

Cover Page

Order ID : Q2651

Project ID : Leon Avenue

Client : Earth Engineering Inc.

Lab Sample Number

Q2651-01
Q2651-02
Q2651-03
Q2651-04
Q2651-05

Client Sample Number

MH 2-1
MH 6-5
MH 7-6
MH 8-7
MH 9-8

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: 7/26/2025



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

CASE NARRATIVE

Earth Engineering Inc.

Project Name: Leon Avenue

Project # N/A

Order ID # Q2651

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

5 Solid samples were received on 07/18/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q2635-01MS} with File ID: BF143180.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%], due to matrix interference.

The MSD {Q2635-01MSD} with File ID: BF143181.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%], Fluoranthene[133%], due to matrix interference.

The RPD were met for all analysis.

The Blank Spike for {PB168929BS} with File ID: BF143212.D met requirements for all compounds except for Pentachlorophenol[61%], is marginally biased low while Butylbenzylphthalate[112%], is failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.



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The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF071725.M) for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these Compounds are passing on Linear Regression.

The Continuous Calibration File ID BF143177.D met the requirements except for Benzaldehyde, is failing high but no positive hit in associate samples therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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 #: Q2651

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: PRATHA PARGHI

Date: 07/26/2025

LAB CHRONICLE

OrderID: Q2651
Client: Earth Engineering Inc.
Contact: Frank Dougherty, LSRP

OrderDate: 7/18/2025 2:29:11 PM
Project: Leon Avenue
Location: O22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2651-01	MH 2-1	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-02	MH 6-5	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-03	MH 7-6	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-04	MH 8-7	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25
Q2651-05	MH 9-8	SOIL	SVOC-TCL BNA -20	8270E	07/17/25	07/21/25	07/21/25	07/18/25



SDG No.: Q2651

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MH 2-1								
Q2651-01	MH 2-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	5-Eicosene, (E)- *	190.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	Benzophenone *	130.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	Butane, 2-methoxy-2-methyl- *	900.000	J	0	0	ug/Kg
Q2651-01	MH 2-1	SOIL	n-Hexadecanoic acid *	290.000	J	0	0	ug/Kg
Total Tics :				1,700.00				
Total Concentration:				1,700.00				
Client ID : MH 6-5								
Q2651-02	MH 6-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	160.000	AB	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Benzophenone *	120.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Butane, 2-methoxy-2-methyl- *	600.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Cycloeicosane *	210.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	n-Hexadecanoic acid *	360.000	J	0	0	ug/Kg
Q2651-02	MH 6-5	SOIL	Octadecanoic acid *	74.600	J	0	0	ug/Kg
Total Tics :				1,524.60				
Total Concentration:				1,524.60				
Client ID : MH 7-6								
Q2651-03	MH 7-6	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Butane, 2-methoxy-2-methyl- *	920.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Cycloeicosane *	270.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	n-Hexadecanoic acid *	470.000	J	0	0	ug/Kg
Q2651-03	MH 7-6	SOIL	Octadecanoic acid *	110.000	J	0	0	ug/Kg
Total Tics :				2,160.00				
Total Concentration:				2,160.00				
Client ID : MH 8-7								
Q2651-04	MH 8-7	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Butane, 2-methoxy-2-methyl- *	860.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Cycloeicosane *	280.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	n-Hexadecanoic acid *	460.000	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Octadecanoic acid *	82.300	J	0	0	ug/Kg
Q2651-04	MH 8-7	SOIL	Supraene *	91.800	J	0	0	ug/Kg
Total Tics :				2,134.10				
Total Concentration:				2,134.10				
Client ID : MH 9-8								

Hit Summary Sheet SW-846

SDG No.: Q2651
Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2651-05	MH 9-8	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	180.000	AB	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	3-Eicosene, (E)- *	220.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Benzophenone *	120.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Butane, 2-methoxy-2-methyl- *	780.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	n-Hexadecanoic acid *	460.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Octadecanoic acid *	100.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Squalene *	230.000	J	0	0	ug/Kg
Q2651-05	MH 9-8	SOIL	Triphenylphosphine oxide *	78.700	J	0	0	ug/Kg
Total Tics :				2,168.70				
Total Concentration:				2,168.70				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q2651

Client: Earth Engineering Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168929BL	PB168929BL	2-Fluorophenol	150	113	76		18	112
		Phenol-d6	150	113	75		15	107
		Nitrobenzene-d5	100	78.2	78		18	107
		2-Fluorobiphenyl	100	73.5	73		20	109
		2,4,6-Tribromophenol	150	131	87		10	116
		Terphenyl-d14	100	80.0	80		10	105
PB168929BS	PB168929BS	2-Fluorophenol	150	106	71		18	112
		Phenol-d6	150	107	72		15	107
		Nitrobenzene-d5	100	77.9	78		18	107
		2-Fluorobiphenyl	100	71.0	71		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	78.7	79		10	105
Q2635-01MS	RT2286MS	2-Fluorophenol	150	84.8	57		18	112
		Phenol-d6	150	88.2	59		15	107
		Nitrobenzene-d5	100	56.5	56		18	107
		2-Fluorobiphenyl	100	52.0	52		20	109
		2,4,6-Tribromophenol	150	92.0	61		10	116
		Terphenyl-d14	100	44.2	44		10	105
Q2635-01MSD	RT2286MSD	2-Fluorophenol	150	83.0	55		18	112
		Phenol-d6	150	86.1	57		15	107
		Nitrobenzene-d5	100	57.7	58		18	107
		2-Fluorobiphenyl	100	52.8	53		20	109
		2,4,6-Tribromophenol	150	86.4	58		10	116
		Terphenyl-d14	100	43.1	43		10	105
Q2651-01	MH 2-1	2-Fluorophenol	150	61.7	41		18	112
		Phenol-d6	150	61.9	41		15	107
		Nitrobenzene-d5	100	41.0	41		18	107
		2-Fluorobiphenyl	100	44.6	45		20	109
		2,4,6-Tribromophenol	150	56.7	38		10	116
		Terphenyl-d14	100	32.0	32		10	105
Q2651-02	MH 6-5	2-Fluorophenol	150	52.0	35		18	112
		Phenol-d6	150	55.3	37		15	107
		Nitrobenzene-d5	100	35.7	36		18	107
		2-Fluorobiphenyl	100	40.5	40		20	109
		2,4,6-Tribromophenol	150	49.9	33		10	116
		Terphenyl-d14	100	30.8	31		10	105
Q2651-03	MH 7-6	2-Fluorophenol	150	75.7	50		18	112
		Phenol-d6	150	76.9	51		15	107
		Nitrobenzene-d5	100	53.1	53		18	107
		2-Fluorobiphenyl	100	58.5	59		20	109
		2,4,6-Tribromophenol	150	75.7	50		10	116
		Terphenyl-d14	100	41.6	42		10	105
Q2651-04	MH 8-7	2-Fluorophenol	150	69.6	46		18	112
		Phenol-d6	150	71.8	48		15	107
		Nitrobenzene-d5	100	46.7	47		18	107
		2-Fluorobiphenyl	100	52.8	53		20	109
		2,4,6-Tribromophenol	150	64.5	43		10	116
		Terphenyl-d14	100	39.4	39		10	105
Q2651-05	MH 9-8	2-Fluorophenol	150	59.2	39		18	112
		Phenol-d6	150	59.0	39		15	107
		Nitrobenzene-d5	100	40.8	41		18	107

Surrogate Summary

SW-846

SDG No.: Q2651

Client: Earth Engineering Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2651-05	MH 9-8	2-Fluorobiphenyl	100	46.4	46		20	109
		2,4,6-Tribromophenol	150	54.2	36		10	116
		Terphenyl-d14	100	35.3	35		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: SW8270E

Client: Earth Engineering Inc.

DataFile: BF143180.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2635-01MS		Client Sample ID: RT2286MS									
Benzaldehyde	1200	0	770	ug/Kg	64				10	171	
Phenol	1200	0	1000	ug/Kg	83				51	122	
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83				54	125	
2-Chlorophenol	1200	0	1000	ug/Kg	83				51	121	
2-Methylphenol	1200	0	1000	ug/Kg	83				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	970	ug/Kg	81				46	119	
Acetophenone	1200	0	970	ug/Kg	81				55	128	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				49	125	
N-Nitroso-di-n-propylamine	1200	0	970	ug/Kg	81				59	119	
Hexachloroethane	1200	0	1000	ug/Kg	83				51	116	
Nitrobenzene	1200	0	1000	ug/Kg	83				47	124	
Isophorone	1200	0	990	ug/Kg	83				49	127	
2-Nitrophenol	1200	0	1100	ug/Kg	92				43	131	
2,4-Dimethylphenol	1200	0	990	ug/Kg	83				63	151	
bis(2-Chloroethoxy)methane	1200	0	970	ug/Kg	81				51	119	
2,4-Dichlorophenol	1200	0	1000	ug/Kg	83				50	122	
Naphthalene	1200	0	1000	ug/Kg	83				51	121	
4-Chloroaniline	1200	0	280	ug/Kg	23				10	100	
Hexachlorobutadiene	1200	0	950	ug/Kg	79				44	126	
Caprolactam	1200	0	1300	ug/Kg	108				51	134	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200	0	1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400	0	1300	ug/Kg	54				10	175	
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83				33	141	
2,4,5-Trichlorophenol	1200	0	1000	ug/Kg	83				38	135	
1,1-Biphenyl	1200	0	990	ug/Kg	83				55	131	
2-Chloronaphthalene	1200	0	980	ug/Kg	82				48	124	
2-Nitroaniline	1200	0	1100	ug/Kg	92				47	134	
Dimethylphthalate	1200	0	1000	ug/Kg	83				54	120	
Acenaphthylene	1200	0	1000	ug/Kg	83				57	125	
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92				48	127	
3-Nitroaniline	1200	0	880	ug/Kg	73				10	112	
Acenaphthene	1200	0	1100	ug/Kg	92				70	121	
2,4-Dinitrophenol	2400	0	2400	ug/Kg	100				10	155	
4-Nitrophenol	2400	0	2300	ug/Kg	96				10	175	
Dibenzofuran	1200	0	1000	ug/Kg	83				52	114	
2,4-Dinitrotoluene	1200	0	1200	ug/Kg	100				41	140	
Diethylphthalate	1200	0	1100	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	1200	0	1000	ug/Kg	83				48	122	
Fluorene	1200	0	1000	ug/Kg	83				53	118	
4-Nitroaniline	1200	0	1100	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	1000	ug/Kg	83				73	118	
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83				65	121	
Hexachlorobenzene	1200	0	990	ug/Kg	83				67	118	
Atrazine	1200	0	1100	ug/Kg	92				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: SW8270E

Client: Earth Engineering Inc.

DataFile: BF143180.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	2100	ug/Kg	88				13	153	
Phenanthrene	1200	0	1300	ug/Kg	108				52	128	
Anthracene	1200	0	1100	ug/Kg	92				62	124	
Carbazole	1200	0	1000	ug/Kg	83				59	119	
Di-n-butylphthalate	1200	0	1100	ug/Kg	92				55	125	
Fluoranthene	1200	0	1500	ug/Kg	125				44	125	
Pyrene	1200	0	1400	ug/Kg	117				37	122	
Butylbenzylphthalate	1200	0	1200	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1200	0	520	ug/Kg	43				15	112	
Benzo(a)anthracene	1200	0	1300	ug/Kg	108				53	119	
Chrysene	1200	0	1300	ug/Kg	108				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92				42	169	
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92				51	156	
Benzo(b)fluoranthene	1200	0	1600	ug/Kg	133	*			52	117	
Benzo(k)fluoranthene	1200	0	1200	ug/Kg	100				57	134	
Benzo(a)pyrene	1200	0	1300	ug/Kg	108				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	840	ug/Kg	70				40	129	
Dibenz(a,h)anthracene	1200	0	730	ug/Kg	61				43	123	
Benzo(g,h,i)perylene	1200	0	850	ug/Kg	71				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	970	ug/Kg	81				52	134	
1,4-Dioxane	1200	0	840	ug/Kg	70				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	1100	ug/Kg	92				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: SW8270E

Client: Earth Engineering Inc.

DataFile: BF143181.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2635-01MSD		Client Sample ID: RT2286MSD									
Benzaldehyde	1200	0	770	ug/Kg	64		0		10	171	20
Phenol	1200	0	1000	ug/Kg	83		0		51	122	20
bis(2-Chloroethyl)ether	1200	0	980	ug/Kg	82		1		54	125	20
2-Chlorophenol	1200	0	990	ug/Kg	83		0		51	121	20
2-Methylphenol	1200	0	1000	ug/Kg	83		0		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	980	ug/Kg	82		1		46	119	20
Acetophenone	1200	0	970	ug/Kg	81		0		55	128	20
3+4-Methylphenols	1200	0	1000	ug/Kg	83		0		49	125	20
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79		3		59	119	20
Hexachloroethane	1200	0	1000	ug/Kg	83		0		51	116	20
Nitrobenzene	1200	0	1000	ug/Kg	83		0		47	124	20
Isophorone	1200	0	1000	ug/Kg	83		0		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83		0		63	151	20
bis(2-Chloroethoxy)methane	1200	0	980	ug/Kg	82		1		51	119	20
2,4-Dichlorophenol	1200	0	1000	ug/Kg	83		0		50	122	20
Naphthalene	1200	0	1000	ug/Kg	83		0		51	121	20
4-Chloroaniline	1200	0	250	ug/Kg	21		9		10	100	20
Hexachlorobutadiene	1200	0	960	ug/Kg	80		1		44	126	20
Caprolactam	1200	0	1200	ug/Kg	100		8		51	134	20
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92		0		57	132	20
2-Methylnaphthalene	1200	0	1000	ug/Kg	83		0		59	123	20
Hexachlorocyclopentadiene	2400	0	1100	ug/Kg	46		16		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		0		33	141	20
2,4,5-Trichlorophenol	1200	0	1000	ug/Kg	83		0		38	135	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		0		55	131	20
2-Chloronaphthalene	1200	0	980	ug/Kg	82		0		48	124	20
2-Nitroaniline	1200	0	1100	ug/Kg	92		0		47	134	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		0		54	120	20
Acenaphthylene	1200	0	1000	ug/Kg	83		0		57	125	20
2,6-Dinitrotoluene	1200	0	1100	ug/Kg	92		0		48	127	20
3-Nitroaniline	1200	0	790	ug/Kg	66		10		10	112	20
Acenaphthene	1200	0	1100	ug/Kg	92		0		70	121	20
2,4-Dinitrophenol	2400	0	2000	ug/Kg	83		19		10	155	20
4-Nitrophenol	2400	0	2100	ug/Kg	88		9		10	175	20
Dibenzofuran	1200	0	1000	ug/Kg	83		0		52	114	20
2,4-Dinitrotoluene	1200	0	1200	ug/Kg	100		0		41	140	20
Diethylphthalate	1200	0	1100	ug/Kg	92		0		51	119	20
4-Chlorophenyl-phenylether	1200	0	990	ug/Kg	83		0		48	122	20
Fluorene	1200	0	1000	ug/Kg	83		0		53	118	20
4-Nitroaniline	1200	0	970	ug/Kg	81		13		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1000	ug/Kg	83		10		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		10		73	118	20
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83		0		65	121	20
Hexachlorobenzene	1200	0	990	ug/Kg	83		0		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		0		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: SW8270E

Client: Earth Engineering Inc.

DataFile: BF143181.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		6		13	153	20
Phenanthrene	1200	0	1300	ug/Kg	108		0		52	128	20
Anthracene	1200	0	1100	ug/Kg	92		0		62	124	20
Carbazole	1200	0	1000	ug/Kg	83		0		59	119	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100		8		55	125	20
Fluoranthene	1200	0	1600	ug/Kg	133	*	6		44	125	20
Pyrene	1200	0	1300	ug/Kg	108		8		37	122	20
Butylbenzylphthalate	1200	0	1200	ug/Kg	100		0		44	135	20
3,3-Dichlorobenzidine	1200	0	530	ug/Kg	44		2		15	112	20
Benzo(a)anthracene	1200	0	1300	ug/Kg	108		0		53	119	20
Chrysene	1200	0	1300	ug/Kg	108		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92		0		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		0		51	156	20
Benzo(b)fluoranthene	1200	0	1600	ug/Kg	133	*	0		52	117	20
Benzo(k)fluoranthene	1200	0	1300	ug/Kg	108		8		57	134	20
Benzo(a)pyrene	1200	0	1300	ug/Kg	108		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	810	ug/Kg	68		3		40	129	20
Dibenz(a,h)anthracene	1200	0	710	ug/Kg	59		3		43	123	20
Benzo(g,h,i)perylene	1200	0	830	ug/Kg	69		3		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	980	ug/Kg	82		1		52	134	20
1,4-Dioxane	1200	0	820	ug/Kg	68		3		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83		10		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method:

8270E

Client: Earth Engineering Inc.

DataFile:

BF143212.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168929BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	600	ug/Kg	35				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3500	ug/Kg	106				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2651

Analytical Method: 8270E

Client: Earth Engineering Inc.

DataFile: BF143212.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB168929BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2000	ug/Kg	61		*		67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	760	ug/Kg	45				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168929BL

Lab Name: Alliance

Contract: EARTH03

Lab Code: ACE

SDG NO.: Q2651

Lab File ID: BF143178.D

Lab Sample ID: PB168929BL

Instrument ID: BNA_F

Date Extracted: 07/21/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/22/2025

Level: (low/med) LOW

Time Analyzed: 09:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT2286MS	Q2635-01MS	BF143180.D	07/22/2025
RT2286MSD	Q2635-01MSD	BF143181.D	07/22/2025
PB168929BS	PB168929BS	BF143212.D	07/23/2025
MH 2-1	Q2651-01	BF143171.D	07/21/2025
MH 6-5	Q2651-02	BF143172.D	07/21/2025
MH 7-6	Q2651-03	BF143173.D	07/21/2025
MH 8-7	Q2651-04	BF143174.D	07/21/2025
MH 9-8	Q2651-05	BF143175.D	07/21/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143138.D
Instrument ID: BNA_F

Contract: EARTH03
SDG NO.: Q2651
DFTPP Injection Date: 07/17/2025
DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
365	Greater than 1% of mass 198	2.9
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	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143167.D
Instrument ID: BNA_F

Contract: EARTH03
SDG NO.: Q2651
DFTPP Injection Date: 07/21/2025
DFTPP Injection Time: 12:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	30
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
365	Greater than 1% of mass 198	2.8
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	BF143168.D	07/21/2025	13:26
MH 2-1	Q2651-01	BF143171.D	07/21/2025	15:00
MH 6-5	Q2651-02	BF143172.D	07/21/2025	15:29
MH 7-6	Q2651-03	BF143173.D	07/21/2025	15:58
MH 8-7	Q2651-04	BF143174.D	07/21/2025	16:28
MH 9-8	Q2651-05	BF143175.D	07/21/2025	16:58



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143176.D
Instrument ID: BNA_F

Contract: EARTH03
SDG NO.: Q2651
DFTPP Injection Date: 07/22/2025
DFTPP Injection Time: 07:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	26
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.5
365	Greater than 1% of mass 198	2.8
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	18.9 (18.9) 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	BF143177.D	07/22/2025	08:46
PB168929BL	PB168929BL	BF143178.D	07/22/2025	09:15
RT2286MS	Q2635-01MS	BF143180.D	07/22/2025	10:26
RT2286MSD	Q2635-01MSD	BF143181.D	07/22/2025	10:55



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143209.D
Instrument ID: BNA_F

Contract: EARTH03
SDG NO.: Q2651
DFTPP Injection Date: 07/23/2025
DFTPP Injection Time: 13:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.1
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	BF143210.D	07/23/2025	14:33
PB168929BS	PB168929BS	BF143212.D	07/23/2025	15:31

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID : SSTDCCC040

Date Analyzed: 07/21/2025

Lab File ID: BF143168.D

Time Analyzed: 13:26

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	129313	6.963	471327	8.25	224541	10.00
UPPER LIMIT	258626	7.463	942654	8.745	449082	10.498
LOWER LIMIT	64656.5	6.463	235664	7.745	112271	9.498
EPA SAMPLE NO.						
01 MH 2-1	127351	6.96	470127	8.24	227330	10.00
02 MH 6-5	136248	6.96	503155	8.24	241899	10.00
03 MH 7-6	124836	6.96	446383	8.24	207481	10.00
04 MH 8-7	141875	6.96	527265	8.24	244037	10.00
05 MH 9-8	134165	6.96	475638	8.24	208826	10.00

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: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID: SSTDCCC040

Date Analyzed: 07/21/2025

Lab File ID: BF143168.D

Time Analyzed: 13:26

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	352118	11.481	287236	14.122	333940	15.621
	UPPER LIMIT	704236	11.981	574472	14.622	667880	16.121
	LOWER LIMIT	176059	10.981	143618	13.622	166970	15.121
	EPA SAMPLE NO.						
01	MH 2-1	319814	11.48	263132	14.12	208785	15.62
02	MH 6-5	333011	11.48	275833	14.12	194420	15.63
03	MH 7-6	301114	11.48	276030	14.12	199935	15.63
04	MH 8-7	323422	11.48	273124	14.12	185637	15.62
05	MH 9-8	294164	11.48	252469	14.12	168445	15.63

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: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID : SSTDCCC040

Date Analyzed: 07/22/2025

Lab File ID: BF143177.D

Time Analyzed: 08:46

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	137586	6.963	540273	8.25	287067	10.00
UPPER LIMIT	275172	7.463	1080550	8.745	574134	10.504
LOWER LIMIT	68793	6.463	270137	7.745	143534	9.504
EPA SAMPLE NO.						
01 PB168929BL	144783	6.96	553185	8.24	297105	10.00
02 RT2286MS	122637	6.96	483164	8.25	258898	10.00
03 RT2286MSD	136589	6.96	529762	8.25	274462	10.00

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: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID: SSTDCCC040

Date Analyzed: 07/22/2025

Lab File ID: BF143177.D

Time Analyzed: 08:46

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	481775	11.486	251217	14.127	256275	15.633
UPPER LIMIT	963550	11.986	502434	14.627	512550	16.133
LOWER LIMIT	240888	10.986	125609	13.627	128138	15.133
EPA SAMPLE NO.						
01 PB168929BL	537789	11.49	319412	14.12	277367	15.63
02 RT2286MS	420723	11.49	277520	14.13	250625	15.63
03 RT2286MSD	414650	11.49	276295	14.13	228694	15.64

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: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID : SSTDCCC040

Date Analyzed: 07/23/2025

Lab File ID: BF143210.D

Time Analyzed: 14:33

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	97351	6.963	364498	8.25	187438	10.00
UPPER LIMIT	194702	7.463	728996	8.745	374876	10.498
LOWER LIMIT	48675.5	6.463	182249	7.745	93719	9.498
EPA SAMPLE NO.						
01 PB168929BS	127346	6.96	497233	8.25	269042	10.00

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: Alliance

Lab Code: ACE

SDG NO.: Q2651

Client ID: SSTDCCC040

Date Analyzed: 07/23/2025

Lab File ID: BF143210.D

Time Analyzed: 14:33

Instrument ID: BNA_F

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	309922	11.486	228057	14.121	245226	15.627
UPPER LIMIT	619844	11.986	456114	14.621	490452	16.127
LOWER LIMIT	154961	10.986	114029	13.621	122613	15.127
EPA SAMPLE NO.						
PB168929BS	457175	11.49	257414	14.13	259291	15.63

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:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.3	U	23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.7	U	25.7	180	ug/Kg
95-57-8	2-Chlorophenol	25.8	U	25.8	180	ug/Kg
95-48-7	2-Methylphenol	31.6	U	31.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.6	U	39.6	180	ug/Kg
98-86-2	Acetophenone	31.2	U	31.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.4	U	43.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.1	U	50.1	84.5	ug/Kg
67-72-1	Hexachloroethane	18.6	U	18.6	180	ug/Kg
98-95-3	Nitrobenzene	19.3	U	19.3	180	ug/Kg
78-59-1	Isophorone	34.7	U	34.7	180	ug/Kg
88-75-5	2-Nitrophenol	61.5	U	61.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.5	U	68.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.5	U	32.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.9	U	29.9	180	ug/Kg
91-20-3	Naphthalene	24.0	U	24.0	180	ug/Kg
106-47-8	4-Chloroaniline	37.4	U	37.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.7	U	26.7	180	ug/Kg
105-60-2	Caprolactam	55.0	U	55.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.3	U	30.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.0	U	27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.9	U	20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.7	U	30.7	180	ug/Kg
92-52-4	1,1-Biphenyl	23.0	U	23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.8	U	23.8	180	ug/Kg
88-74-4	2-Nitroaniline	50.8	U	50.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.6	U	28.6	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.5	U	30.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.5	U	35.5	180	ug/Kg
99-09-2	3-Nitroaniline	48.6	U	48.6	180	ug/Kg
83-32-9	Acenaphthene	22.5	U	22.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.0	U	24.0	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.9	U	52.9	180	ug/Kg
84-66-2	Diethylphthalate	29.9	U	29.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.2	U	28.2	180	ug/Kg
86-73-7	Fluorene	26.7	U	26.7	180	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.8	U	34.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.4	U	29.4	180	ug/Kg
118-74-1	Hexachlorobenzene	26.7	U	26.7	180	ug/Kg
1912-24-9	Atrazine	35.9	U	35.9	180	ug/Kg
87-86-5	Pentachlorophenol	54.2	UQ	54.2	350	ug/Kg
85-01-8	Phenanthrene	22.1	U	22.1	180	ug/Kg
120-12-7	Anthracene	35.2	U	35.2	180	ug/Kg
86-74-8	Carbazole	33.0	U	33.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	180	ug/Kg
206-44-0	Fluoranthene	31.7	U	31.7	180	ug/Kg
129-00-0	Pyrene	38.0	U	38.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.4	UQ	75.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.8	U	38.8	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.3	U	24.3	180	ug/Kg
218-01-9	Chrysene	21.0	U	21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.5	U	62.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.7	U	91.7	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.1	U	20.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.7	U	23.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.2	U	31.2	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.7	U	30.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.9	U	28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.2	U	27.2	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.0	U	27.0	180	ug/Kg
123-91-1	1,4-Dioxane	47.8	U	47.8	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.9	U	28.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	61.7		18 - 112	41%	SPK: 150
13127-88-3	Phenol-d6	61.9		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.0		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.6		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.7		10 - 116	38%	SPK: 150
1718-51-0	Terphenyl-d14	32.0		10 - 105	32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	127000	6.963			
1146-65-2	Naphthalene-d8	470000	8.239			
15067-26-2	Acenaphthene-d10	227000	9.998			
1517-22-2	Phenanthrene-d10	320000	11.48			
1719-03-5	Chrysene-d12	263000	14.116			
1520-96-3	Perylene-d12	209000	15.621			

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	900	J		2.30	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.19	ug/Kg
000119-61-9	Benzophenone	130	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J		12.0	ug/Kg
074685-30-6	5-Eicosene, (E)-	190	J		14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 2-1	SDG No.:	Q2651
Lab Sample ID:	Q2651-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.5
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
BF143171.D	1	07/21/25 09:30	07/21/25 15:00	PB168929

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\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

Quant Time: Jul 21 15:37:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127351	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	470127	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	227330	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	319814	20.000	ng	0.00
76) Chrysene-d12	14.116	240	263132	20.000	ng	0.00
86) Perylene-d12	15.621	264	208785	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	496893	61.744	ng	0.00
7) Phenol-d6	6.575	99	627404	61.939	ng	-0.01
23) Nitrobenzene-d5	7.516	82	386546	40.985	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	133163	56.703	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	741303	44.597	ng	0.00
79) Terphenyl-d14	13.063	244	565237	31.966	ng	0.00

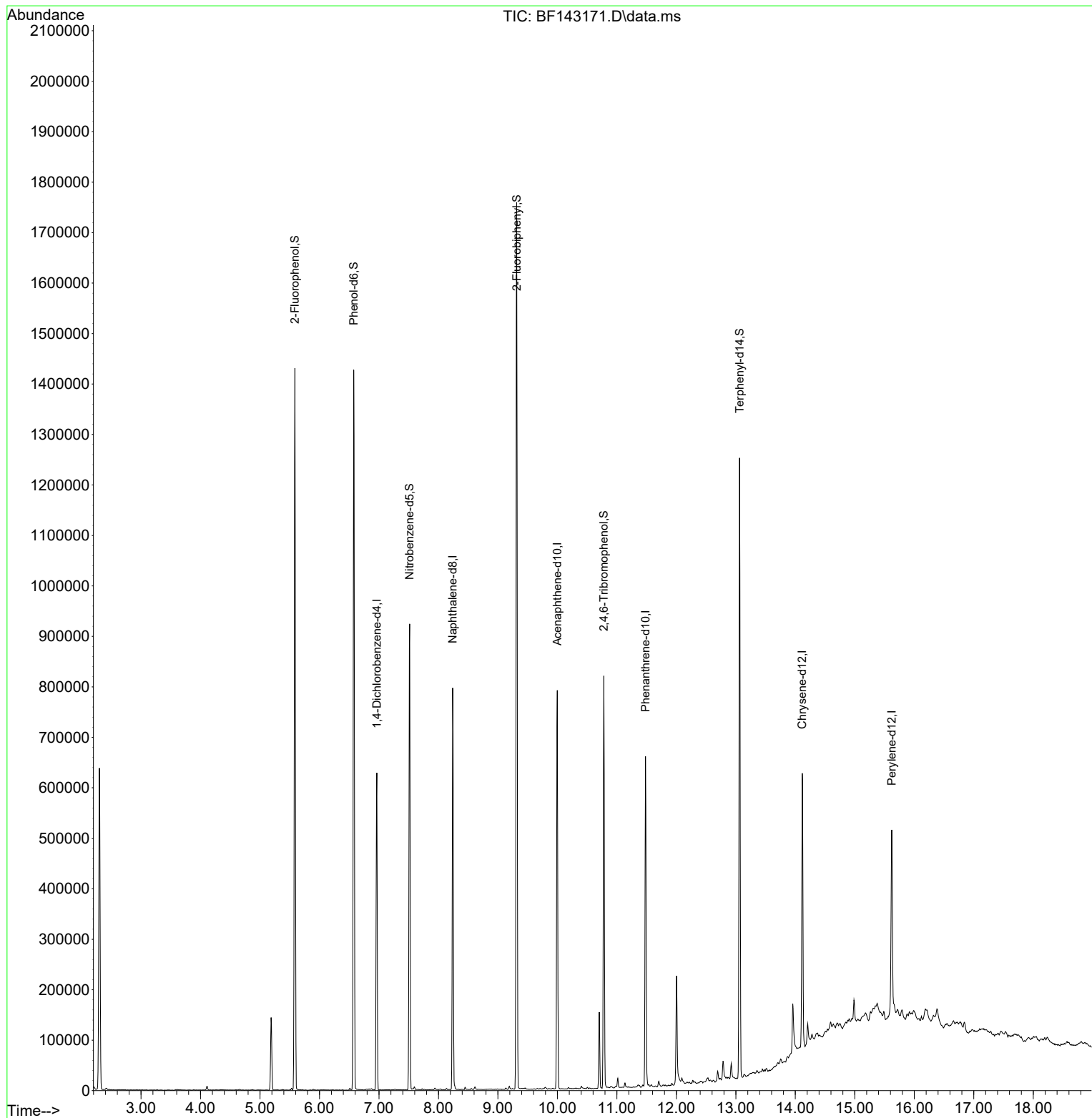
Target Compounds	Qvalue

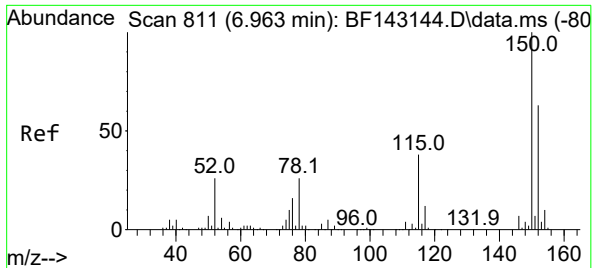
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

Quant Time: Jul 21 15:37:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

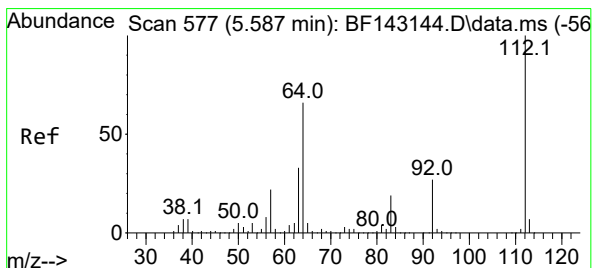
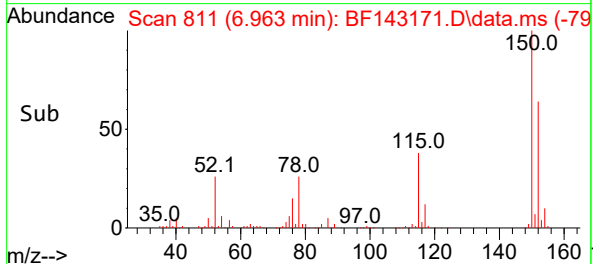
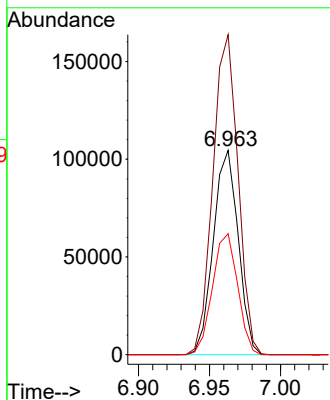
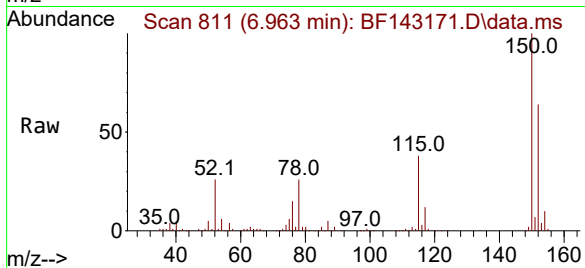




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

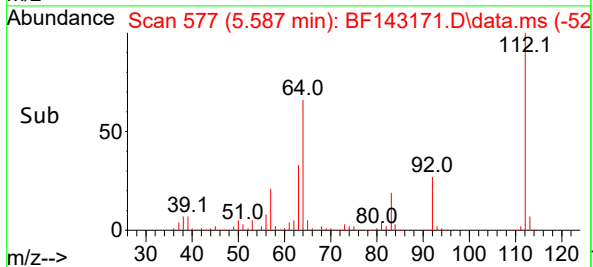
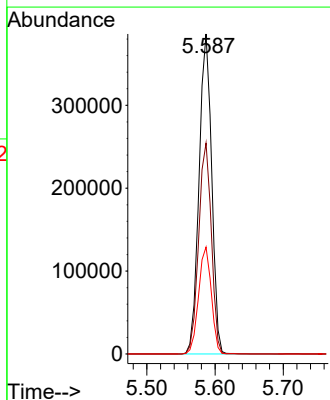
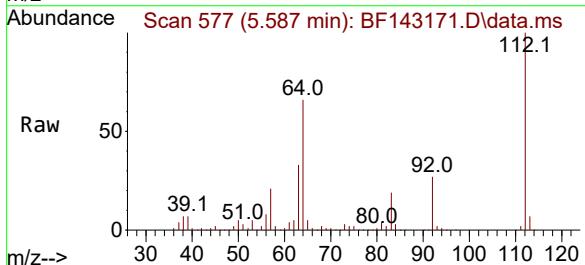
Instrument :
BNA_F
ClientSampleId :
MH 2-1

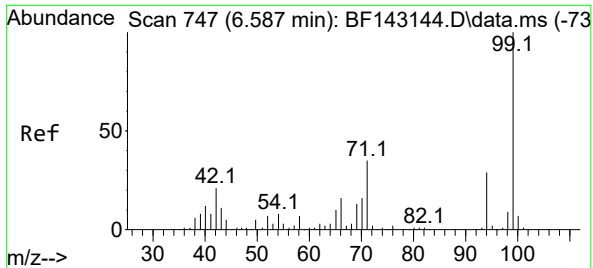
Tgt Ion:152 Resp: 127351
Ion Ratio Lower Upper
152 100
150 156.6 128.2 192.4
115 59.2 47.9 71.9



#5
2-Fluorophenol
Concen: 61.744 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion:112 Resp: 496893
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 33.4 26.6 40.0

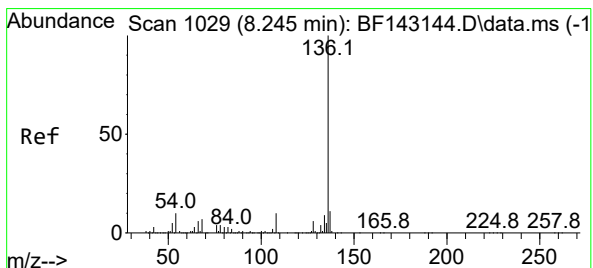
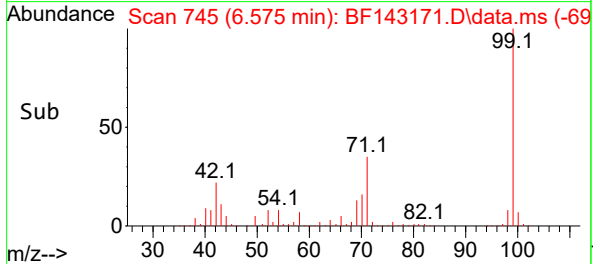
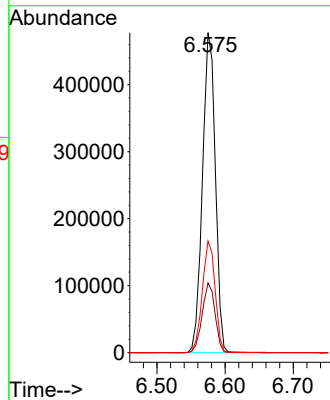
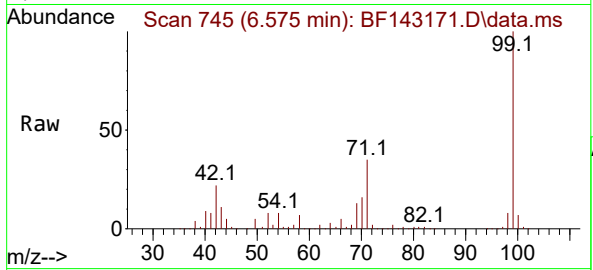




#7
Phenol-d6
Concen: 61.939 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

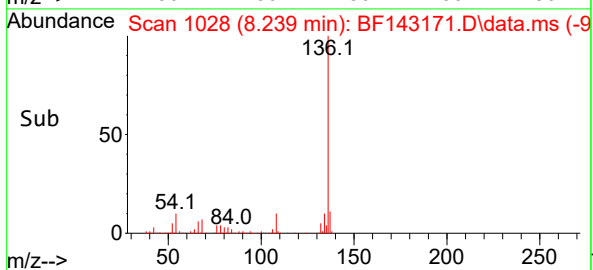
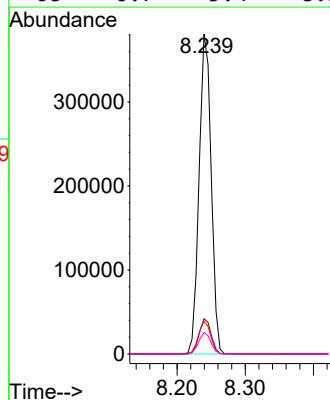
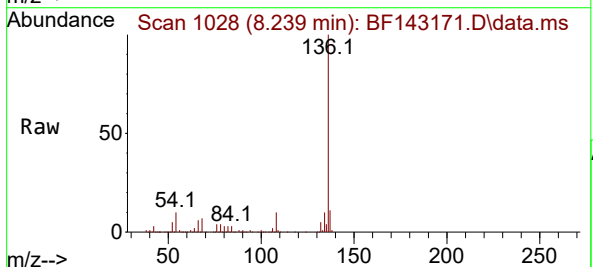
Instrument :
BNA_F
ClientSampleId :
MH 2-1

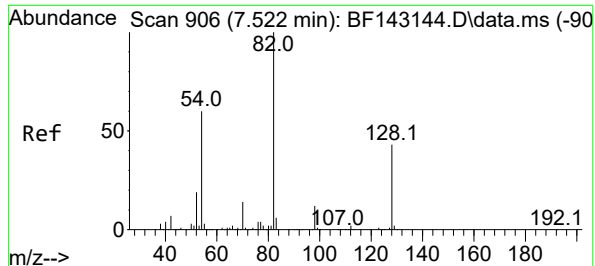
Tgt Ion: 99 Resp: 627404
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 34.9 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion: 136 Resp: 470127
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 40.985 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

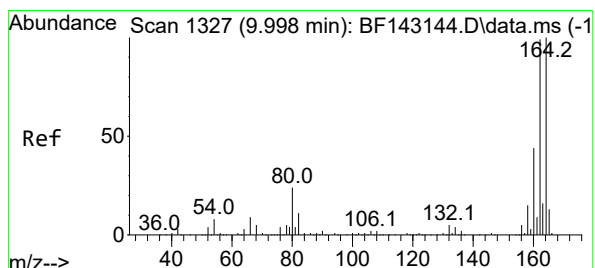
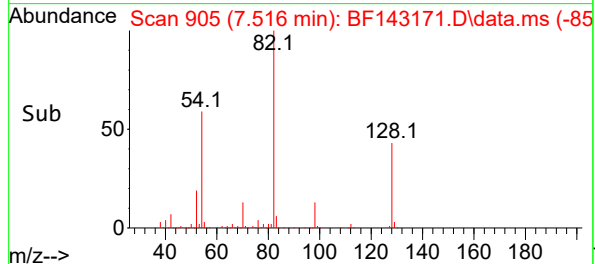
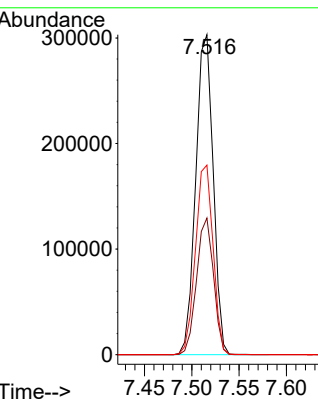
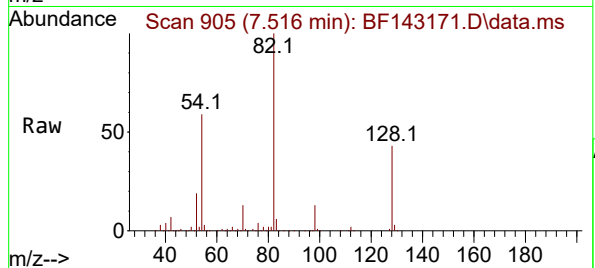
Tgt Ion: 82 Resp: 386546

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 59.3 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

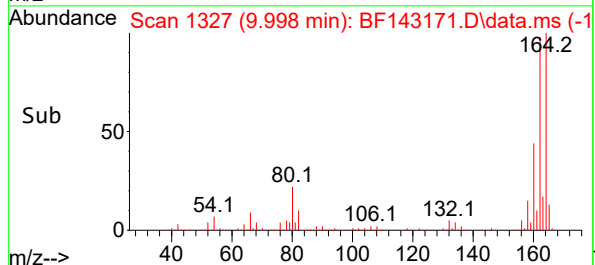
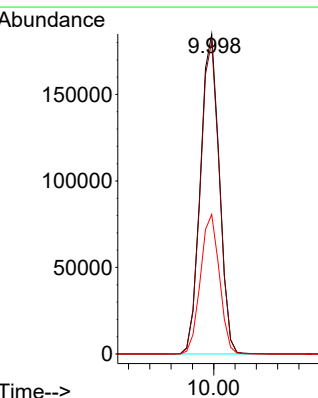
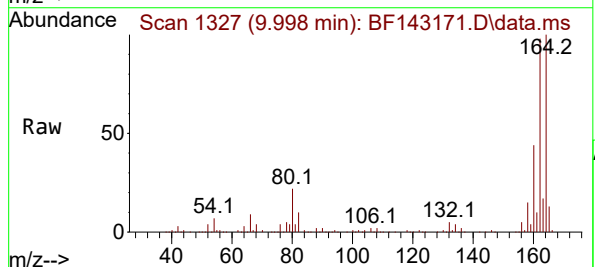
Tgt Ion: 164 Resp: 227330

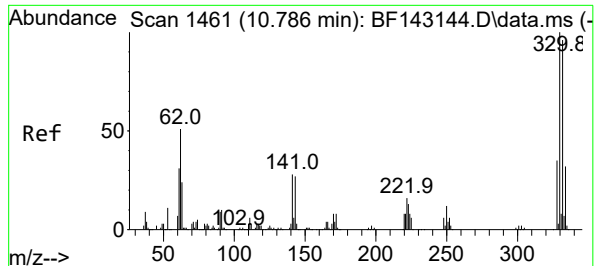
Ion Ratio Lower Upper

164 100

162 97.8 79.0 118.6

160 43.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 56.703 ng

RT: 10.780 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

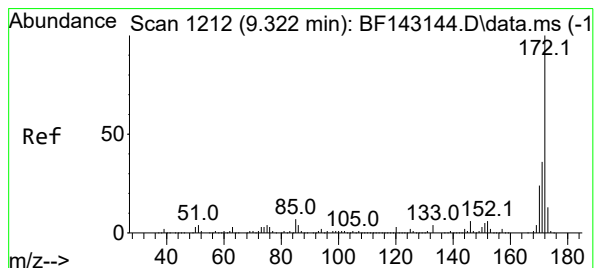
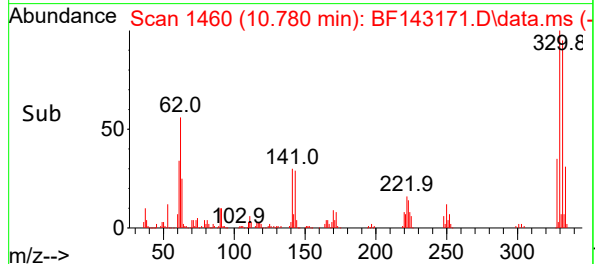
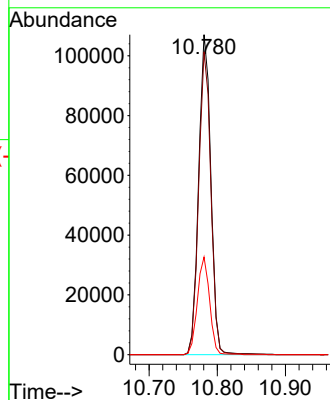
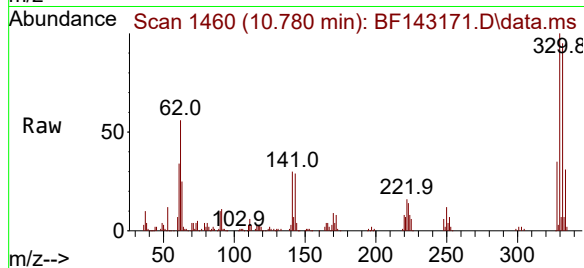
Tgt Ion:330 Resp: 133163

Ion Ratio Lower Upper

330 100

332 94.5 76.7 115.1

141 30.5 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 44.597 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

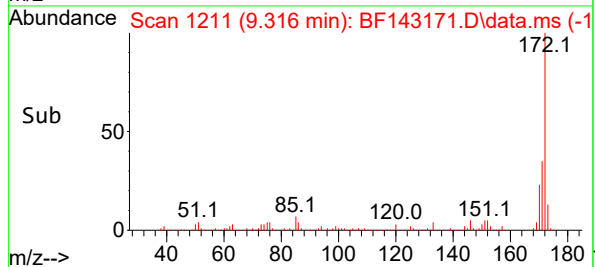
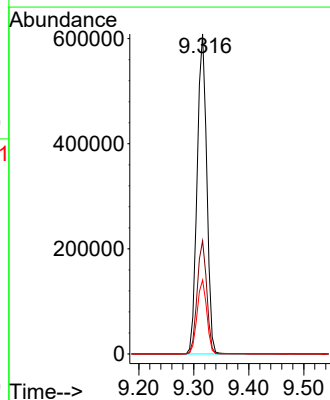
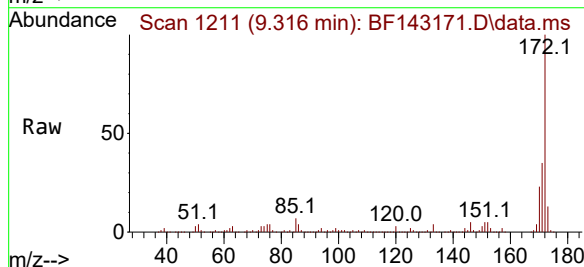
Tgt Ion:172 Resp: 741303

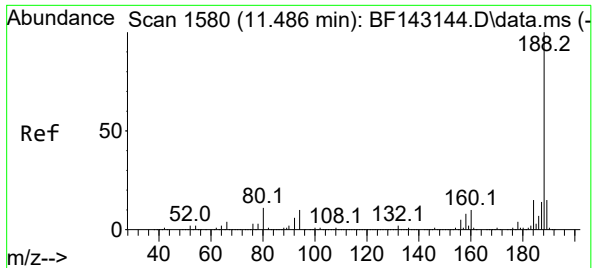
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.1 18.8 28.2

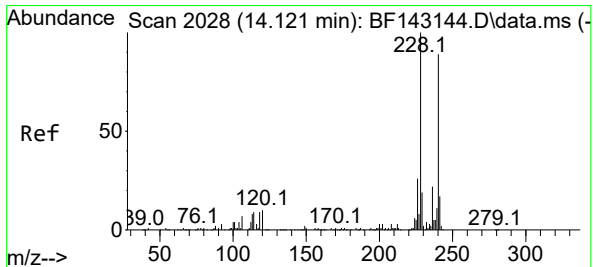
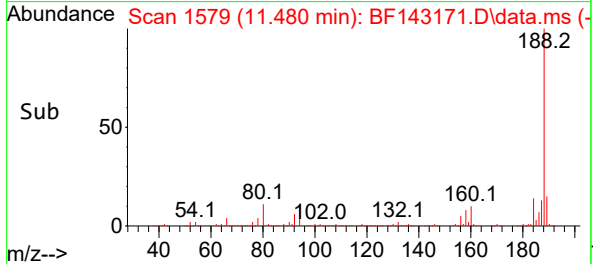
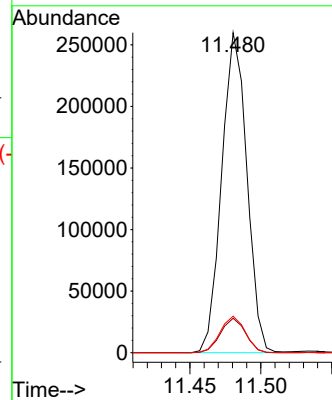
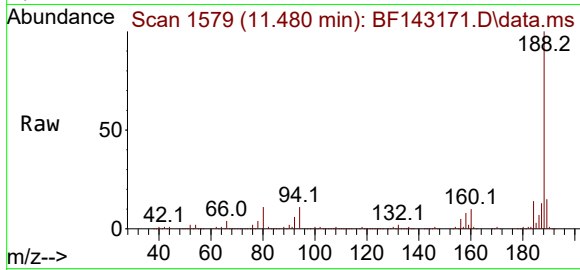




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

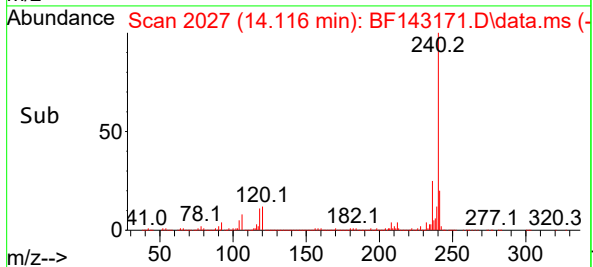
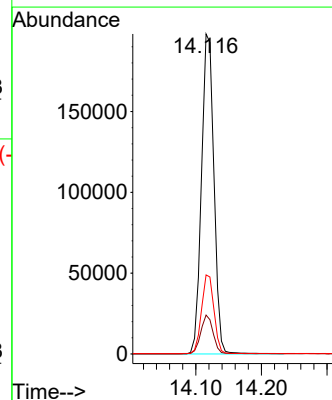
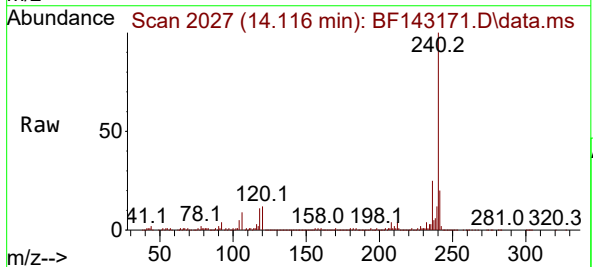
Instrument :
BNA_F
ClientSampleId :
MH 2-1

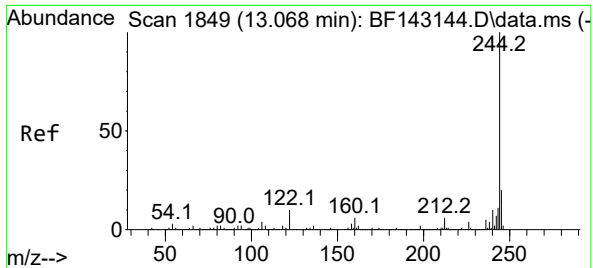
Tgt Ion:188 Resp: 319814
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.4 9.0 13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143171.D
Acq: 21 Jul 2025 15:00

Tgt Ion:240 Resp: 263132
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 24.7 20.2 30.4





#79

Terphenyl-d14

Concen: 31.966 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

Instrument :

BNA_F

ClientSampleId :

MH 2-1

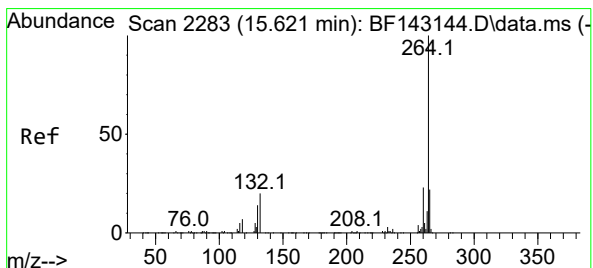
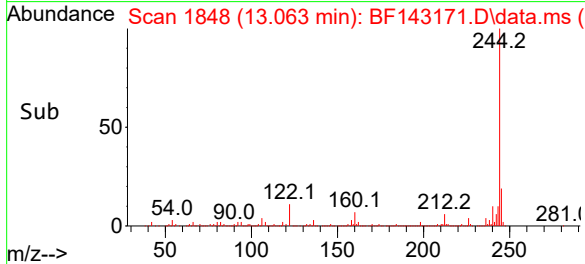
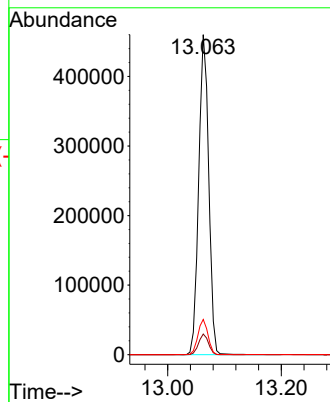
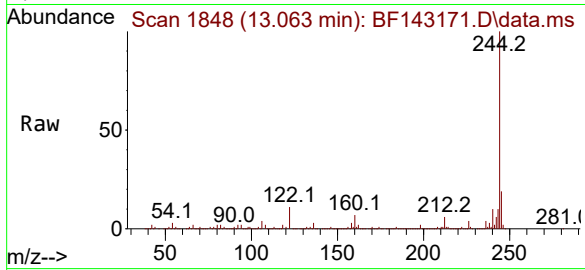
Tgt Ion:244 Resp: 565237

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143171.D

Acq: 21 Jul 2025 15:00

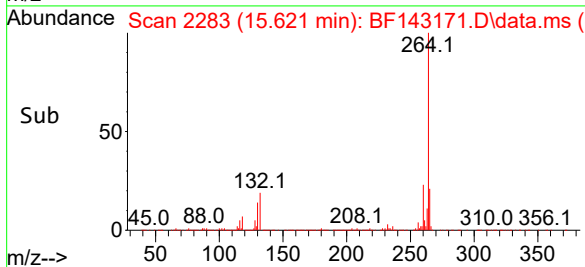
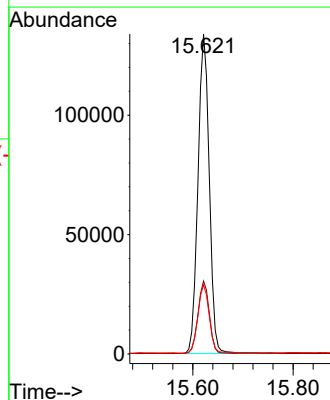
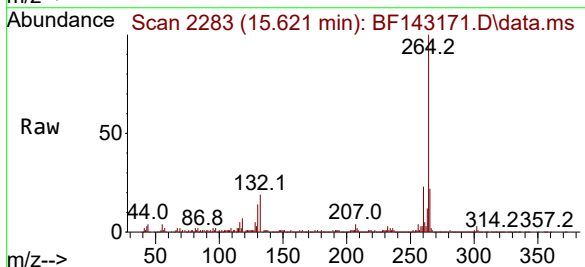
Tgt Ion:264 Resp: 208785

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.6 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143171.D
 Acq On : 21 Jul 2025 15:00
 Operator : RC/JU
 Sample : Q2651-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 2-1

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143171.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	11	18	29	rVB	636911	996989	46.45%	6.014%
2	5.187	502	509	516	rBV	143949	205273	9.56%	1.238%
3	5.587	571	577	582	rBV	1430381	1849338	86.15%	11.156%
4	6.575	739	745	750	rBV	1426710	1873745	87.29%	11.303%
5	6.963	805	811	816	rVB	627974	777473	36.22%	4.690%
6	7.516	899	905	910	rBV	922924	1181065	55.02%	7.125%
7	8.239	1023	1028	1033	rBV	795760	984286	45.85%	5.938%
8	9.316	1205	1211	1216	rBV	1756446	2146546	100.00%	12.949%
9	9.998	1321	1327	1332	rBV	789234	977316	45.53%	5.896%
10	10.704	1442	1447	1452	rBV	151294	181591	8.46%	1.095%
11	10.780	1455	1460	1469	rBV	816909	1016524	47.36%	6.132%
12	11.016	1496	1500	1505	rVB	18004	22010	1.03%	0.133%
13	11.480	1574	1579	1587	rBV	653207	824779	38.42%	4.975%
14	12.004	1661	1668	1679	rBV	216126	334268	15.57%	2.016%
15	12.092	1680	1683	1691	rVB2	11304	22342	1.04%	0.135%
16	12.692	1781	1785	1790	rBV	19705	30171	1.41%	0.182%
17	12.786	1796	1801	1809	rBV	37635	62383	2.91%	0.376%
18	12.921	1820	1824	1837	rVB	29558	45544	2.12%	0.275%
19	13.063	1843	1848	1853	rBV	1227951	1512103	70.44%	9.122%
20	13.957	1996	2000	2012	rBV2	97648	195243	9.10%	1.178%
21	14.116	2022	2027	2035	rBV	542581	736386	34.31%	4.442%
22	14.210	2039	2043	2049	rBV	39130	65277	3.04%	0.394%
23	15.621	2278	2283	2289	rBV	350306	536388	24.99%	3.236%

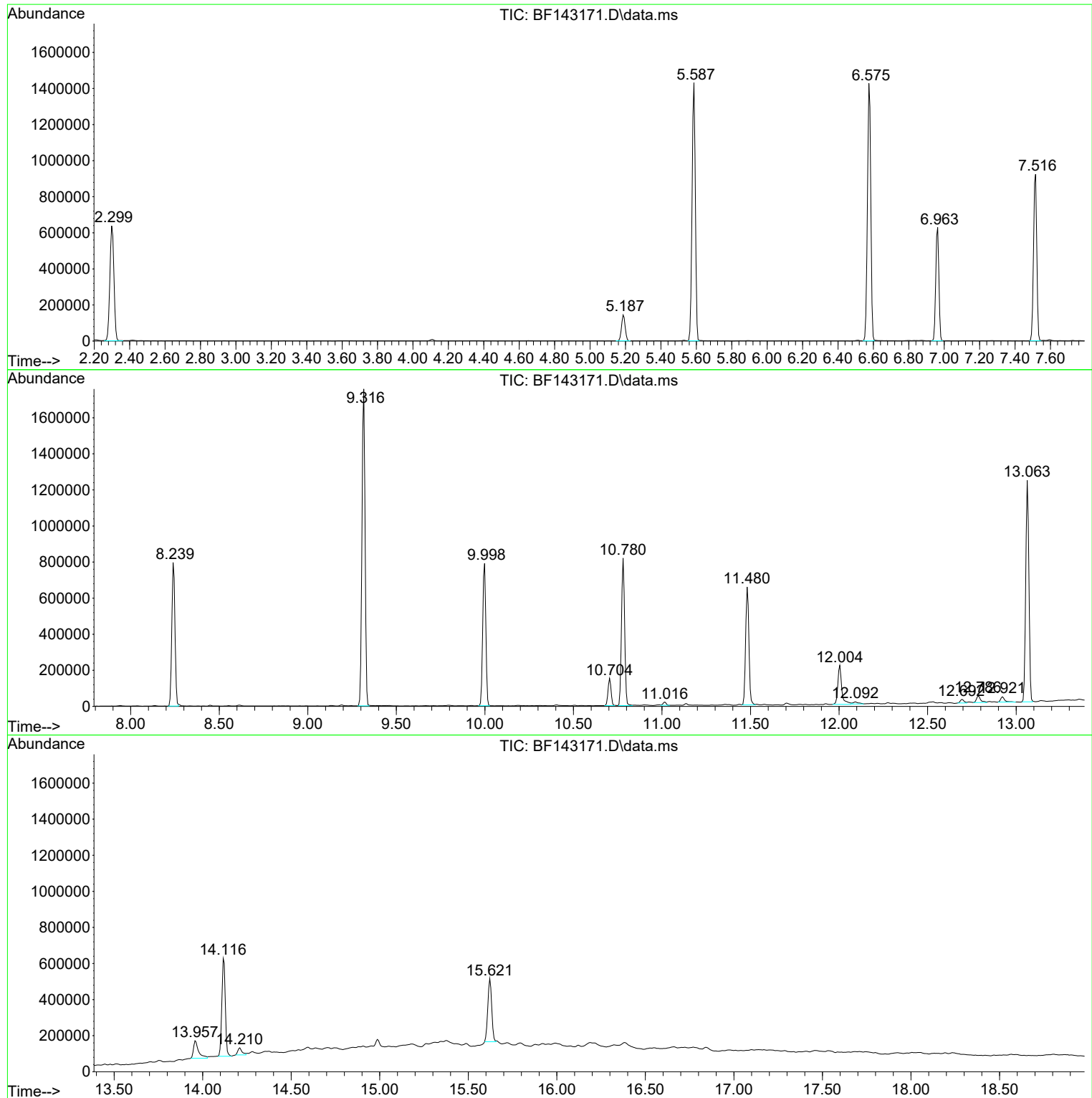
Sum of corrected areas: 16577040

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

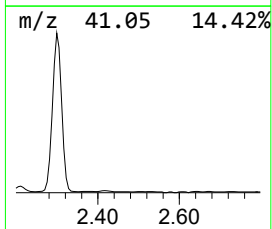
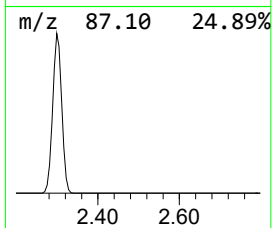
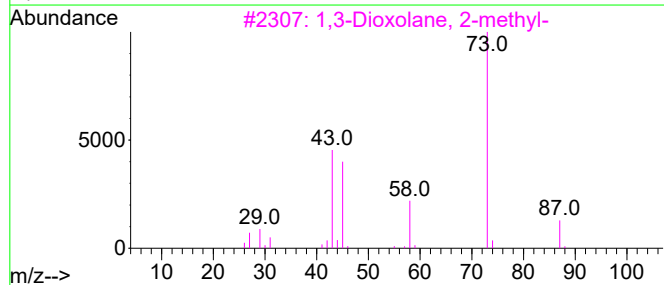
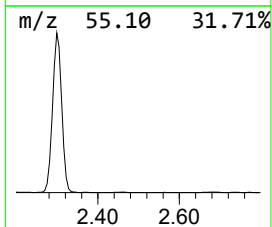
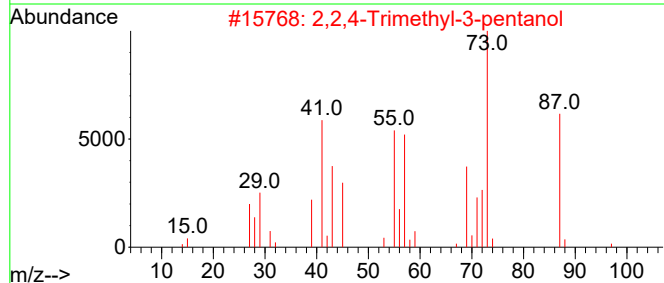
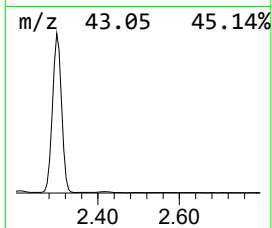
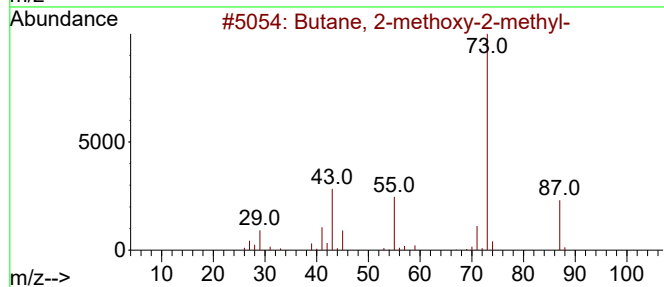
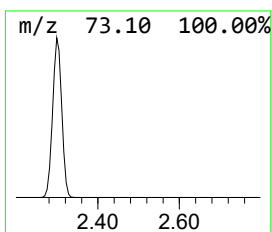
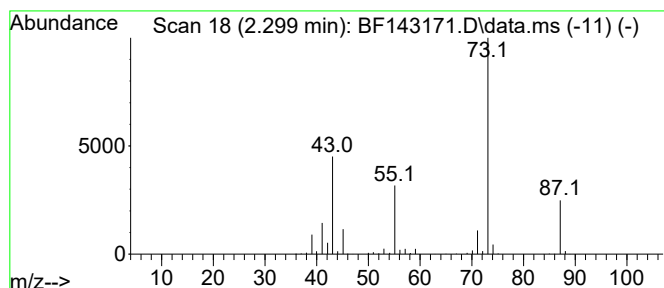
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.299	25.65 ng	996989	1,4-Dichlorobenzene-d4	6.963

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	37
4			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

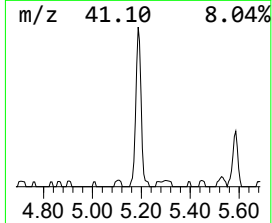
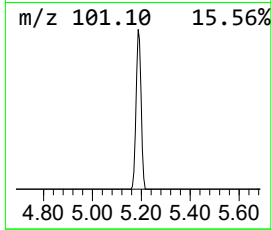
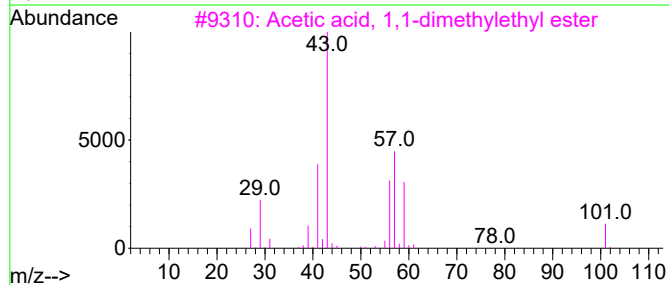
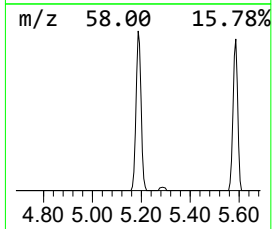
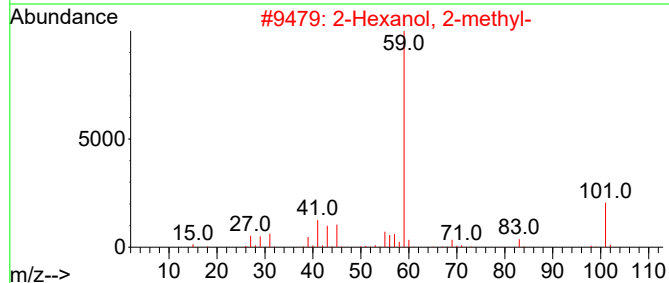
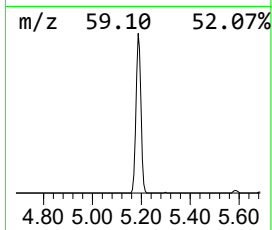
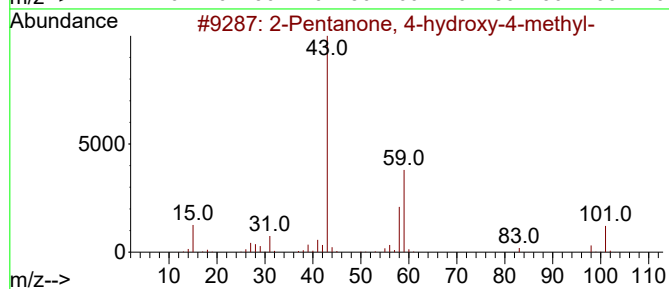
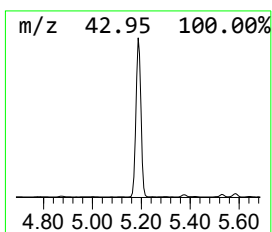
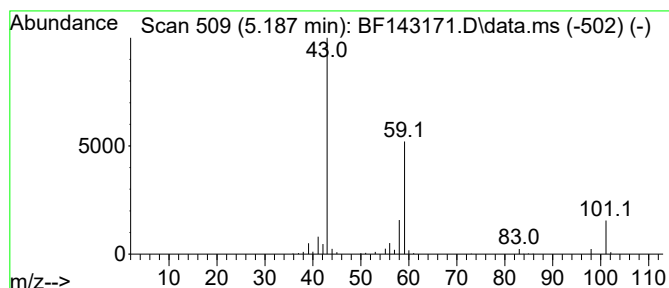
Instrument :
BNA_F
ClientSampleId :
MH 2-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.187	5.28 ng	205273	1,4-Dichlorobenzene-d4	6.963	
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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
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\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

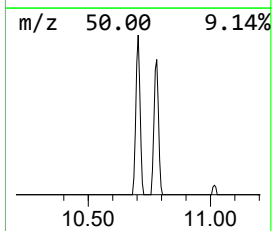
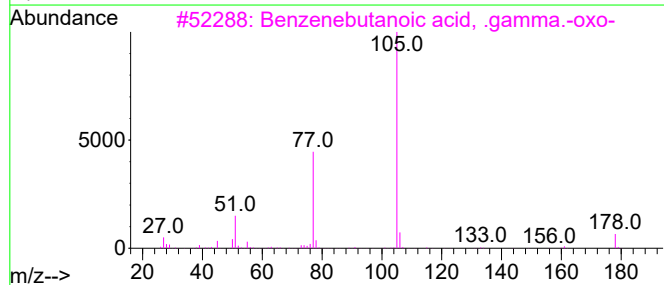
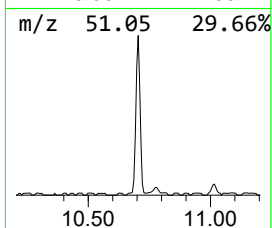
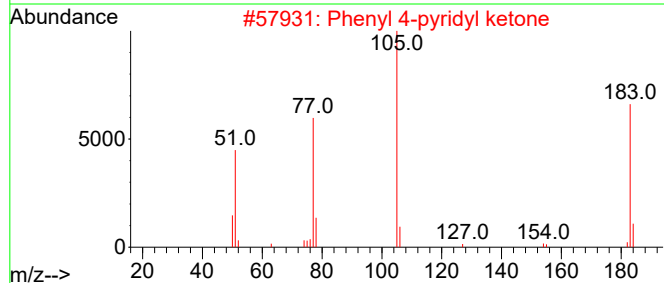
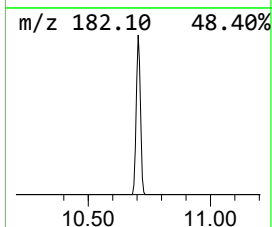
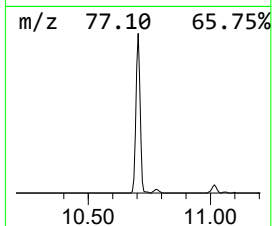
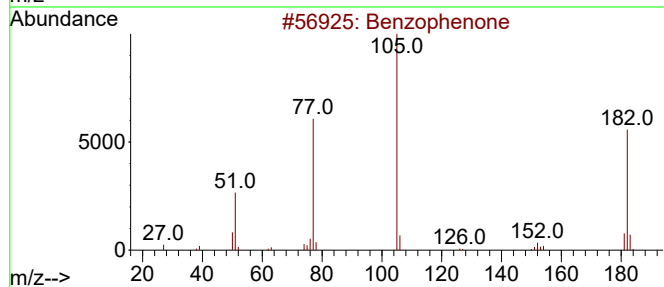
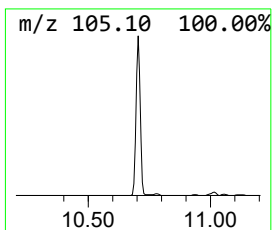
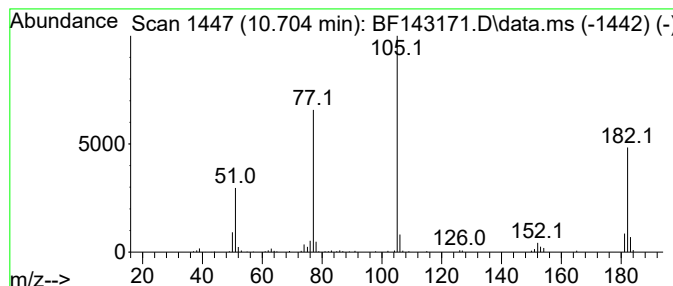
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.72 ng	181591	Acenaphthene-d10	9.998

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	58
3			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50
4			Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

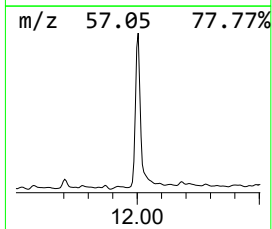
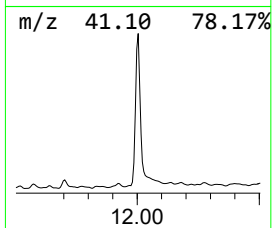
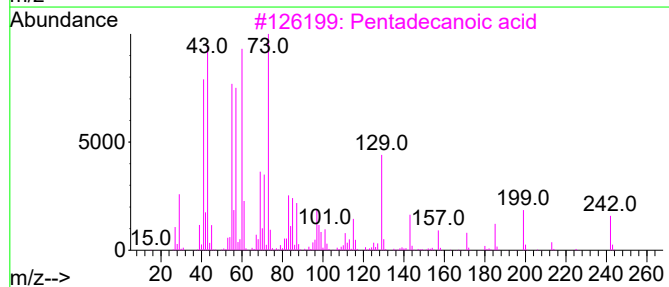
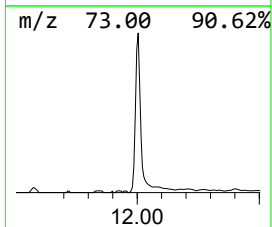
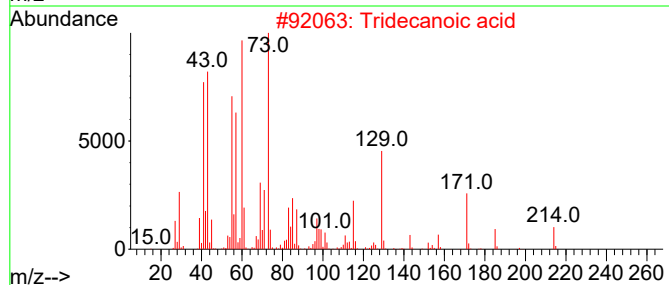
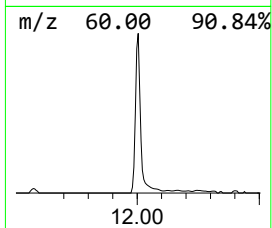
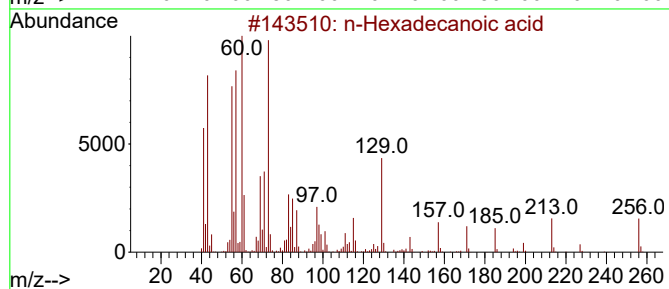
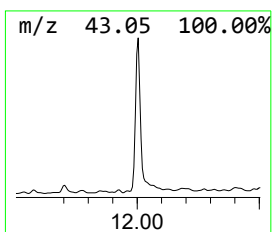
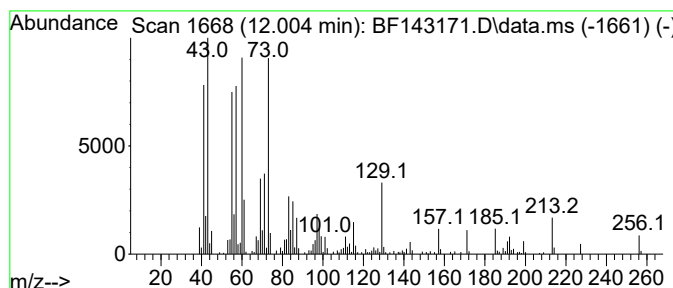
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	8.11 ng	334268	Phenanthrene-d10	11.480

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	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

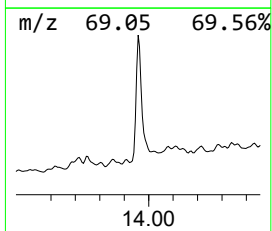
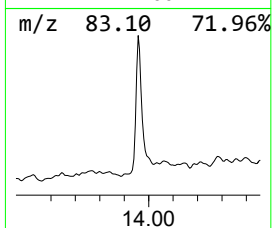
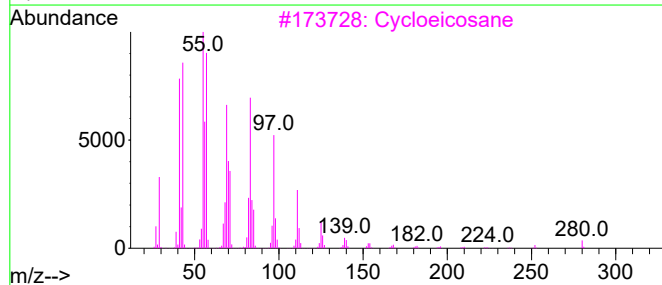
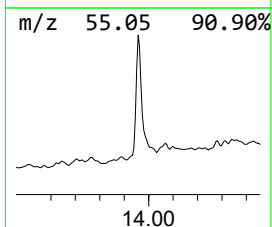
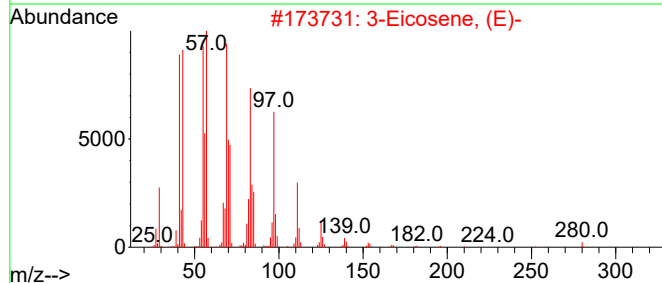
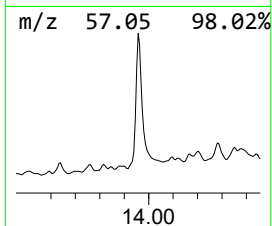
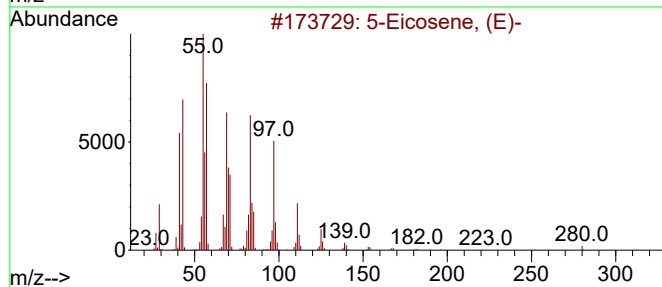
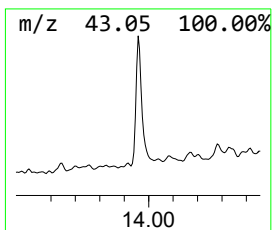
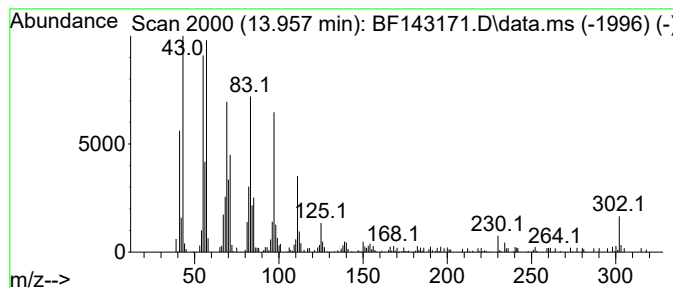
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.957	5.30 ng	195243	Chrysene-d12	14.116

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2			3-Eicosene, (E)-	280	C20H40	074685-33-9	99
3			Cycloeicosane	280	C20H40	000296-56-0	93
4			1-Octadecene	252	C18H36	000112-88-9	93
5			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143171.D
Acq On : 21 Jul 2025 15:00
Operator : RC/JU
Sample : Q2651-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 2-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.299	25.6	ng	996989	1	6.963	777473	20.0
2-Pentanone, 4-...	5.187	5.3	ng	205273	1	6.963	777473	20.0
Benzophenone	10.704	3.7	ng	181591	3	9.998	977316	20.0
n-Hexadecanoic ...	12.004	8.1	ng	334268	4	11.480	824779	20.0
5-Eicosene, (E)-	13.957	5.3	ng	195243	5	14.116	736386	20.0

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.6	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.9	U	25.9	180	ug/Kg
95-57-8	2-Chlorophenol	26.0	U	26.0	180	ug/Kg
95-48-7	2-Methylphenol	31.9	U	31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.0	U	40.0	180	ug/Kg
98-86-2	Acetophenone	31.4	U	31.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.8	U	43.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.5	U	50.5	85.3	ug/Kg
67-72-1	Hexachloroethane	18.8	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	19.5	U	19.5	180	ug/Kg
78-59-1	Isophorone	35.0	U	35.0	180	ug/Kg
88-75-5	2-Nitrophenol	62.0	U	62.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.1	U	69.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.8	U	32.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.2	U	30.2	180	ug/Kg
91-20-3	Naphthalene	24.2	U	24.2	180	ug/Kg
106-47-8	4-Chloroaniline	37.7	U	37.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.0	U	27.0	180	ug/Kg
105-60-2	Caprolactam	55.5	U	55.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.6	U	30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.3	U	27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.1	U	21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.0	U	31.0	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.0	U	24.0	180	ug/Kg
88-74-4	2-Nitroaniline	51.3	U	51.3	180	ug/Kg
131-11-3	Dimethylphthalate	28.9	U	28.9	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.8	U	30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.8	U	35.8	180	ug/Kg
99-09-2	3-Nitroaniline	49.0	U	49.0	180	ug/Kg
83-32-9	Acenaphthene	22.7	U	22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.2	U	24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.4	U	53.4	180	ug/Kg
84-66-2	Diethylphthalate	30.2	U	30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.5	U	28.5	180	ug/Kg
86-73-7	Fluorene	27.0	U	27.0	180	ug/Kg
100-01-6	4-Nitroaniline	68.4	U	68.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.1	U	35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.6	U	29.6	180	ug/Kg
118-74-1	Hexachlorobenzene	27.0	U	27.0	180	ug/Kg
1912-24-9	Atrazine	36.2	U	36.2	180	ug/Kg
87-86-5	Pentachlorophenol	54.7	UQ	54.7	350	ug/Kg
85-01-8	Phenanthrene	22.3	U	22.3	180	ug/Kg
120-12-7	Anthracene	35.5	U	35.5	180	ug/Kg
86-74-8	Carbazole	33.3	U	33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.0	U	51.0	180	ug/Kg
206-44-0	Fluoranthene	32.0	U	32.0	180	ug/Kg
129-00-0	Pyrene	38.4	U	38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.1	UQ	76.1	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.1	U	39.1	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.5	U	24.5	180	ug/Kg
218-01-9	Chrysene	21.2	U	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.1	U	63.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.5	U	92.5	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.9	U	23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.4	U	31.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.0	U	31.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.2	U	29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.4	U	27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.3	U	27.3	180	ug/Kg
123-91-1	1,4-Dioxane	48.2	U	48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.2	U	29.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	52.0		18 - 112	35%	SPK: 150
13127-88-3	Phenol-d6	55.3		15 - 107	37%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.7		18 - 107	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.5		20 - 109	40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.9		10 - 116	33%	SPK: 150
1718-51-0	Terphenyl-d14	30.8		10 - 105	31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	136000	6.963			
1146-65-2	Naphthalene-d8	503000	8.239			
15067-26-2	Acenaphthene-d10	242000	9.998			
1517-22-2	Phenanthrene-d10	333000	11.48			
1719-03-5	Chrysene-d12	276000	14.121			
1520-96-3	Perylene-d12	194000	15.627			

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	600	J		2.28	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	AB		5.19	ug/Kg
000119-61-9	Benzophenone	120	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J		12.0	ug/Kg
000057-11-4	Octadecanoic acid	74.6	J		12.8	ug/Kg
000296-56-0	Cycloeicosane	210	J		14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 6-5	SDG No.:	Q2651
Lab Sample ID:	Q2651-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.8
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
BF143172.D	1	07/21/25 09:30	07/21/25 15:29	PB168929

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\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

Quant Time: Jul 21 15:50:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	136248	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	503155	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	241899	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	333011	20.000	ng	0.00
76) Chrysene-d12	14.121	240	275833	20.000	ng	0.00
86) Perylene-d12	15.627	264	194420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	448111	52.046	ng	0.00
7) Phenol-d6	6.575	99	598801	55.255	ng	-0.01
23) Nitrobenzene-d5	7.516	82	359984	35.663	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	124775	49.931	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	715547	40.455	ng	0.00
79) Terphenyl-d14	13.063	244	570002	30.751	ng	0.00

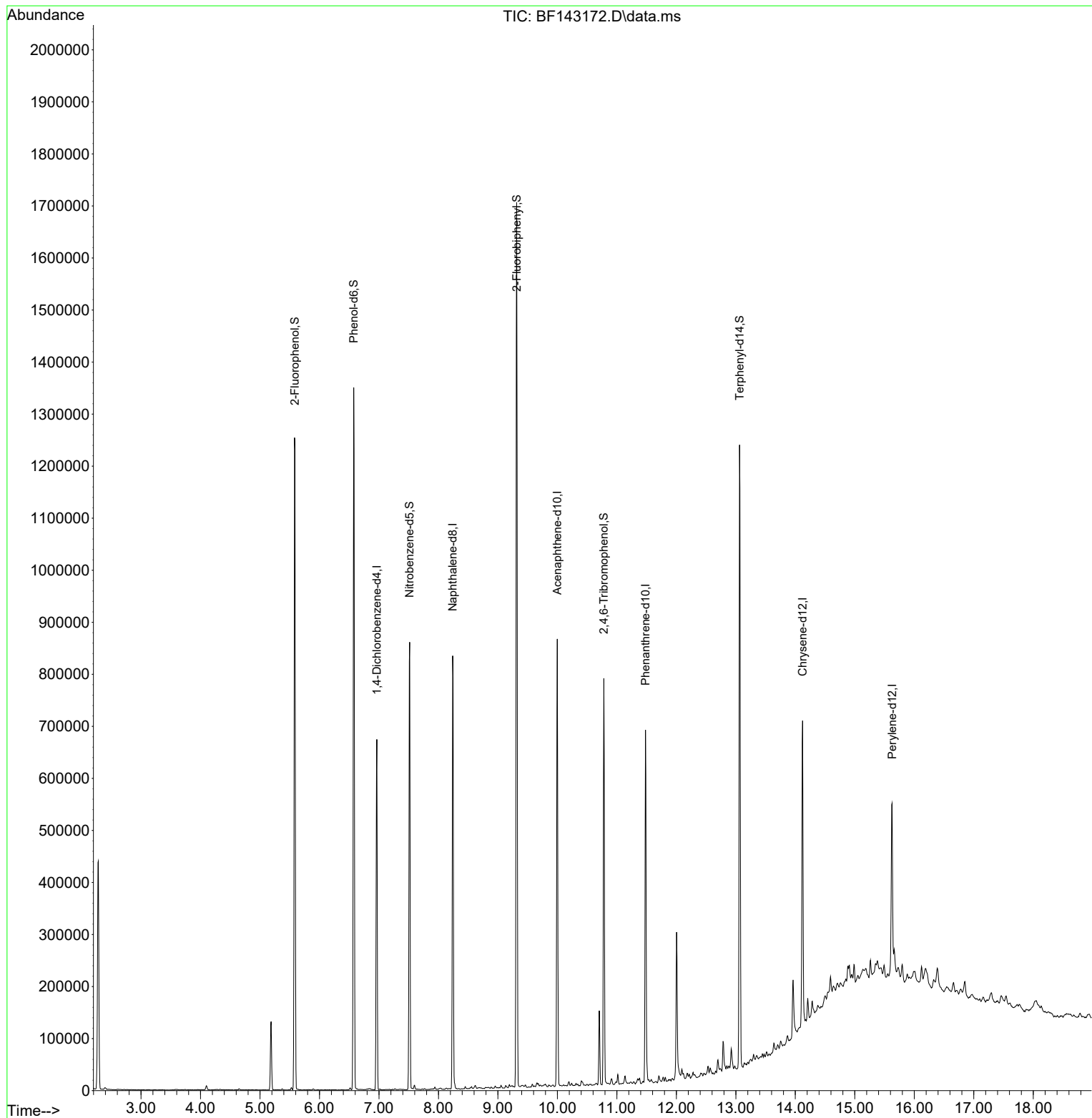
Target Compounds	Qvalue

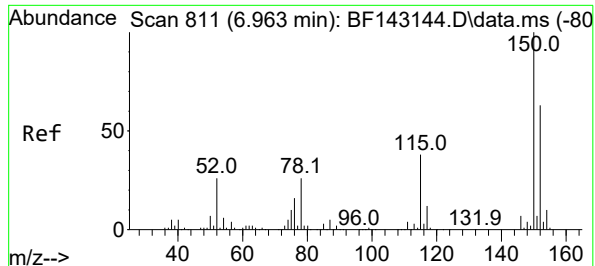
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

Quant Time: Jul 21 15:50:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

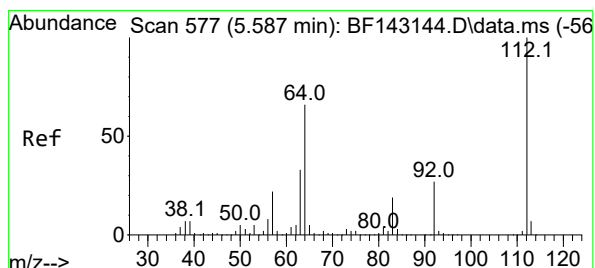
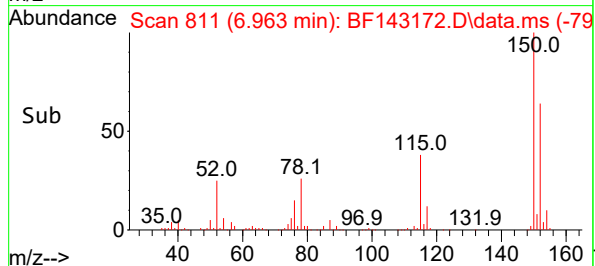
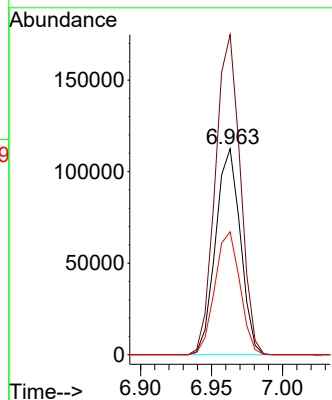
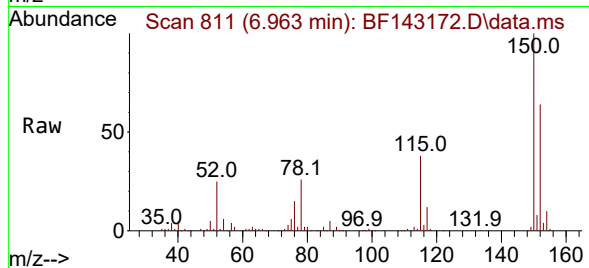




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

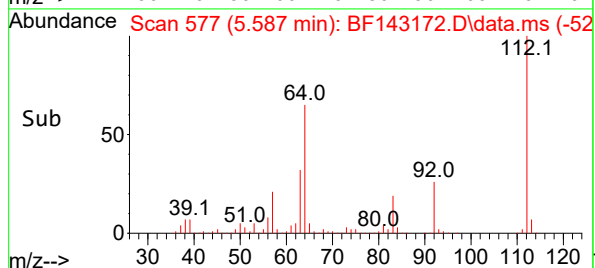
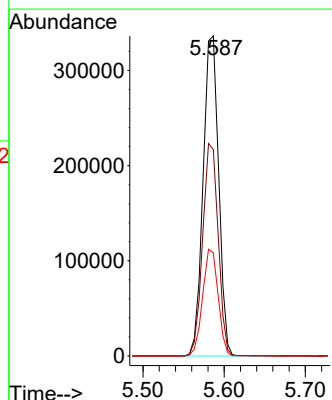
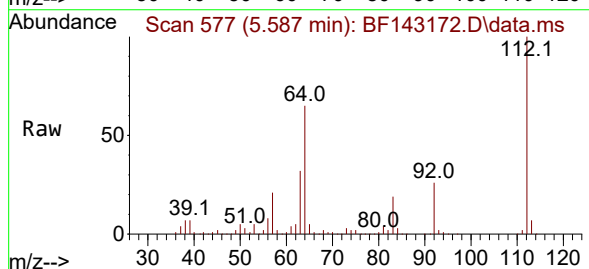
Instrument :
BNA_F
ClientSampleId :
MH 6-5

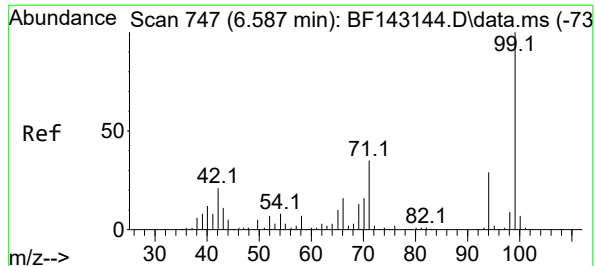
Tgt Ion:152 Resp: 136248
Ion Ratio Lower Upper
152 100
150 155.4 128.2 192.4
115 59.7 47.9 71.9



#5
2-Fluorophenol
Concen: 52.046 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion:112 Resp: 448111
Ion Ratio Lower Upper
112 100
64 64.5 53.1 79.7
63 32.2 26.6 40.0

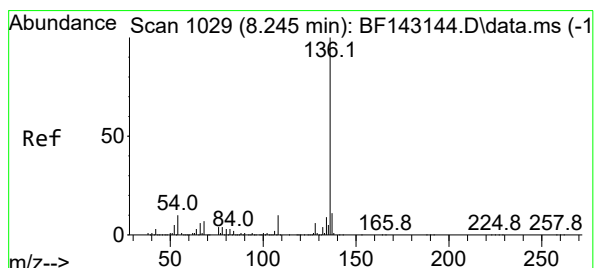
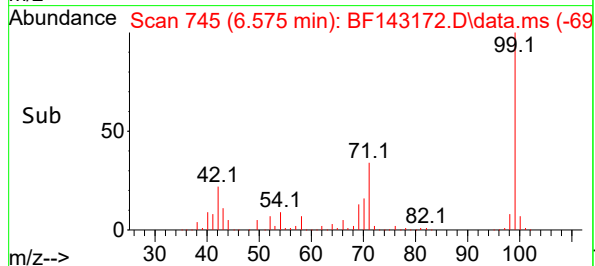
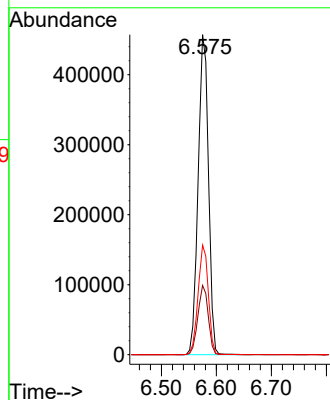
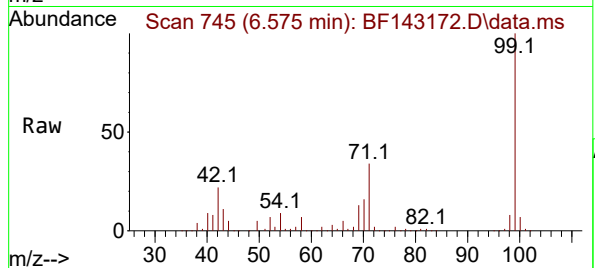




#7
Phenol-d6
Concen: 55.255 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

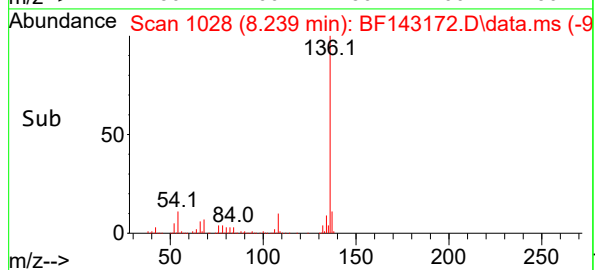
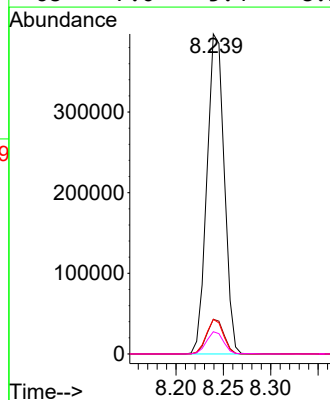
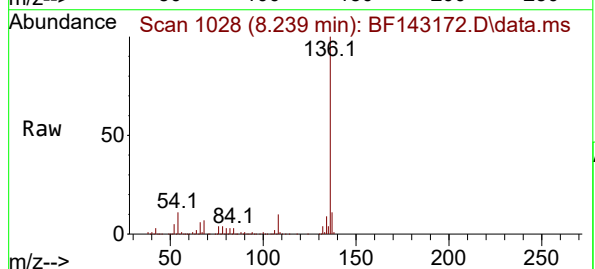
Instrument :
BNA_F
ClientSampleId :
MH 6-5

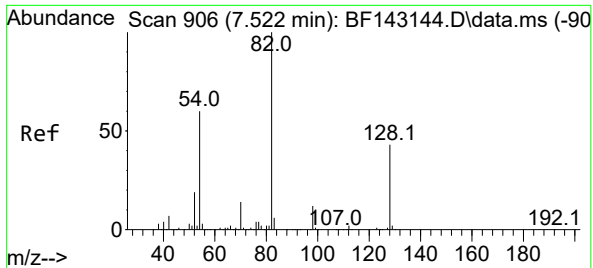
Tgt Ion: 99 Resp: 598801
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.2 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion: 136 Resp: 503155
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.8 8.2 12.2
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 35.663 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

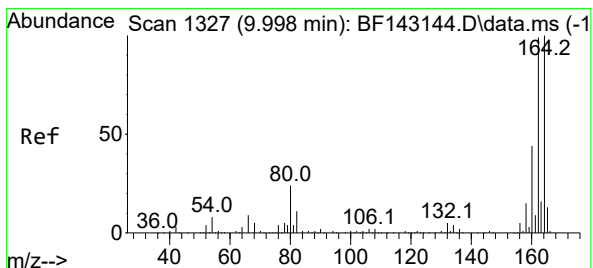
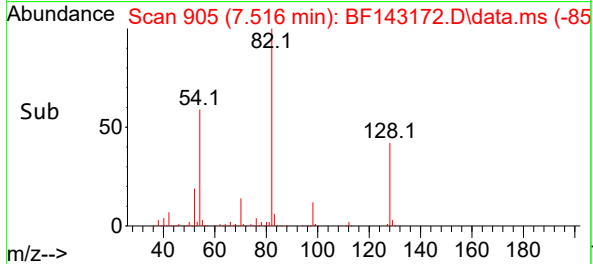
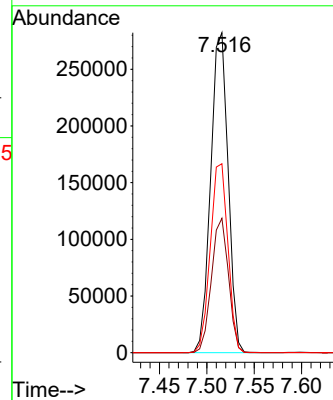
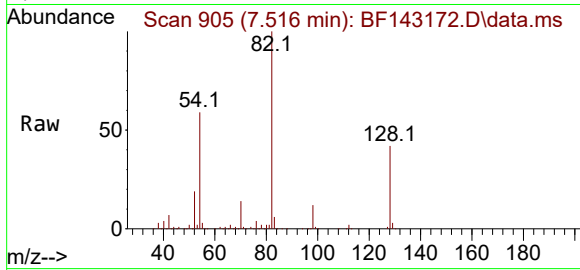
Tgt Ion: 82 Resp: 359984

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

54 59.1 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

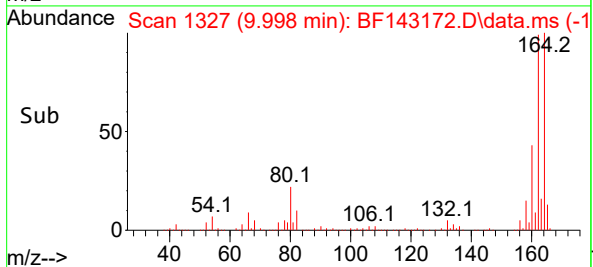
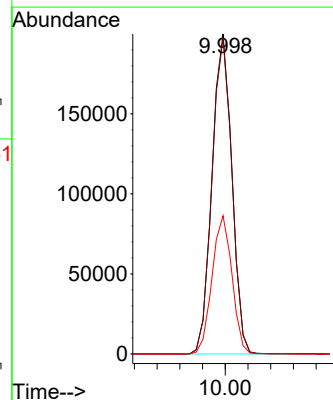
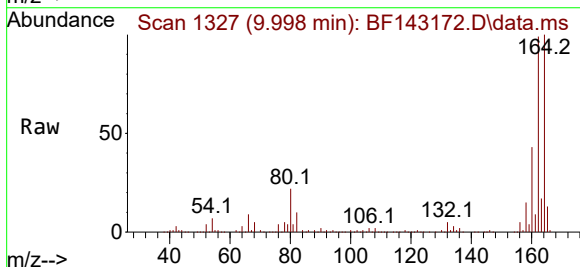
Tgt Ion: 164 Resp: 241899

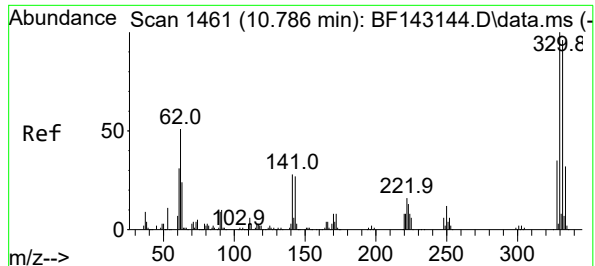
Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 43.2 35.1 52.7

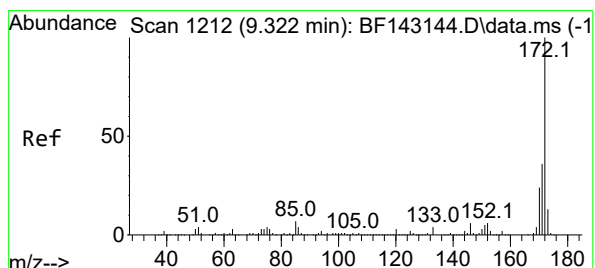
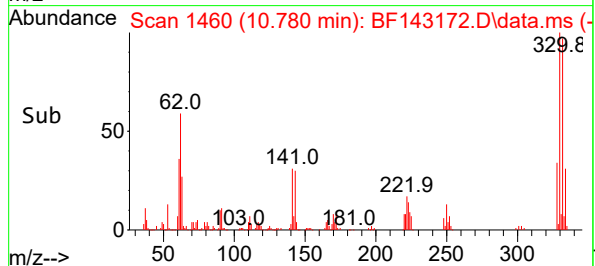
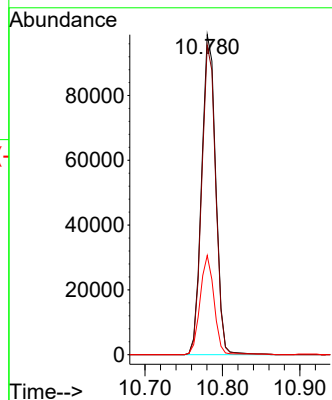
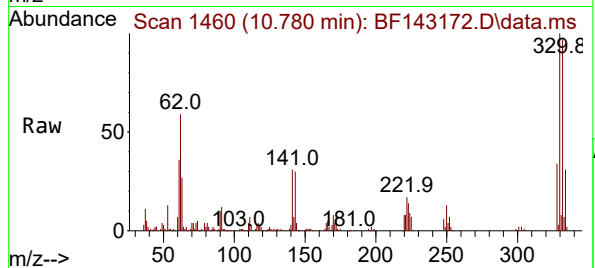




#42
2,4,6-Tribromophenol
Concen: 49.931 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

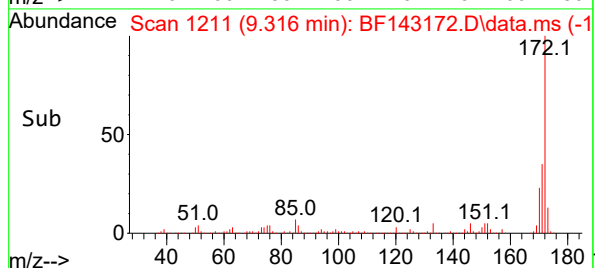
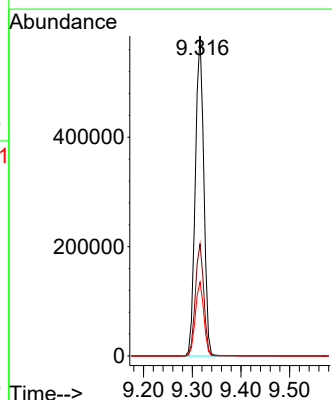
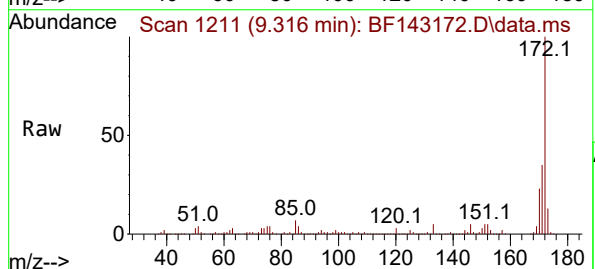
Instrument :
BNA_F
ClientSampleId :
MH 6-5

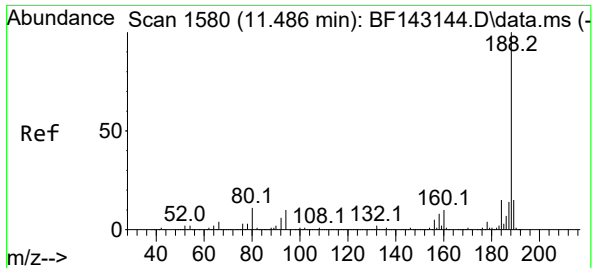
Tgt Ion: 330 Resp: 124775
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 30.8 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 40.455 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143172.D
Acq: 21 Jul 2025 15:29

Tgt Ion: 172 Resp: 715547
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

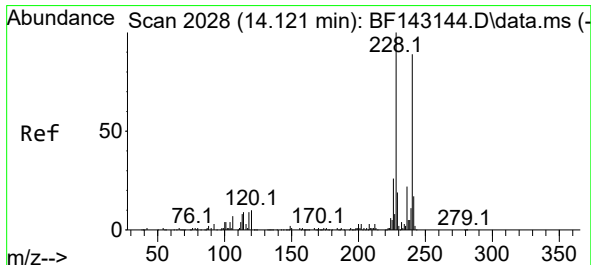
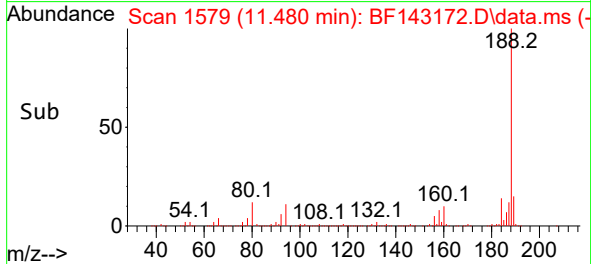
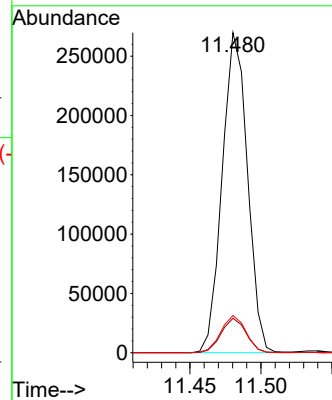
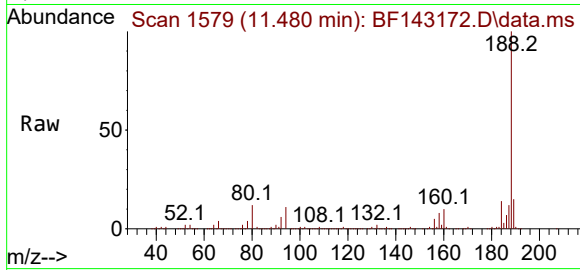
Tgt Ion:188 Resp: 333011

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.6 9.0 13.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

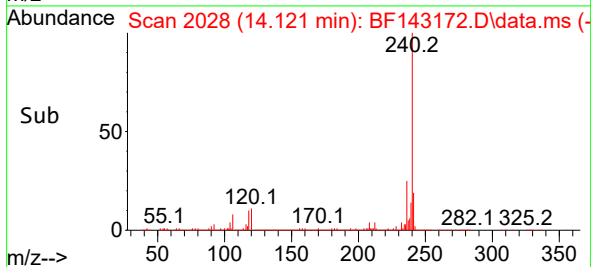
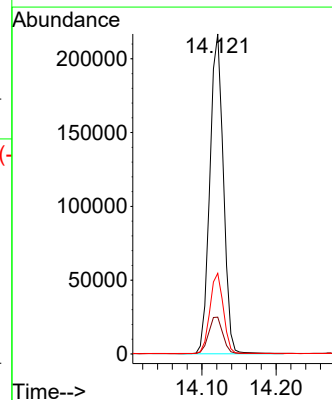
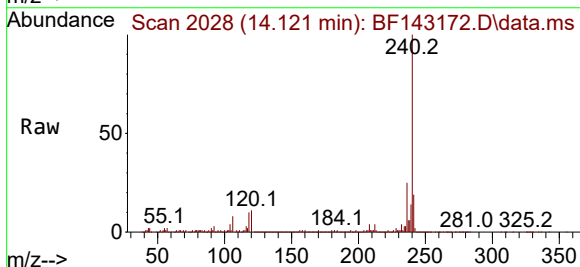
Tgt Ion:240 Resp: 275833

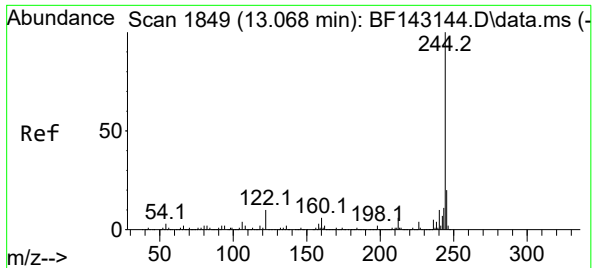
Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

236 25.2 20.2 30.4





#79

Terphenyl-d14

Concen: 30.751 ng

RT: 13.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

Instrument :

BNA_F

ClientSampleId :

MH 6-5

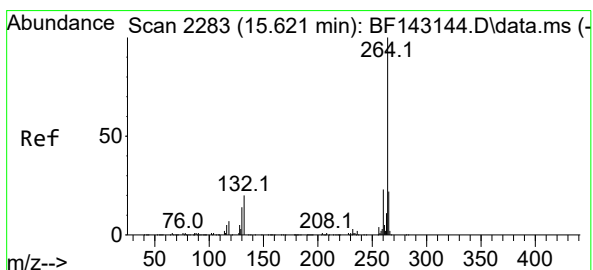
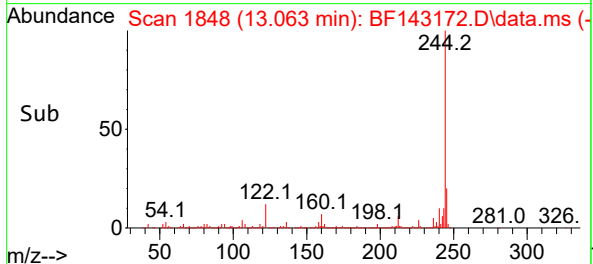
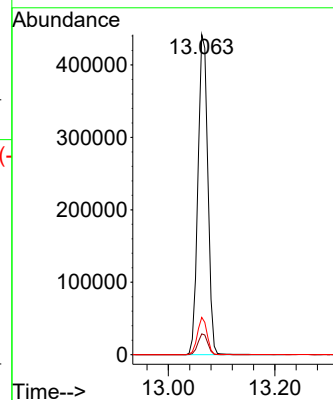
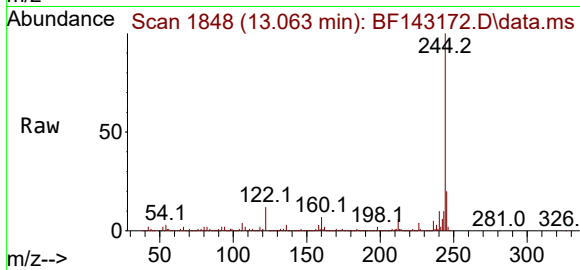
Tgt Ion:244 Resp: 570002

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143172.D

Acq: 21 Jul 2025 15:29

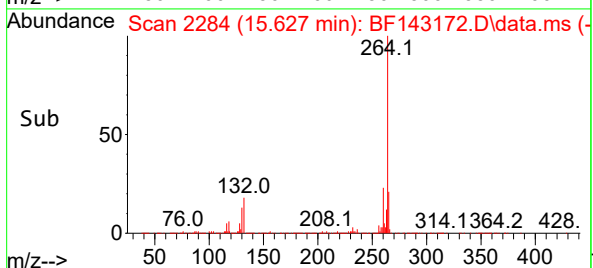
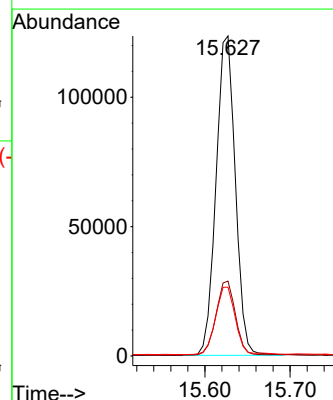
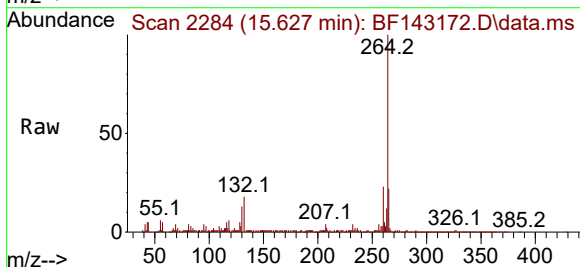
Tgt Ion:264 Resp: 194420

Ion Ratio Lower Upper

264 100

260 23.4 18.5 27.7

265 21.5 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143172.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.281	8	15	22	rVB	437957	699158	33.62%	4.306%
2	5.187	503	509	515	rBV	131569	184702	8.88%	1.138%
3	5.581	571	576	582	rBV	1253063	1668665	80.25%	10.278%
4	6.575	739	745	750	rBV	1349259	1768464	85.04%	10.893%
5	6.963	806	811	816	rBV	673110	824654	39.66%	5.079%
6	7.516	899	905	910	rBV	859495	1101245	52.96%	6.783%
7	8.239	1023	1028	1033	rBV	832101	1054845	50.73%	6.497%
8	9.316	1205	1211	1216	rBV	1699629	2079461	100.00%	12.808%
9	9.998	1321	1327	1332	rBV	859137	1052005	50.59%	6.480%
10	10.704	1442	1447	1452	rBV	142344	172865	8.31%	1.065%
11	10.780	1455	1460	1465	rBV	781173	967580	46.53%	5.960%
12	11.016	1497	1500	1504	rVB	18443	22011	1.06%	0.136%
13	11.139	1516	1521	1527	rVB5	14238	22344	1.07%	0.138%
14	11.480	1574	1579	1587	rBV	677233	874523	42.06%	5.387%
15	11.704	1613	1617	1625	rBV5	13212	26325	1.27%	0.162%
16	12.004	1661	1668	1679	rBV2	283972	440753	21.20%	2.715%
17	12.698	1782	1786	1791	rBV	24321	41759	2.01%	0.257%
18	12.786	1797	1801	1809	rBV	57263	92017	4.43%	0.567%
19	12.921	1820	1824	1831	rVB	38114	62323	3.00%	0.384%
20	13.063	1843	1848	1858	rBV	1196599	1539717	74.04%	9.484%
21	13.963	1996	2001	2012	rBV	112808	235298	11.32%	1.449%
22	14.121	2023	2028	2035	rBV	580923	778805	37.45%	4.797%
23	14.210	2040	2043	2048	rVV	39224	51495	2.48%	0.317%
24	15.627	2279	2284	2288	rBV	309552	474287	22.81%	2.921%

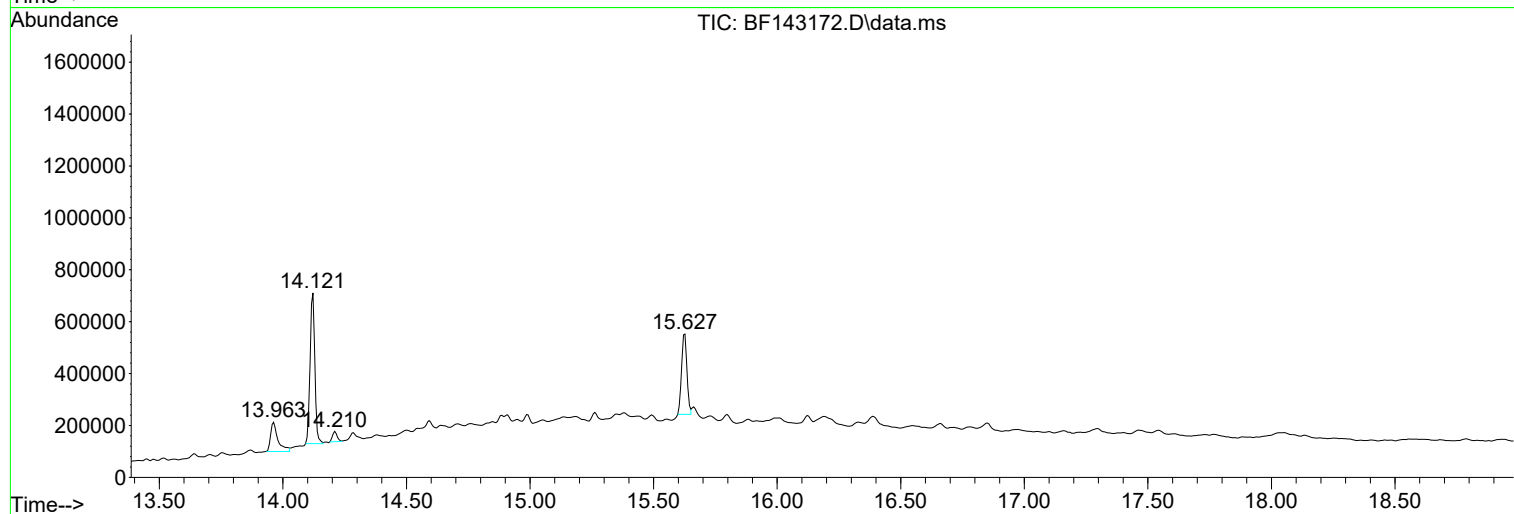
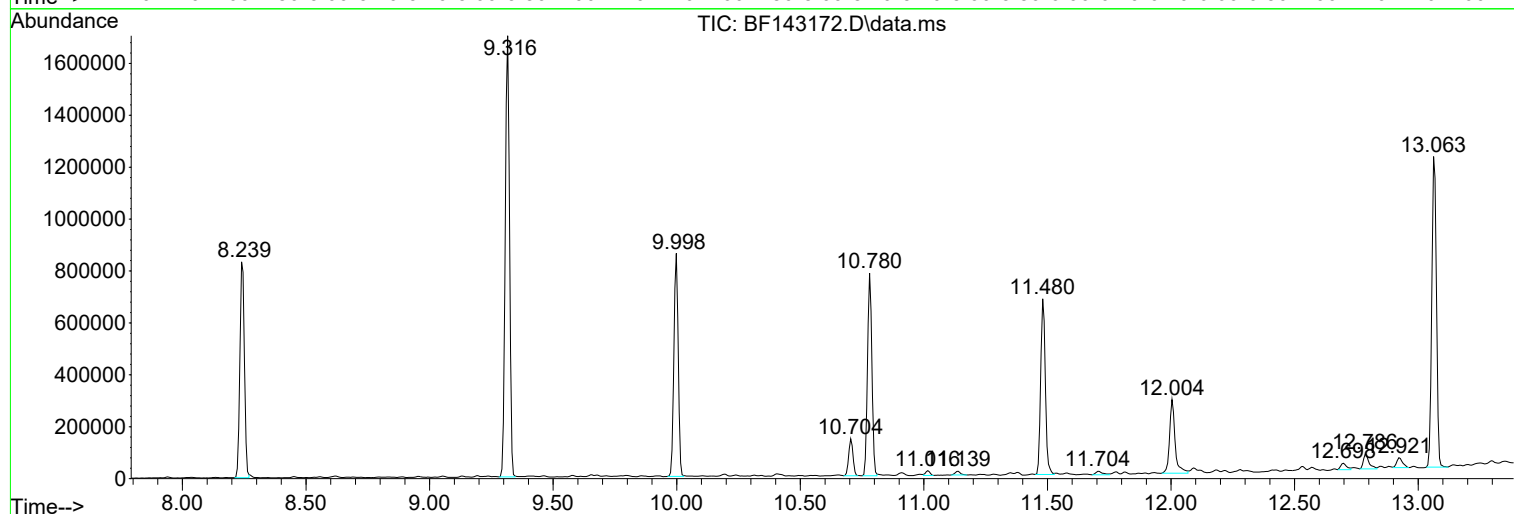
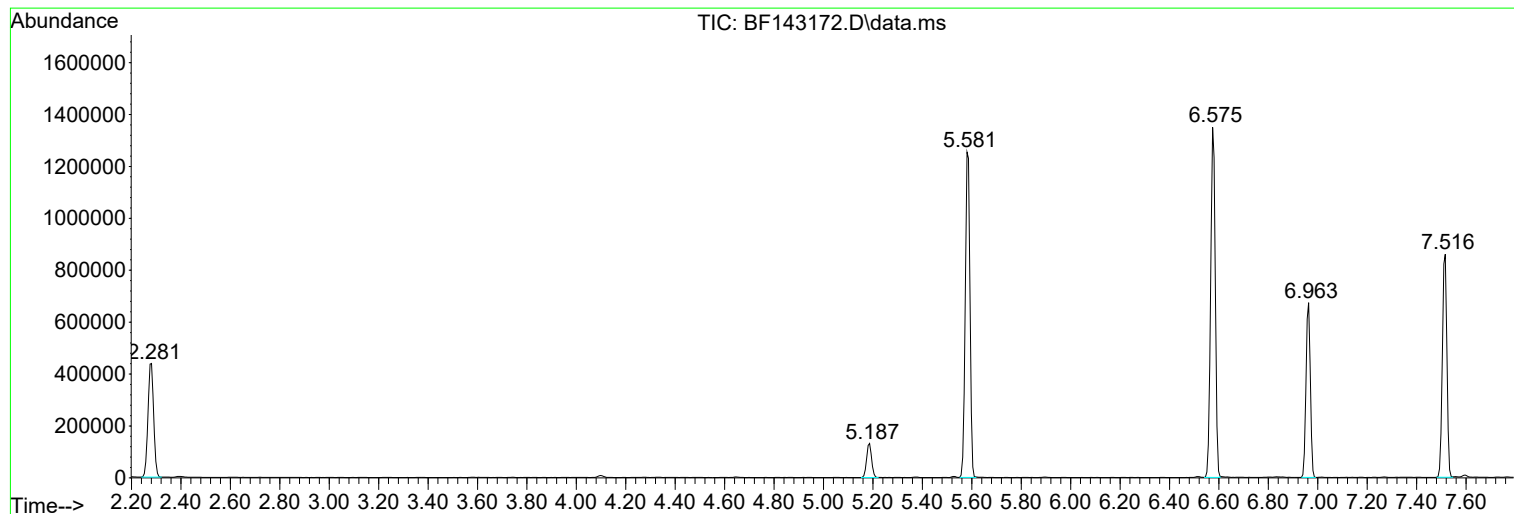
Sum of corrected areas: 16235301

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

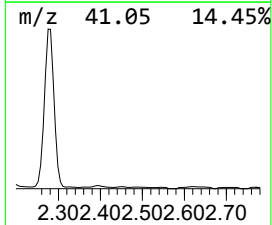
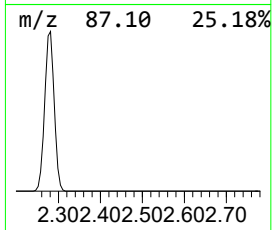
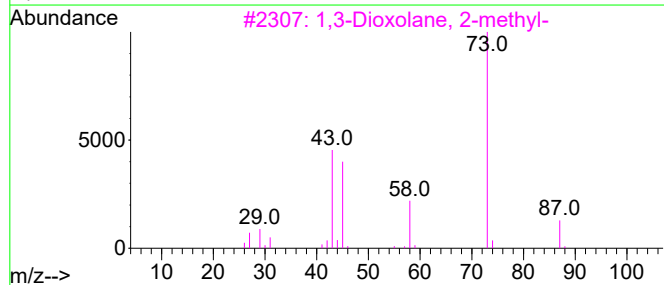
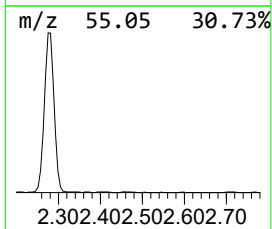
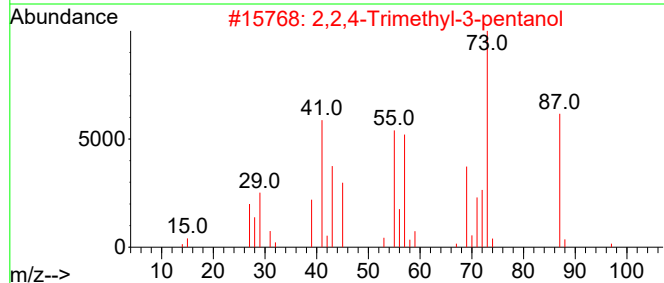
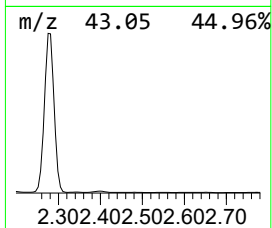
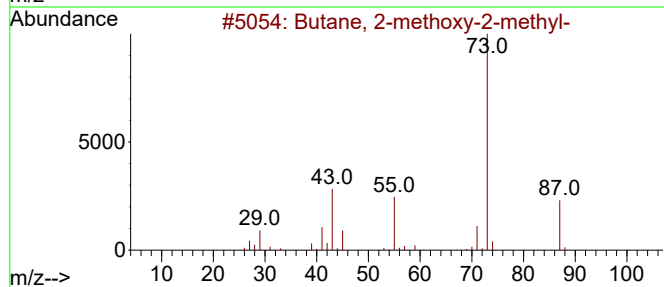
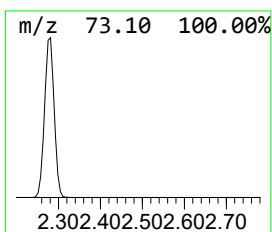
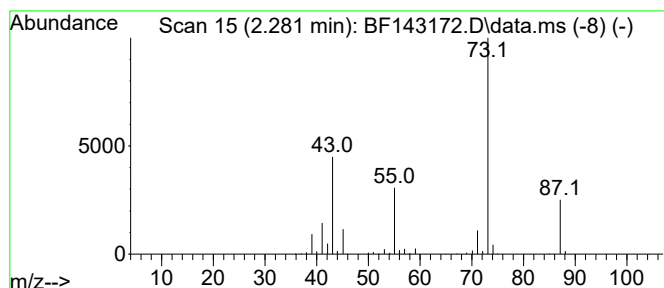
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.281	16.96 ng	699158	1,4-Dichlorobenzene-d4	6.963

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	37
4			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

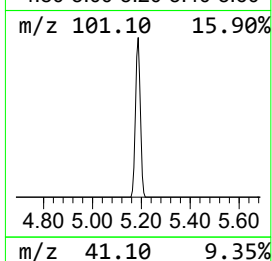
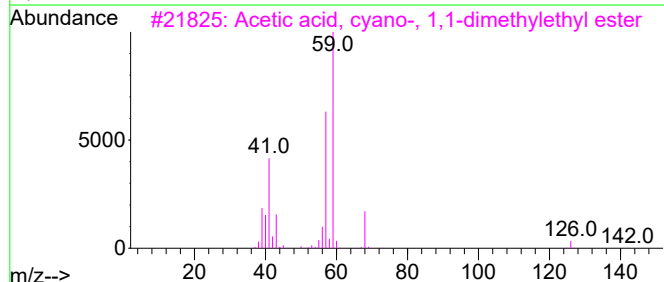
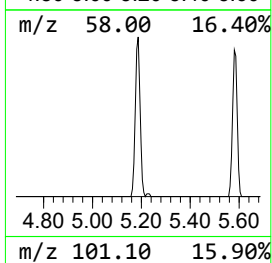
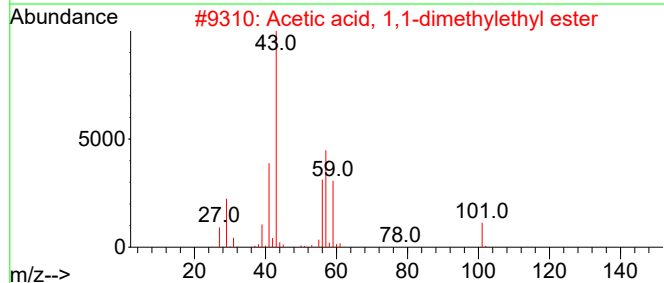
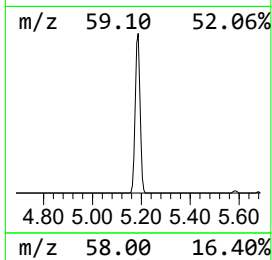
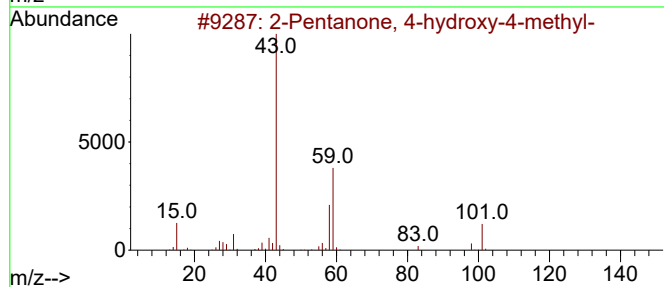
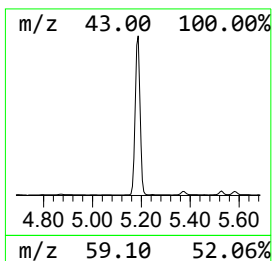
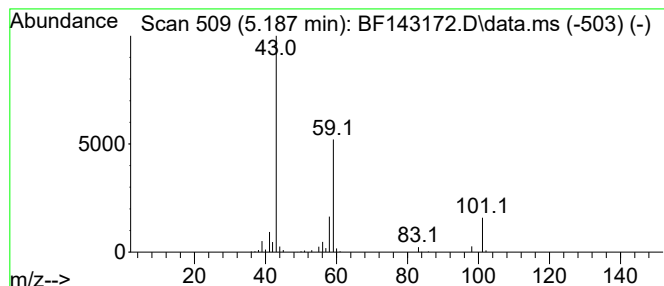
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.187	4.48 ng	184702	1,4-Dichlorobenzene-d4	6.963

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	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\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

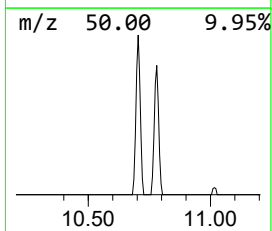
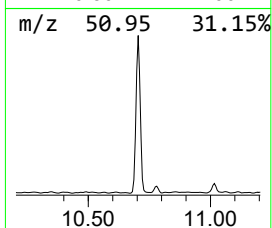
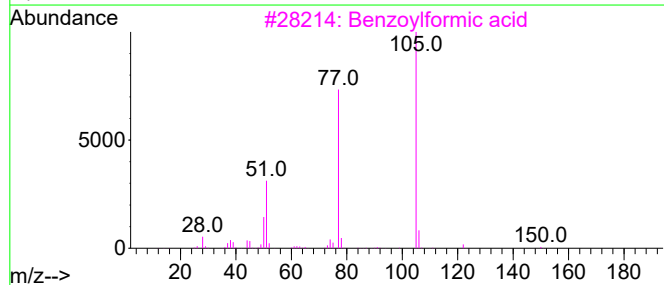
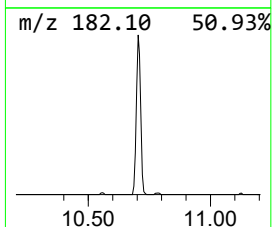
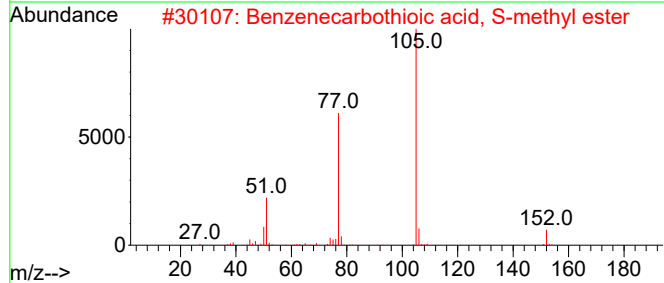
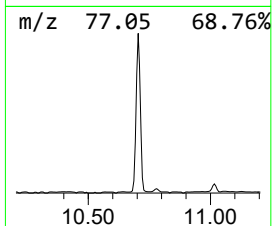
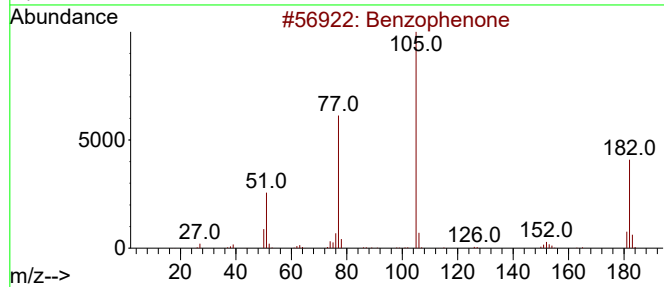
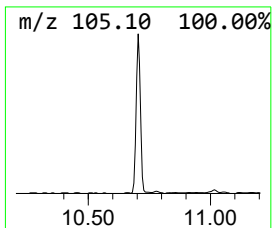
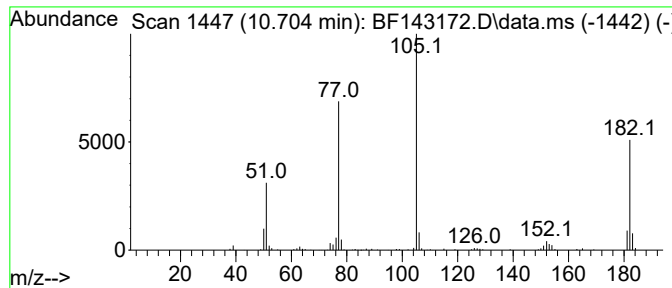
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.29 ng	172865	Acenaphthene-d10	9.998

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3			Benzoylformic acid	150	C8H6O3	000611-73-4	49
4			N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
5			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

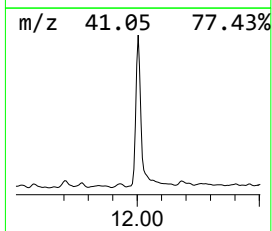
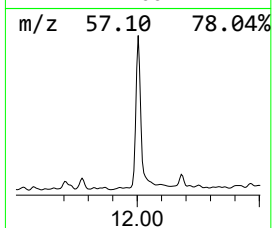
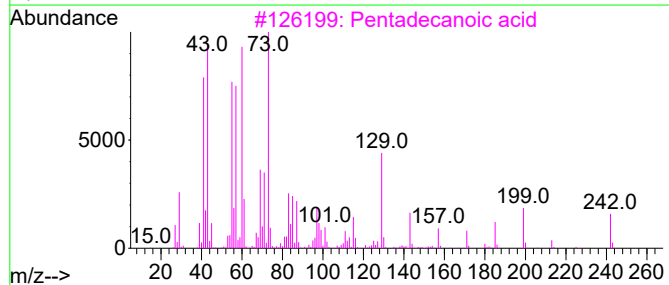
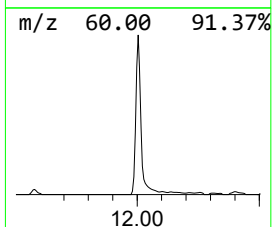
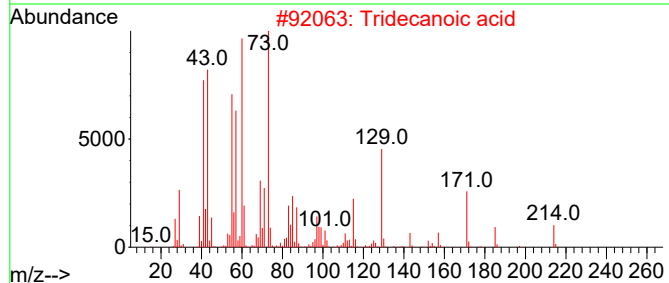
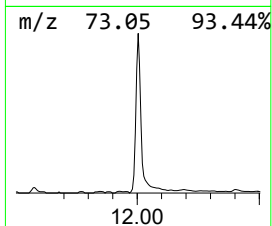
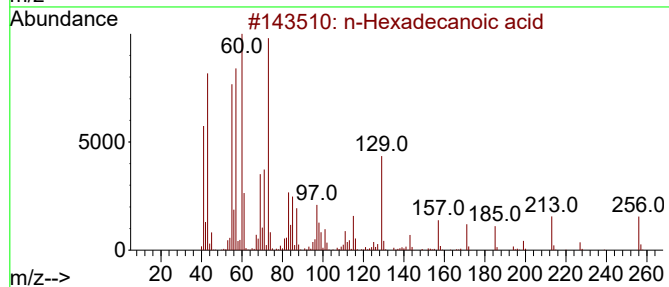
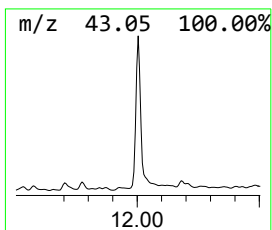
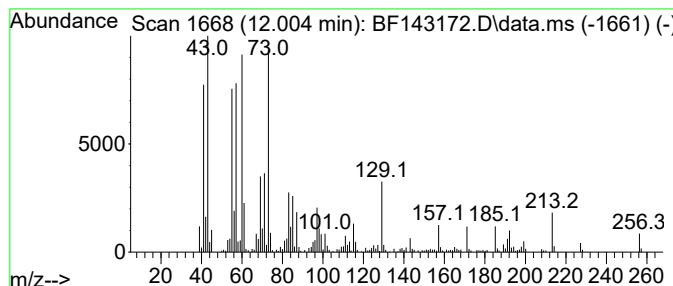
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	10.08 ng	440753	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Undecanoic acid	186	C11H22O2	000112-37-8	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

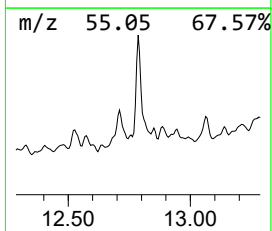
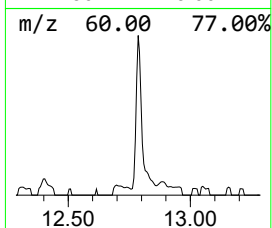
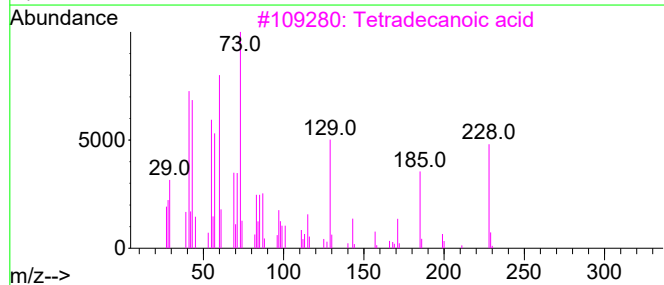
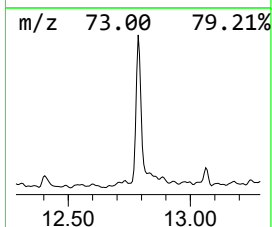
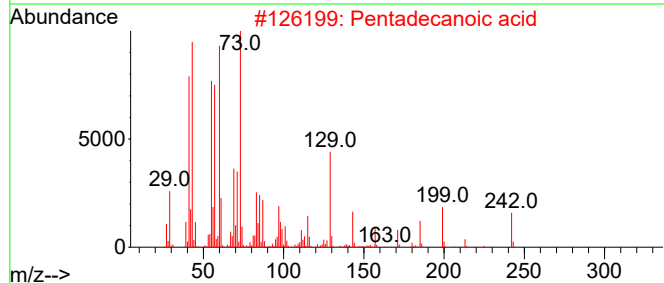
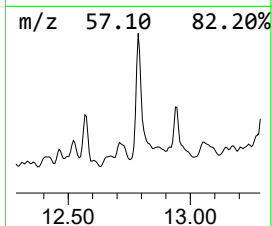
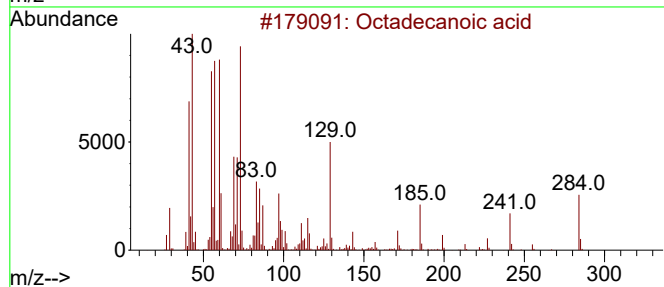
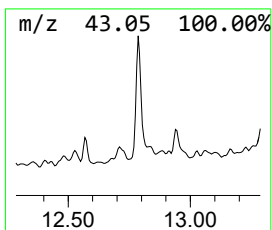
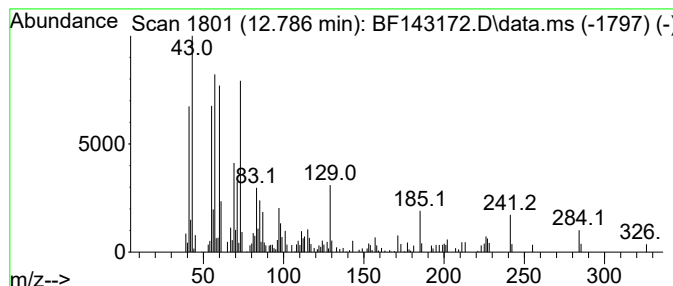
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	2.10 ng	92017	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
5			Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

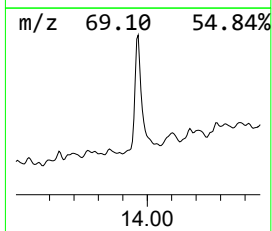
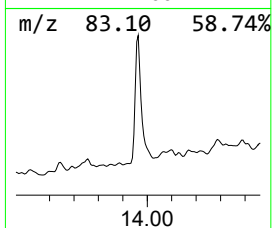
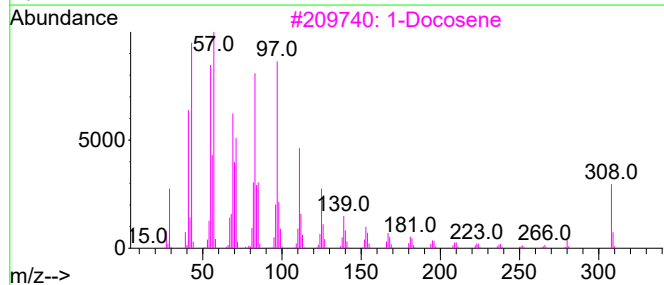
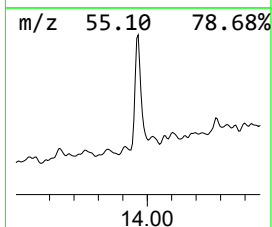
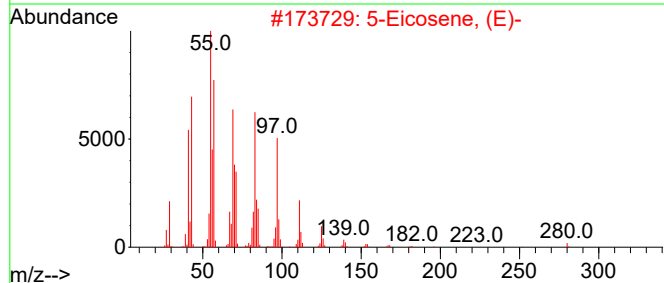
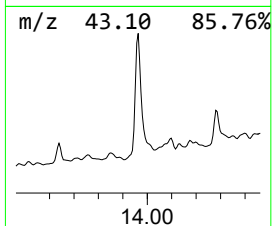
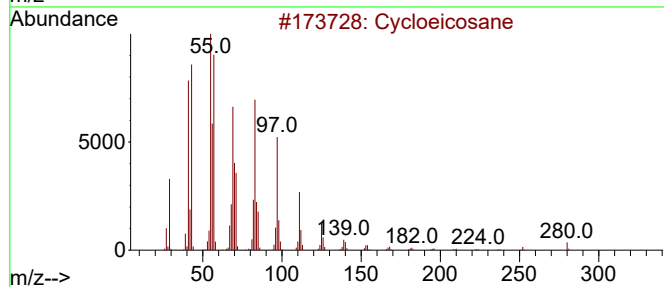
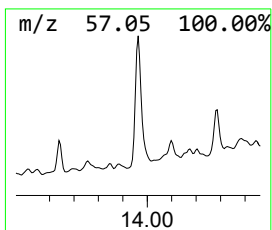
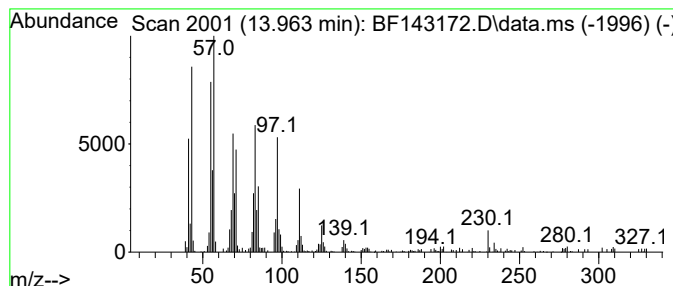
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cycloecosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.963	6.04 ng	235298	Chrysene-d12	14.121

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloecosane	280	C20H40	000296-56-0	97
2			5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3			1-Docosene	308	C22H44	001599-67-3	94
4			17-Pentatriacontene	491	C35H70	006971-40-0	93
5			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143172.D
Acq On : 21 Jul 2025 15:29
Operator : RC/JU
Sample : Q2651-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 6-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.281	17.0	ng	699158	1	6.963	824654	20.0
2-Pentanone, 4-...	5.187	4.5	ng	184702	1	6.963	824654	20.0
Benzophenone	10.704	3.3	ng	172865	3	9.998	1052010	20.0
n-Hexadecanoic ...	12.004	10.1	ng	440753	4	11.480	874523	20.0
Octadecanoic acid	12.786	2.1	ng	92017	4	11.480	874523	20.0
Cycloeicosane	13.963	6.0	ng	235298	5	14.121	778805	20.0

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.5	U	23.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.8	U	25.8	180	ug/Kg
95-57-8	2-Chlorophenol	25.9	U	25.9	180	ug/Kg
95-48-7	2-Methylphenol	31.8	U	31.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.9	U	39.9	180	ug/Kg
98-86-2	Acetophenone	31.4	U	31.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.7	U	43.7	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.4	U	50.4	85.0	ug/Kg
67-72-1	Hexachloroethane	18.7	U	18.7	180	ug/Kg
98-95-3	Nitrobenzene	19.4	U	19.4	180	ug/Kg
78-59-1	Isophorone	34.9	U	34.9	180	ug/Kg
88-75-5	2-Nitrophenol	61.9	U	61.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.7	U	32.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.1	U	30.1	180	ug/Kg
91-20-3	Naphthalene	24.1	U	24.1	180	ug/Kg
106-47-8	4-Chloroaniline	37.6	U	37.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.9	U	26.9	180	ug/Kg
105-60-2	Caprolactam	55.4	U	55.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.5	U	30.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.2	U	27.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.0	U	21.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.9	U	30.9	180	ug/Kg
92-52-4	1,1-Biphenyl	23.2	U	23.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.9	U	23.9	180	ug/Kg
88-74-4	2-Nitroaniline	51.1	U	51.1	180	ug/Kg
131-11-3	Dimethylphthalate	28.8	U	28.8	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.7	U	30.7	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.7	U	35.7	180	ug/Kg
99-09-2	3-Nitroaniline	48.9	U	48.9	180	ug/Kg
83-32-9	Acenaphthene	22.6	U	22.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.1	U	24.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.2	U	53.2	180	ug/Kg
84-66-2	Diethylphthalate	30.1	U	30.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.4	U	28.4	180	ug/Kg
86-73-7	Fluorene	26.9	U	26.9	180	ug/Kg
100-01-6	4-Nitroaniline	68.2	U	68.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.0	U	35.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.5	U	29.5	180	ug/Kg
118-74-1	Hexachlorobenzene	26.9	U	26.9	180	ug/Kg
1912-24-9	Atrazine	36.1	U	36.1	180	ug/Kg
87-86-5	Pentachlorophenol	54.5	UQ	54.5	350	ug/Kg
85-01-8	Phenanthrene	22.2	U	22.2	180	ug/Kg
120-12-7	Anthracene	35.4	U	35.4	180	ug/Kg
86-74-8	Carbazole	33.2	U	33.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.9	U	50.9	180	ug/Kg
206-44-0	Fluoranthene	31.9	U	31.9	180	ug/Kg
129-00-0	Pyrene	38.3	U	38.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.9	UQ	75.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.0	U	39.0	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.4	U	24.4	180	ug/Kg
218-01-9	Chrysene	21.2	U	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.9	U	62.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	92.3	U	92.3	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.2	U	20.2	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.8	U	23.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.4	U	31.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.9	U	30.9	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.1	U	29.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.3	U	27.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.2	U	27.2	180	ug/Kg
123-91-1	1,4-Dioxane	48.0	U	48.0	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.1	U	29.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.1		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.5		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.7		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	41.6		10 - 105	42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.963
1146-65-2	Naphthalene-d8	446000	8.24
15067-26-2	Acenaphthene-d10	207000	9.998
1517-22-2	Phenanthrene-d10	301000	11.481
1719-03-5	Chrysene-d12	276000	14.122
1520-96-3	Perylene-d12	200000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	920	J	2.30	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB	5.19	ug/Kg
000119-61-9	Benzophenone	150	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	470	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	110	J	12.8	ug/Kg
000296-56-0	Cycloeicosane	270	J	14.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 7-6	SDG No.:	Q2651
Lab Sample ID:	Q2651-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.9
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
BF143173.D	1	07/21/25 09:30	07/21/25 15:58	PB168929

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\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

Quant Time: Jul 21 16:21:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	124836	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	446383	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	207481	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	301114	20.000	ng	0.00
76) Chrysene-d12	14.122	240	276030	20.000	ng	0.00
86) Perylene-d12	15.627	264	199935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	597271	75.712	ng	0.00
7) Phenol-d6	6.581	99	763809	76.924	ng	0.00
23) Nitrobenzene-d5	7.516	82	475804	53.132	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	162324	75.732	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	887667	58.511	ng	0.00
79) Terphenyl-d14	13.069	244	771367	41.585	ng	0.00

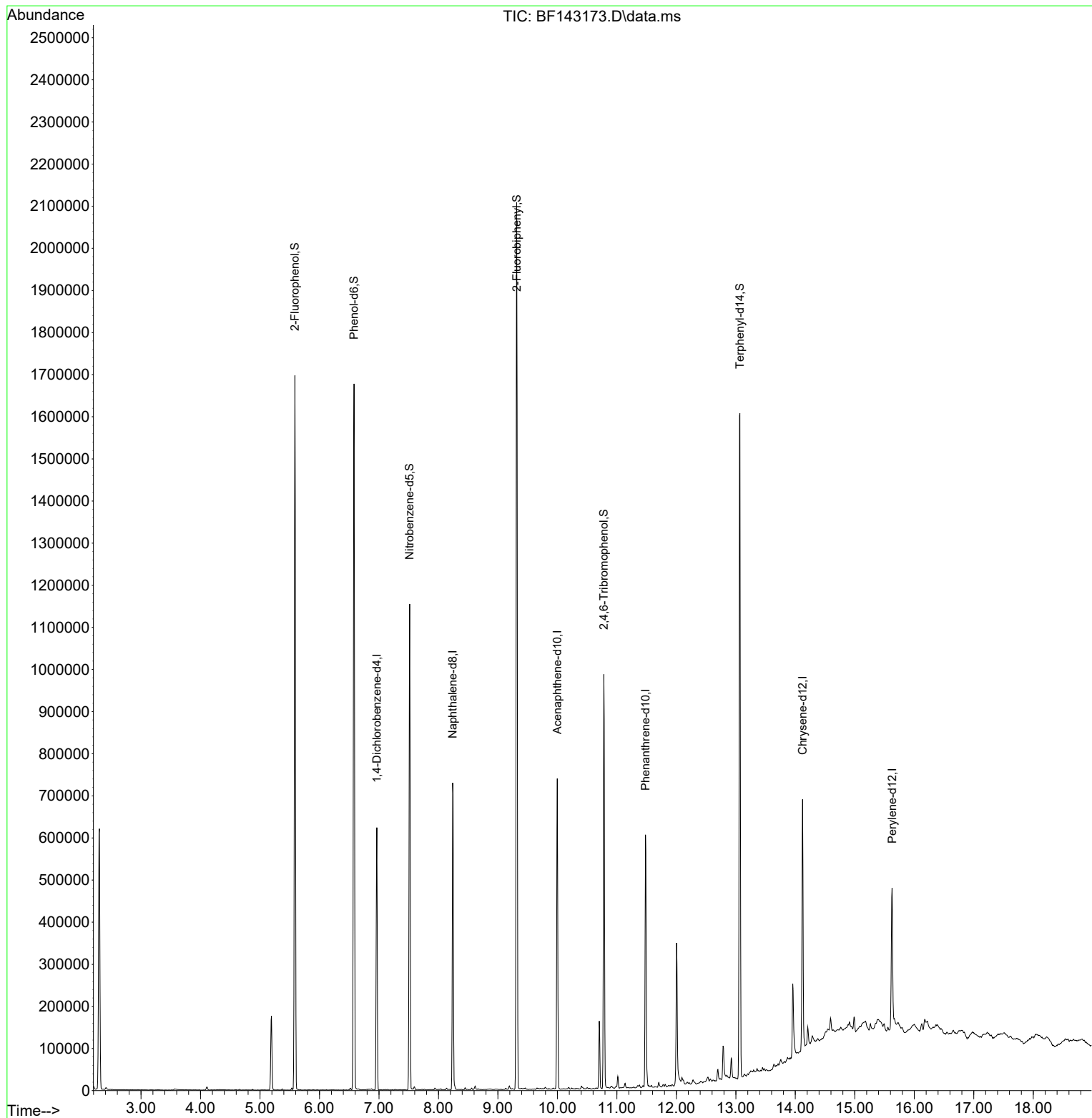
Target Compounds	Qvalue

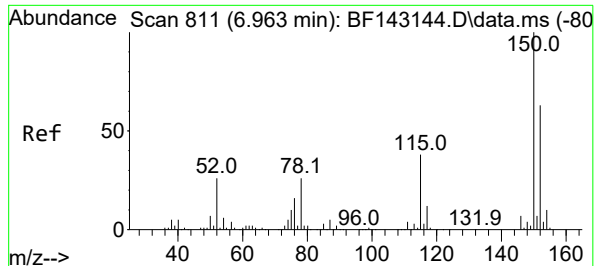
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

Quant Time: Jul 21 16:21:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

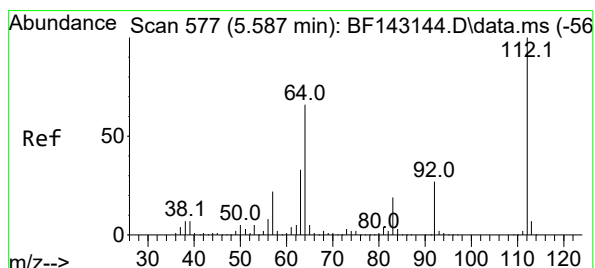
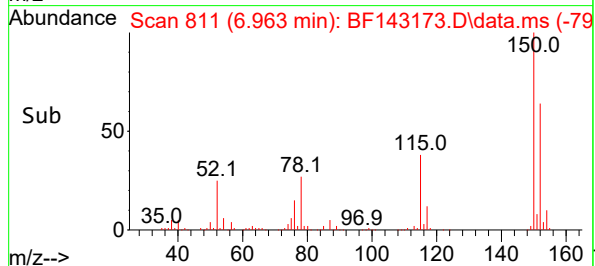
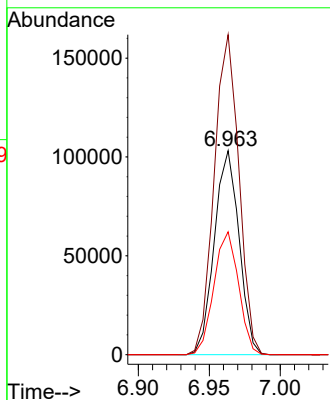
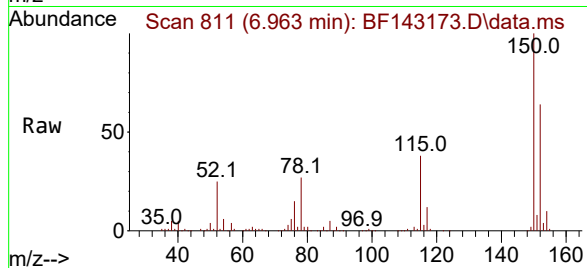




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

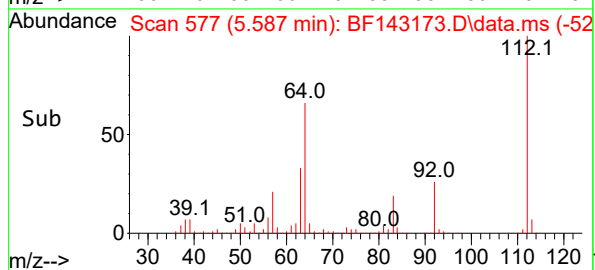
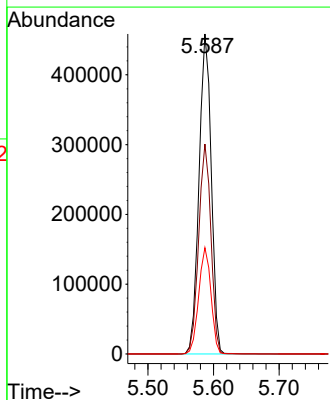
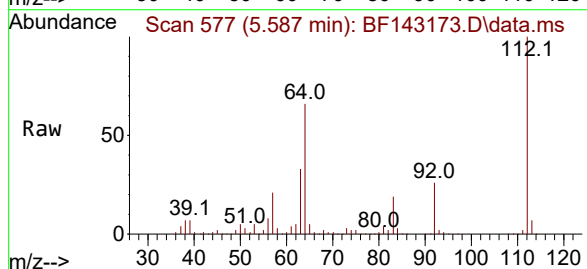
Instrument :
BNA_F
ClientSampleId :
MH 7-6

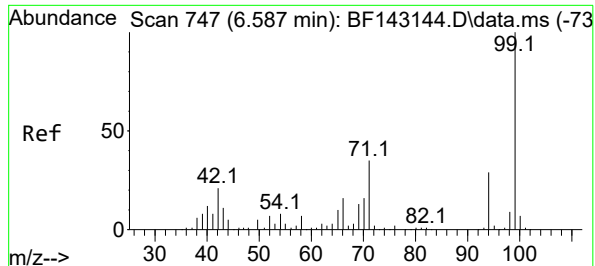
Tgt Ion:152 Resp: 124836
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 60.2 47.9 71.9



#5
2-Fluorophenol
Concen: 75.712 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

Tgt Ion:112 Resp: 597271
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 33.2 26.6 40.0

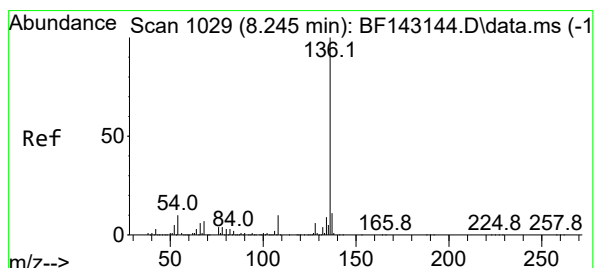
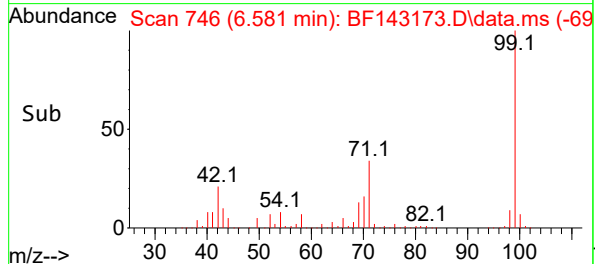
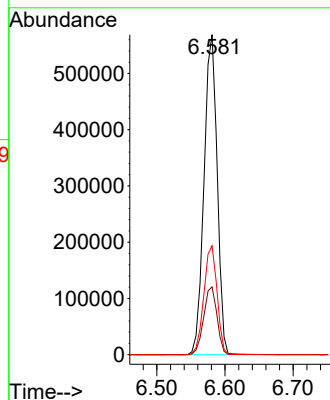
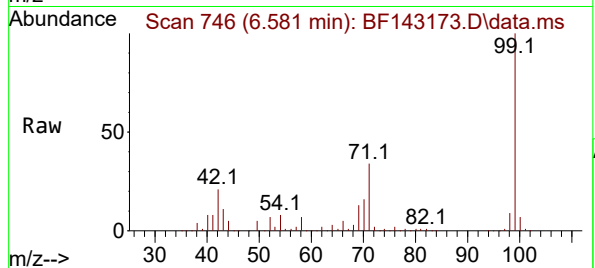




#7
Phenol-d6
Concen: 76.924 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

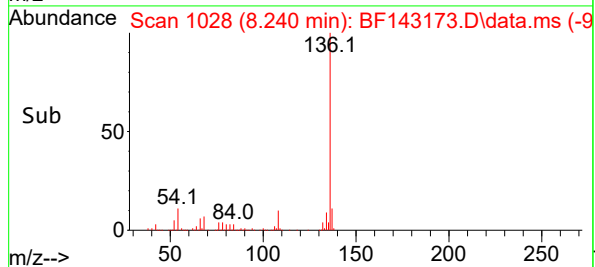
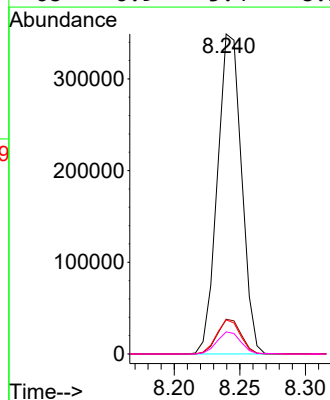
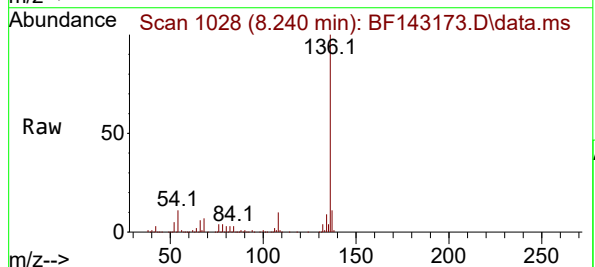
Instrument :
BNA_F
ClientSampleId :
MH 7-6

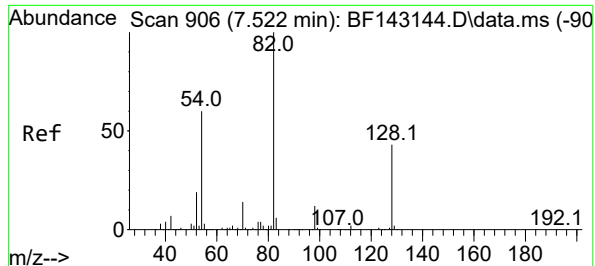
Tgt Ion: 99 Resp: 763809
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 34.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

Tgt Ion: 136 Resp: 446383
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.7 8.2 12.2
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 53.132 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143173.D

Acq: 21 Jul 2025 15:58

Instrument :

BNA_F

ClientSampleId :

MH 7-6

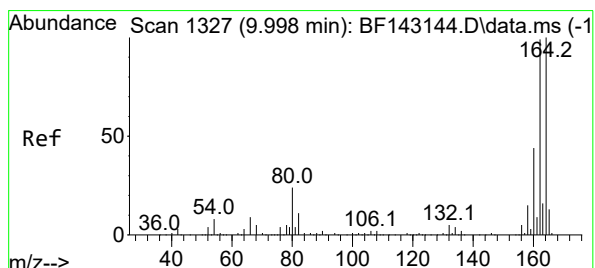
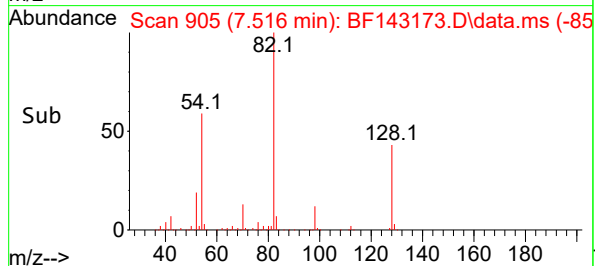
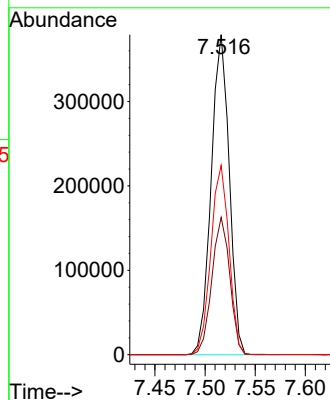
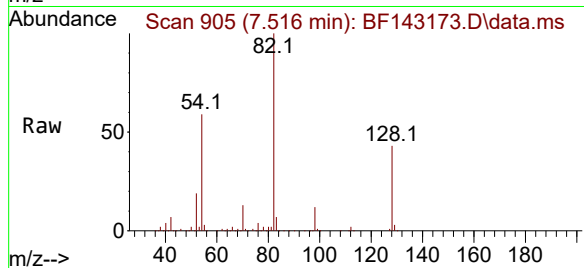
Tgt Ion: 82 Resp: 475804

Ion Ratio Lower Upper

82 100

128 42.9 33.6 50.4

54 59.2 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143173.D

Acq: 21 Jul 2025 15:58

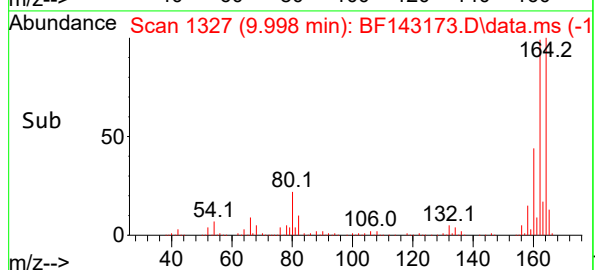
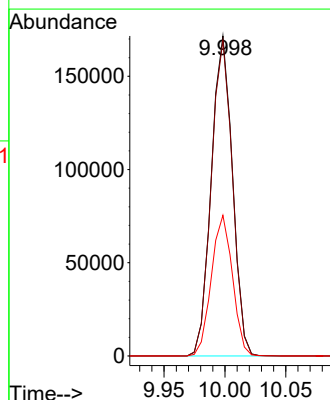
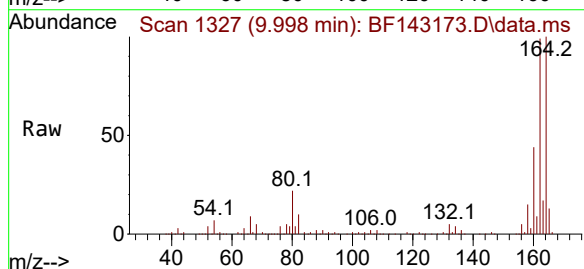
Tgt Ion: 164 Resp: 207481

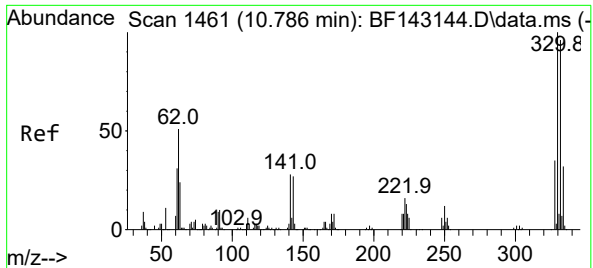
Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 44.0 35.1 52.7

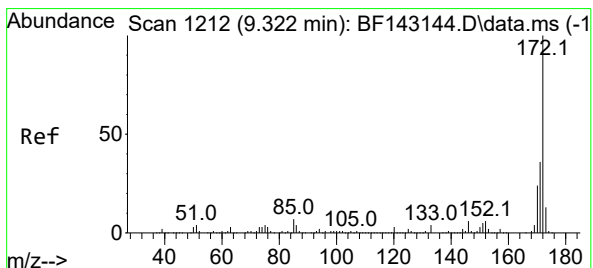
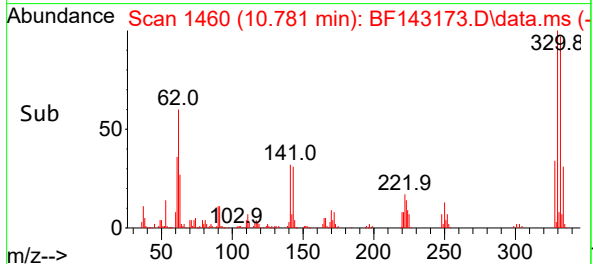
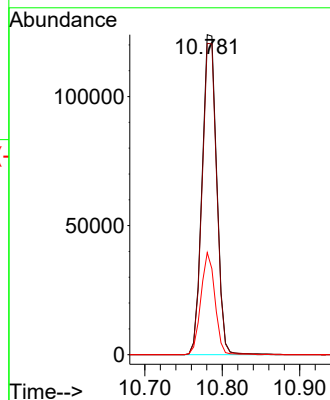
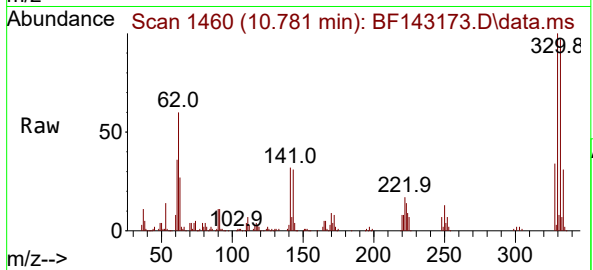




#42
2,4,6-Tribromophenol
Concen: 75.732 ng
RT: 10.781 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

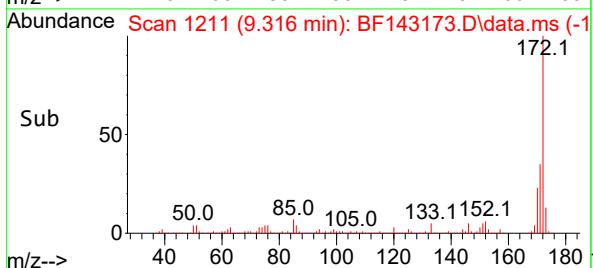
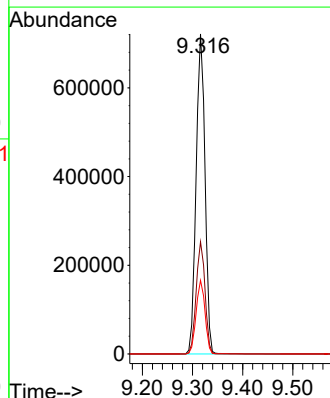
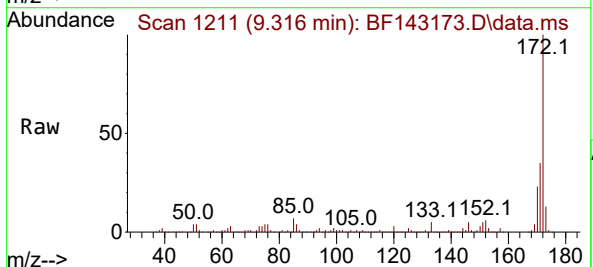
Instrument :
BNA_F
ClientSampleId :
MH 7-6

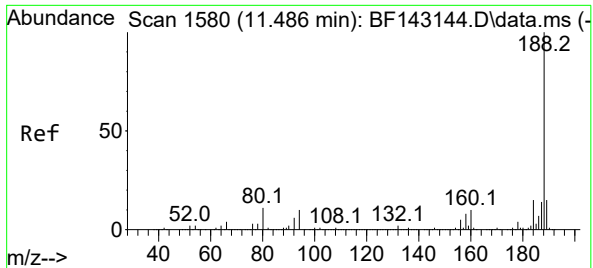
Tgt Ion:330 Resp: 162324
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 30.6 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 58.511 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

Tgt Ion:172 Resp: 887667
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.0 18.8 28.2

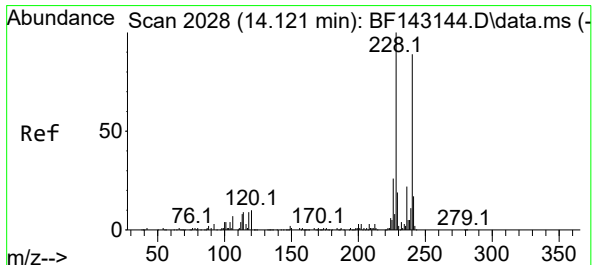
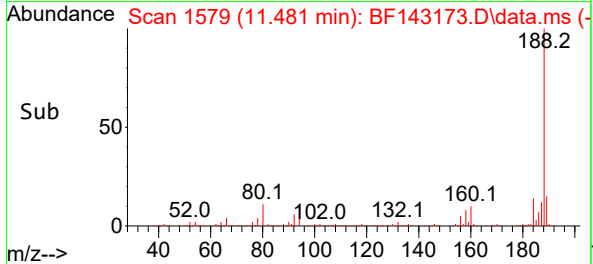
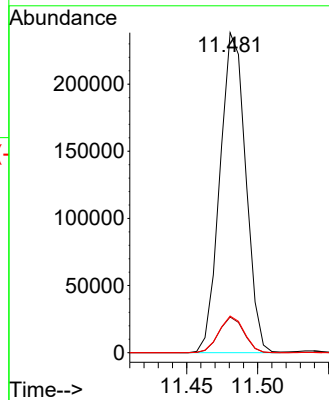
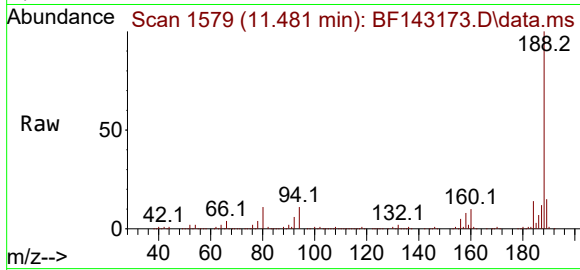




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

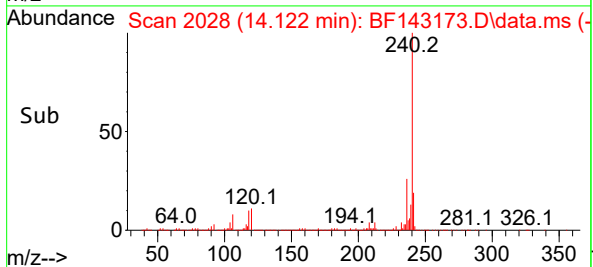
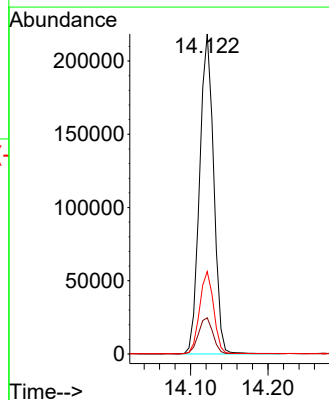
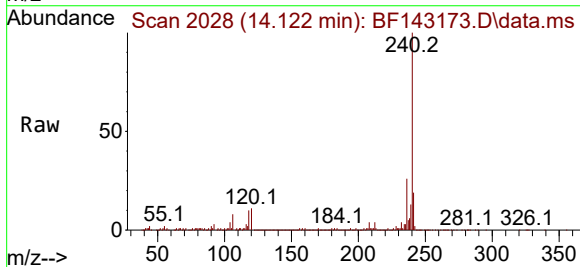
Instrument :
BNA_F
ClientSampleId :
MH 7-6

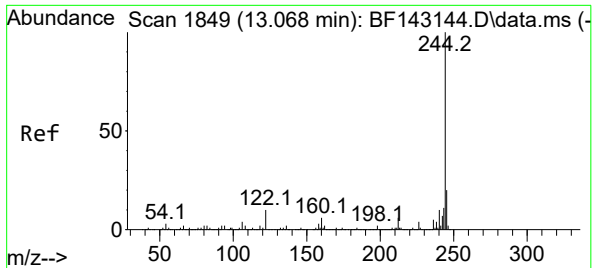
Tgt Ion:188 Resp: 301114
Ion Ratio Lower Upper
188 100
94 11.2 8.3 12.5
80 11.4 9.0 13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143173.D
Acq: 21 Jul 2025 15:58

Tgt Ion:240 Resp: 276030
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.7 20.2 30.4





#79

Terphenyl-d14

Concen: 41.585 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143173.D

Acq: 21 Jul 2025 15:58

Instrument :

BNA_F

ClientSampleId :

MH 7-6

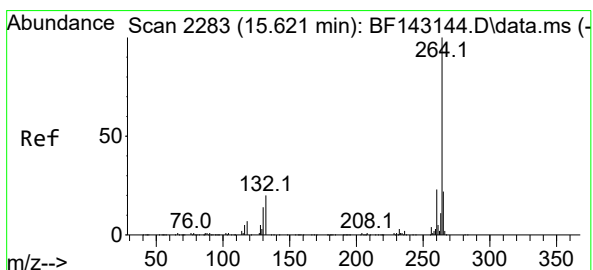
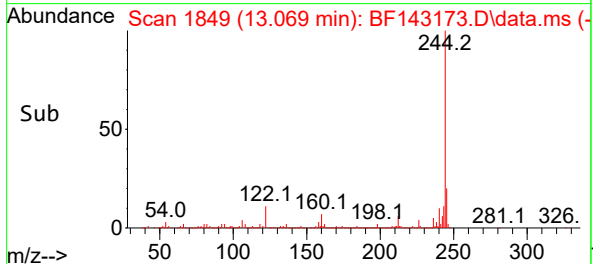
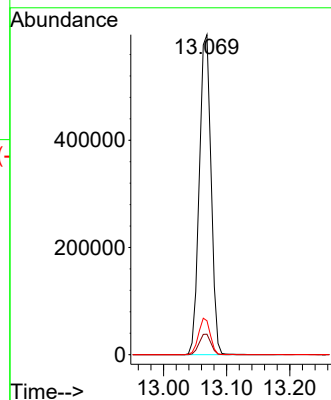
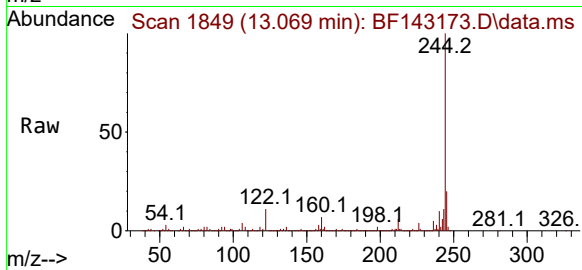
Tgt Ion:244 Resp: 771367

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.6 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143173.D

Acq: 21 Jul 2025 15:58

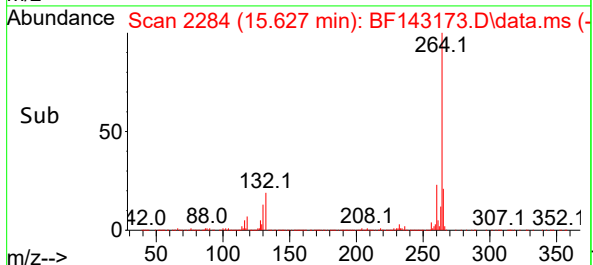
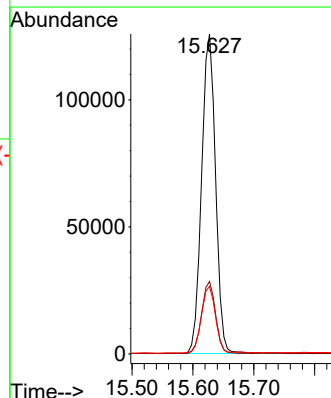
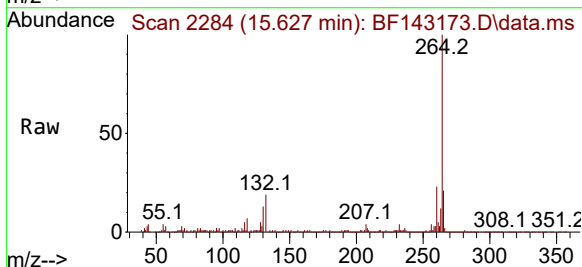
Tgt Ion:264 Resp: 199935

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.1 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143173.D
 Acq On : 21 Jul 2025 15:58
 Operator : RC/JU
 Sample : Q2651-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 7-6

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143173.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.299	11	18	26	rVB	618610	986660	38.17%	5.141%
2	5.193	503	510	523	rVB	176428	258404	10.00%	1.347%
3	5.587	571	577	582	rBV	1695875	2204136	85.27%	11.485%
4	6.581	739	746	751	rBV	1676204	2257880	87.35%	11.766%
5	6.963	805	811	816	rVB	622865	758261	29.33%	3.951%
6	7.516	899	905	910	rBV	1153623	1449370	56.07%	7.552%
7	8.240	1023	1028	1033	rBV	728351	931462	36.04%	4.854%
8	9.316	1205	1211	1216	rBV	2105356	2584850	100.00%	13.469%
9	9.998	1322	1327	1332	rBV	736503	893211	34.56%	4.654%
10	10.704	1442	1447	1452	rBV	159697	193556	7.49%	1.009%
11	10.781	1455	1460	1469	rBV	983320	1250603	48.38%	6.517%
12	11.016	1496	1500	1504	rVB	27900	34704	1.34%	0.181%
13	11.481	1574	1579	1587	rBV	598225	789226	30.53%	4.113%
14	12.004	1660	1668	1680	rBV	339769	525685	20.34%	2.739%
15	12.092	1680	1683	1694	rVB2	16457	38089	1.47%	0.198%
16	12.698	1781	1786	1791	rBV	27641	44424	1.72%	0.231%
17	12.786	1797	1801	1809	rBV	79558	126326	4.89%	0.658%
18	12.922	1820	1824	1832	rVB	46536	64443	2.49%	0.336%
19	13.069	1843	1849	1854	rBV	1579045	2083040	80.59%	10.854%
20	13.957	1996	2000	2010	rBV	176250	307252	11.89%	1.601%
21	14.122	2023	2028	2035	rBV	595691	798857	30.91%	4.163%
22	14.210	2040	2043	2050	rVB	40832	60188	2.33%	0.314%
23	15.627	2278	2284	2289	rBV	335461	550040	21.28%	2.866%

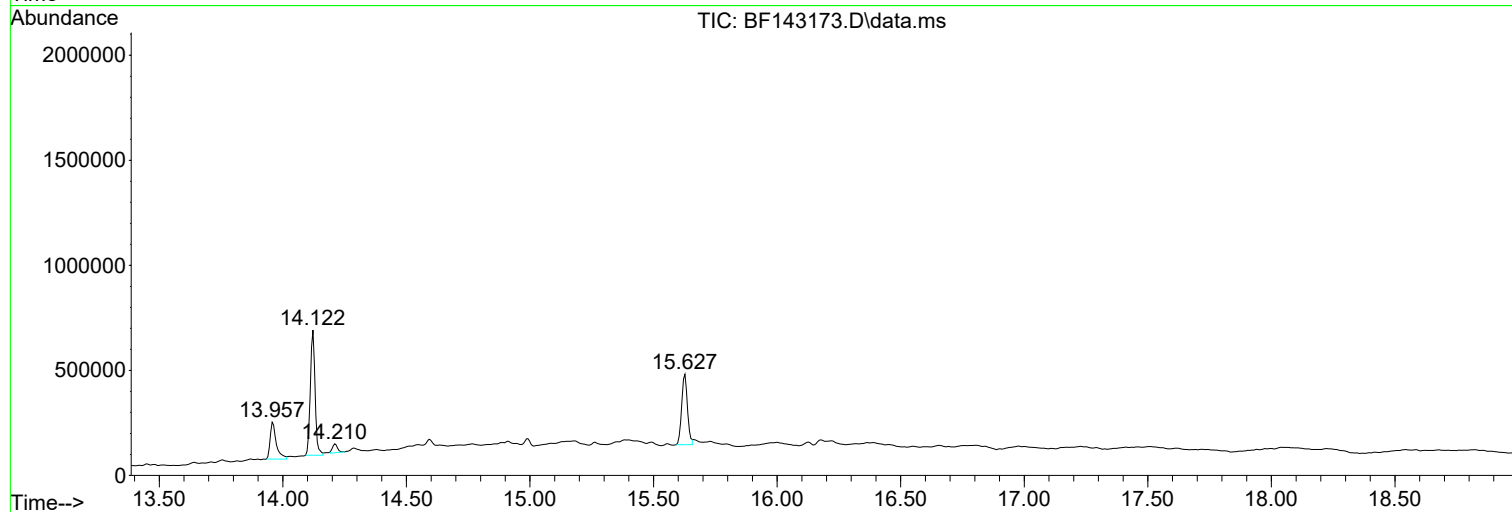
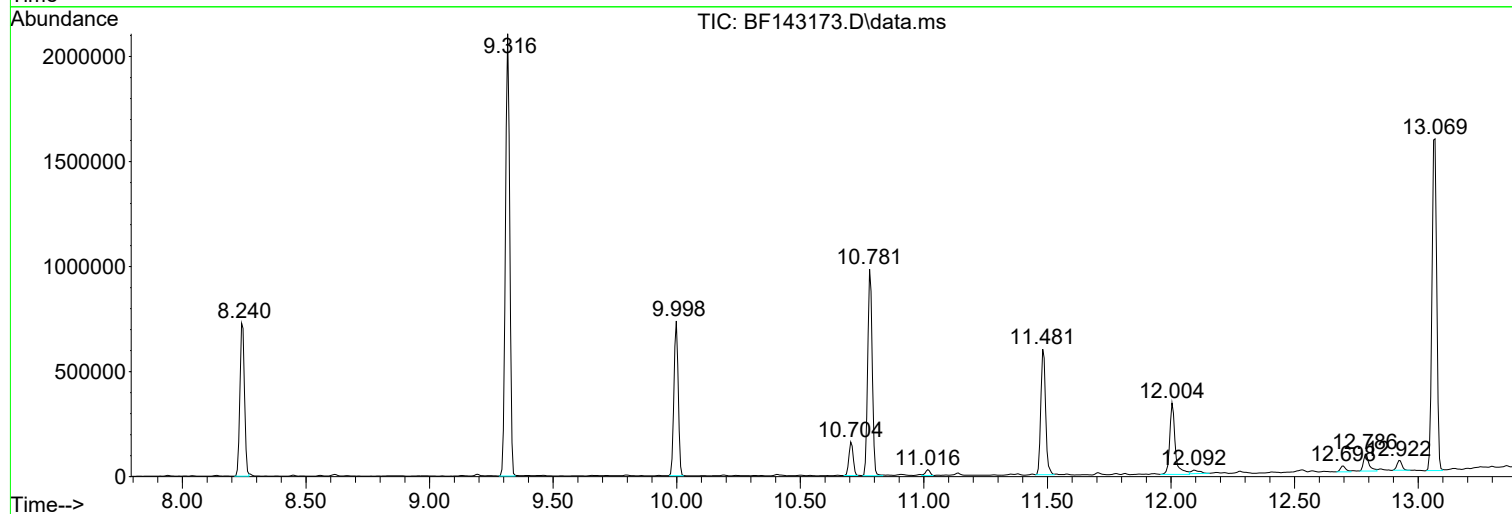
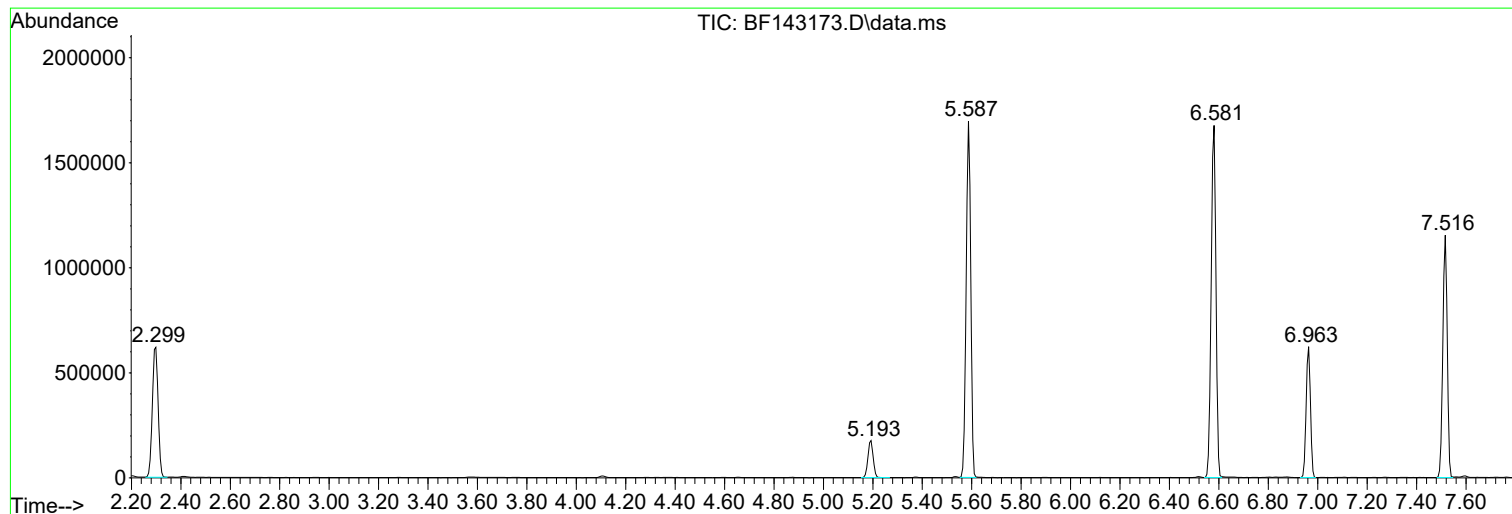
Sum of corrected areas: 19190667

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF0712125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

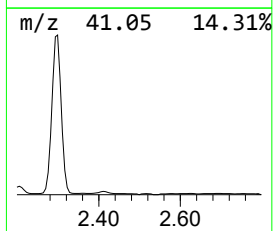
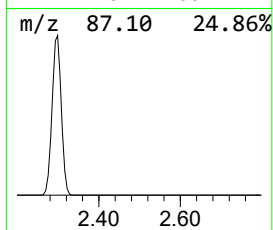
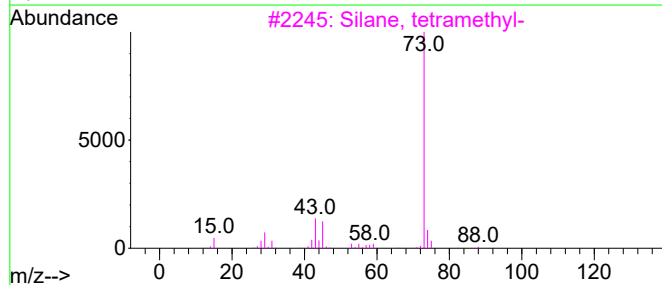
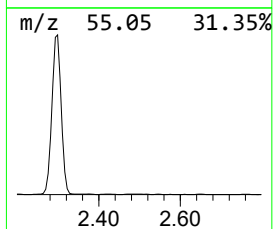
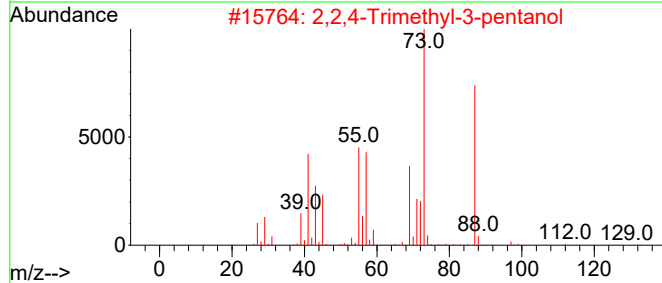
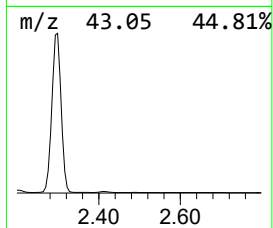
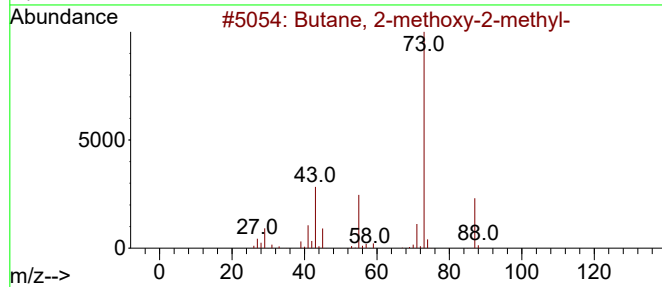
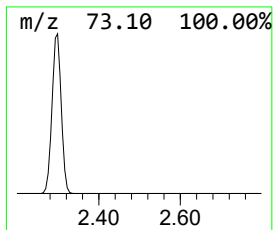
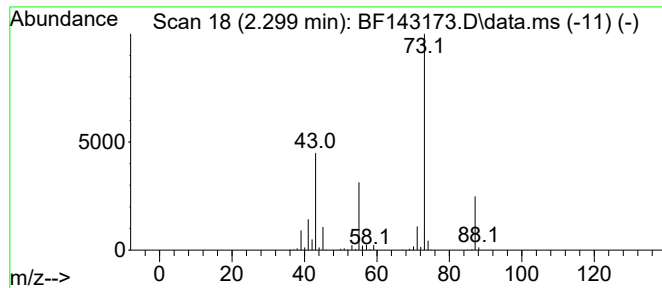
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.299	26.02 ng	986660	1,4-Dichlorobenzene-d4	6.963

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			Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

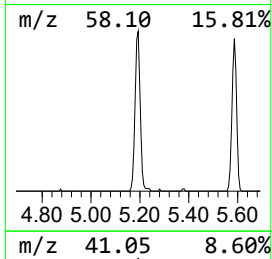
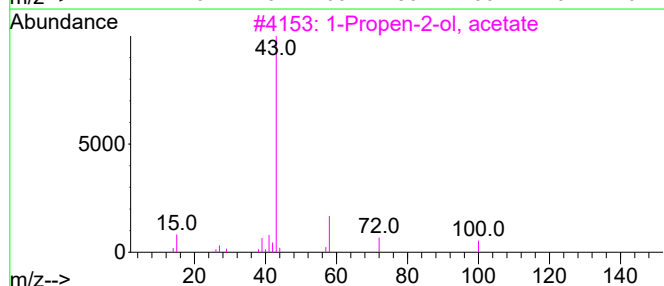
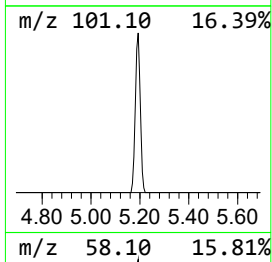
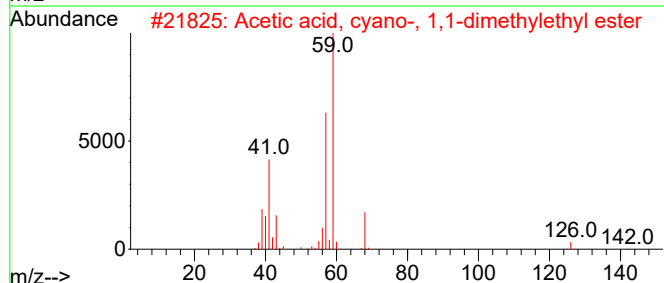
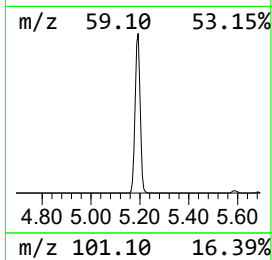
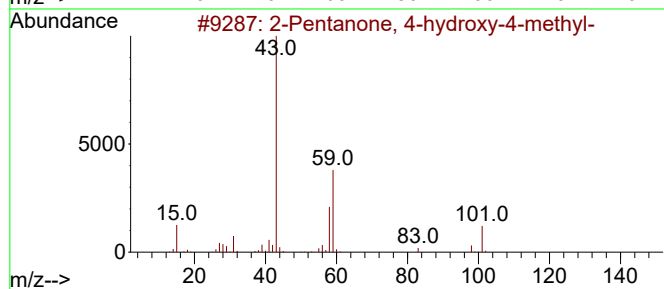
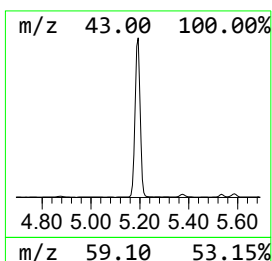
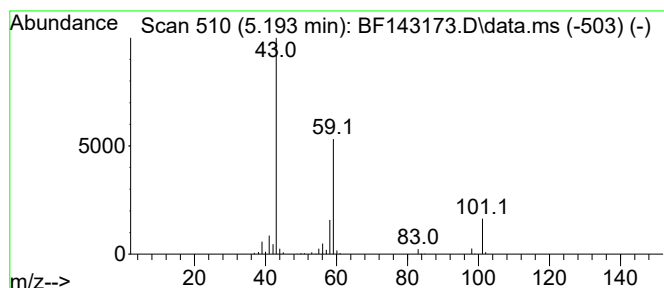
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.193	6.82 ng	258404	1,4-Dichlorobenzene-d4	6.963

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	25
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5		Butane	58	C4H10	000106-97-8	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

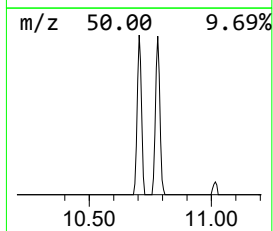
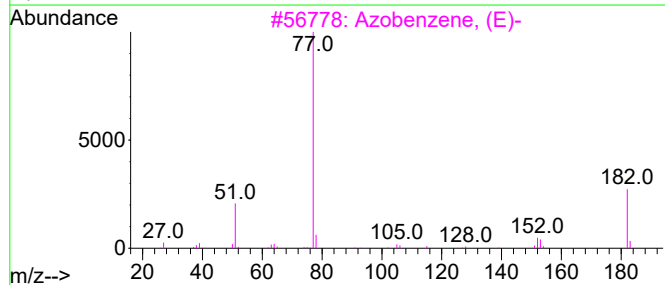
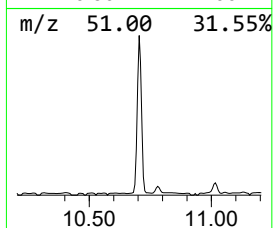
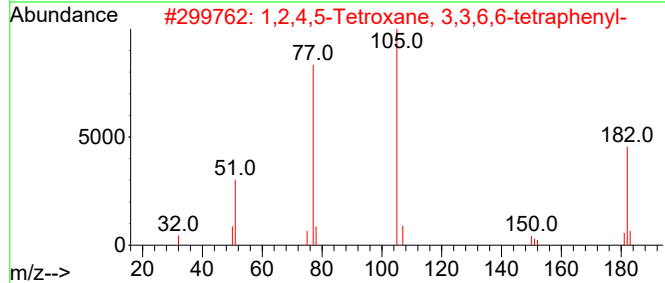
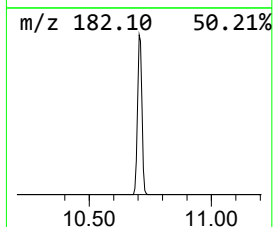
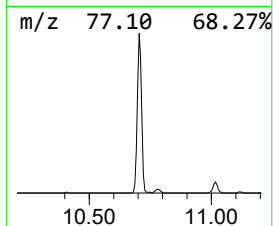
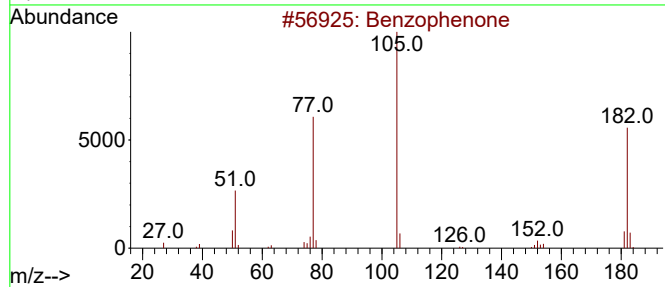
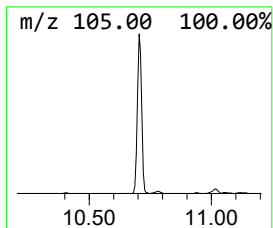
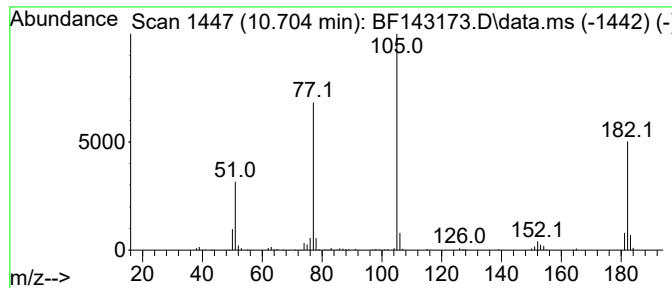
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	4.33 ng	193556	Acenaphthene-d10	9.998

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			Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
4			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	58
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

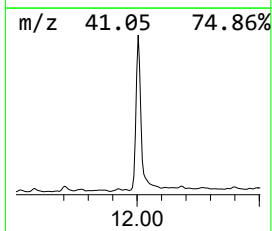
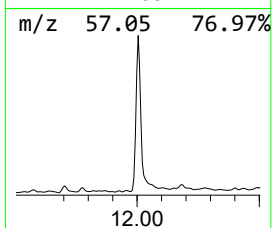
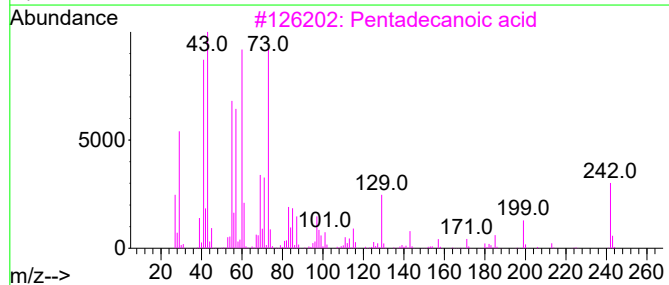
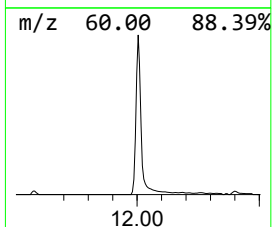
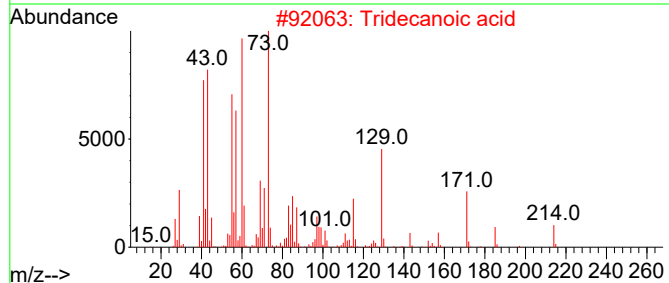
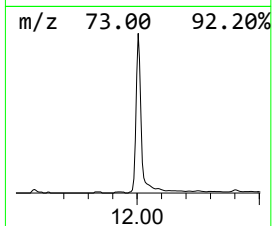
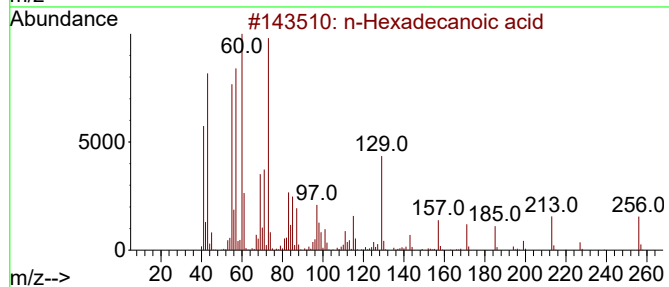
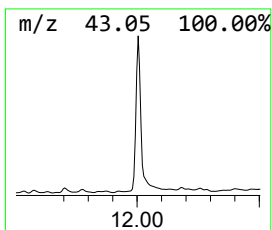
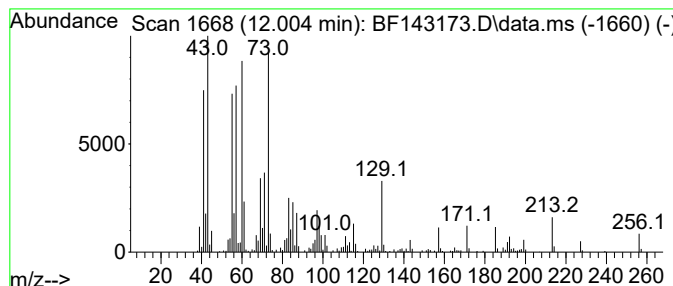
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	13.32 ng	525685	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

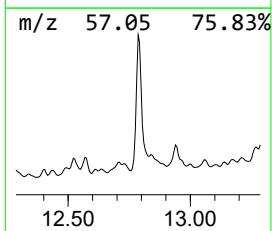
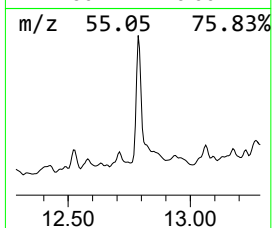
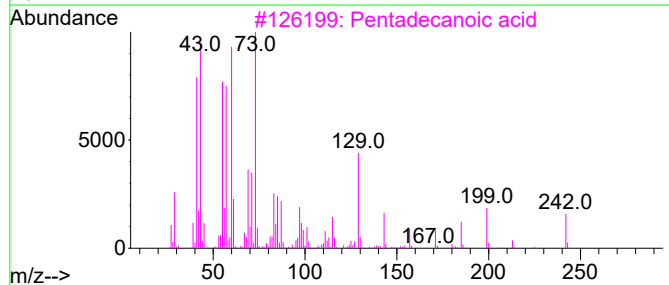
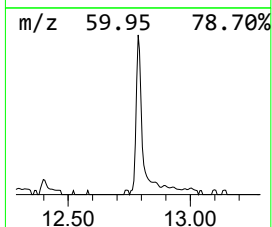
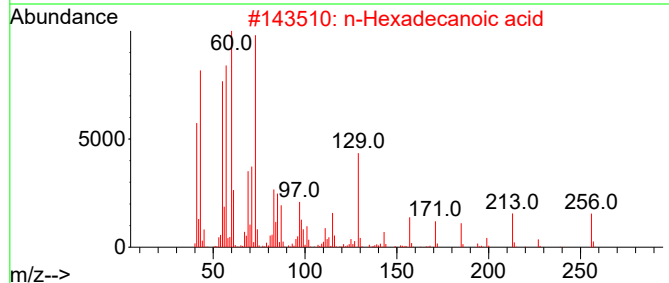
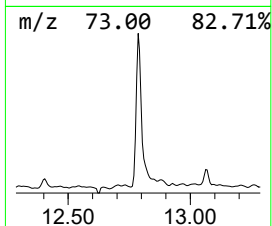
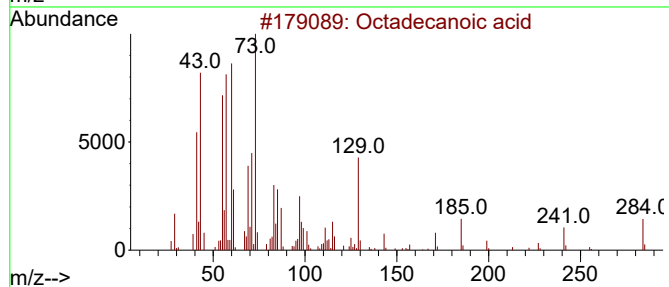
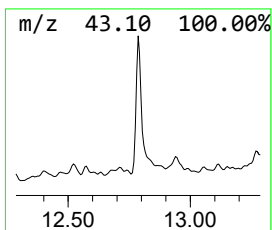
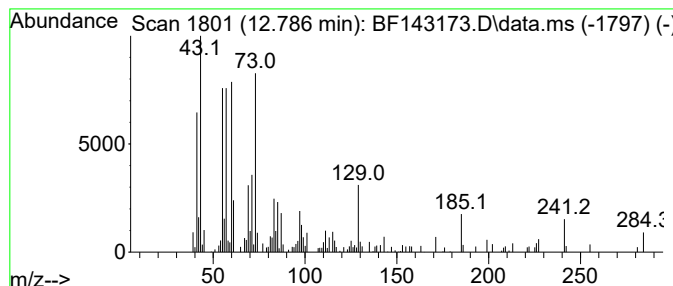
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	3.20 ng	126326	Phenanthrene-d10	11.480

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	81
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			Tridecanoic acid	214	C13H26O2	000638-53-9	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

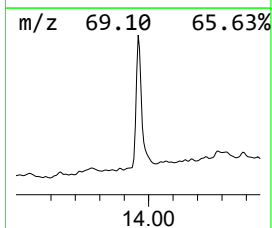
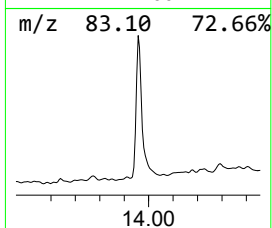
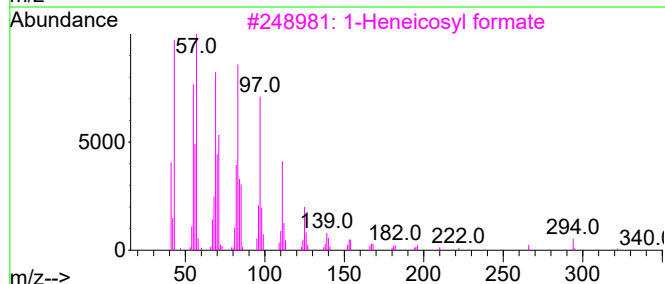
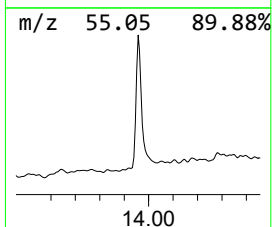
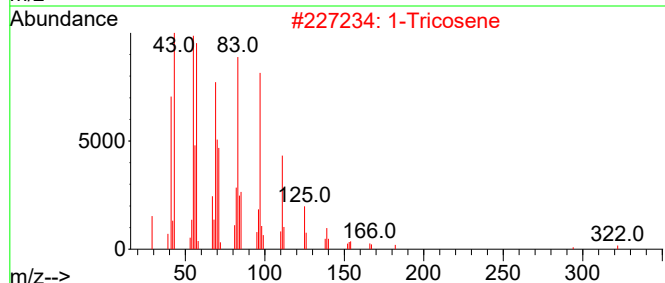
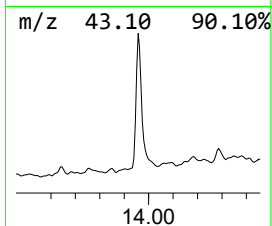
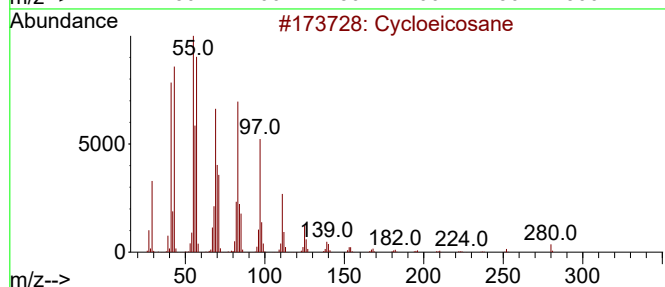
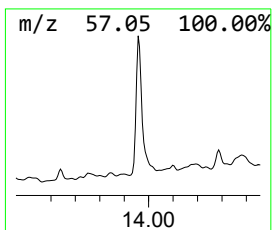
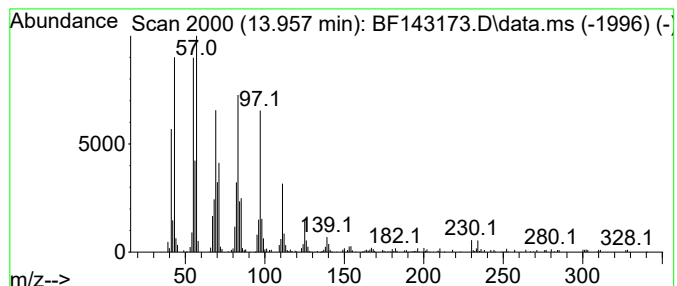
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cycloeicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.957	7.69 ng	307252	Chrysene-d12	14.121

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloeicosane	280	C20H40	000296-56-0	97
2			1-Tricosene	322	C23H46	018835-32-0	95
3			1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
4			1-Heptadecene	238	C17H34	006765-39-5	94
5			Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143173.D
Acq On : 21 Jul 2025 15:58
Operator : RC/JU
Sample : Q2651-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 7-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.299	26.0	ng	986660	1	6.963	758261	20.0
2-Pentanone, 4-...	5.193	6.8	ng	258404	1	6.963	758261	20.0
Benzophenone	10.704	4.3	ng	193556	3	9.998	893211	20.0
n-Hexadecanoic ...	12.004	13.3	ng	525685	4	11.480	789226	20.0
Octadecanoic acid	12.786	3.2	ng	126326	4	11.480	789226	20.0
Cycloeicosane	13.957	7.7	ng	307252	5	14.121	798857	20.0

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.3	U	23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.7	U	25.7	180	ug/Kg
95-57-8	2-Chlorophenol	25.8	U	25.8	180	ug/Kg
95-48-7	2-Methylphenol	31.6	U	31.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.6	U	39.6	180	ug/Kg
98-86-2	Acetophenone	31.1	U	31.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.4	U	43.4	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.0	U	50.0	84.5	ug/Kg
67-72-1	Hexachloroethane	18.6	U	18.6	180	ug/Kg
98-95-3	Nitrobenzene	19.3	U	19.3	180	ug/Kg
78-59-1	Isophorone	34.6	U	34.6	180	ug/Kg
88-75-5	2-Nitrophenol	61.4	U	61.4	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.4	U	68.4	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.5	U	32.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.9	U	29.9	180	ug/Kg
91-20-3	Naphthalene	24.0	U	24.0	180	ug/Kg
106-47-8	4-Chloroaniline	37.4	U	37.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.7	U	26.7	180	ug/Kg
105-60-2	Caprolactam	55.0	U	55.0	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.3	U	30.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.0	U	27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.9	U	20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.7	U	30.7	180	ug/Kg
92-52-4	1,1-Biphenyl	23.0	U	23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.8	U	23.8	180	ug/Kg
88-74-4	2-Nitroaniline	50.8	U	50.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.6	U	28.6	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.5	U	30.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.5	U	35.5	180	ug/Kg
99-09-2	3-Nitroaniline	48.6	U	48.6	180	ug/Kg
83-32-9	Acenaphthene	22.5	U	22.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.0	U	24.0	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.9	U	52.9	180	ug/Kg
84-66-2	Diethylphthalate	29.9	U	29.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.2	U	28.2	180	ug/Kg
86-73-7	Fluorene	26.7	U	26.7	180	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.7	U	34.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.3	U	29.3	180	ug/Kg
118-74-1	Hexachlorobenzene	26.7	U	26.7	180	ug/Kg
1912-24-9	Atrazine	35.9	U	35.9	180	ug/Kg
87-86-5	Pentachlorophenol	54.2	UQ	54.2	350	ug/Kg
85-01-8	Phenanthrene	22.1	U	22.1	180	ug/Kg
120-12-7	Anthracene	35.2	U	35.2	180	ug/Kg
86-74-8	Carbazole	32.9	U	32.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	180	ug/Kg
206-44-0	Fluoranthene	31.7	U	31.7	180	ug/Kg
129-00-0	Pyrene	38.0	U	38.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.4	UQ	75.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.7	U	38.7	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.3	U	24.3	180	ug/Kg
218-01-9	Chrysene	21.0	U	21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.5	U	62.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.6	U	91.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.1	U	20.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.6	U	23.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.1	U	31.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.7	U	30.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.9	U	28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.1	U	27.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.0	U	27.0	180	ug/Kg
123-91-1	1,4-Dioxane	47.7	U	47.7	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.9	U	28.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	69.6		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	71.8		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.8		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.5		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	39.4		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	142000	6.963
1146-65-2	Naphthalene-d8	527000	8.239
15067-26-2	Acenaphthene-d10	244000	9.998
1517-22-2	Phenanthrene-d10	323000	11.48
1719-03-5	Chrysene-d12	273000	14.121
1520-96-3	Perylene-d12	186000	15.621

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	860	J	2.31	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB	5.19	ug/Kg
000119-61-9	Benzophenone	150	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	82.3	J	12.8	ug/Kg
000296-56-0	Cycloeicosane	280	J	14.0	ug/Kg
007683-64-9	Supraene	91.8	J	15.0	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 8-7	SDG No.:	Q2651
Lab Sample ID:	Q2651-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	94.6
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
BF143174.D	1	07/21/25 09:30	07/21/25 16:28	PB168929

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\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

Quant Time: Jul 21 16:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	141875	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	527265	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	244037	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	323422	20.000	ng	0.00
76) Chrysene-d12	14.121	240	273124	20.000	ng	0.00
86) Perylene-d12	15.621	264	185637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	623567	69.552	ng	0.00
7) Phenol-d6	6.581	99	810797	71.849	ng	0.00
23) Nitrobenzene-d5	7.516	82	494221	46.723	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	162731	64.549	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	942986	52.846	ng	0.00
79) Terphenyl-d14	13.069	244	722517	39.366	ng	0.00

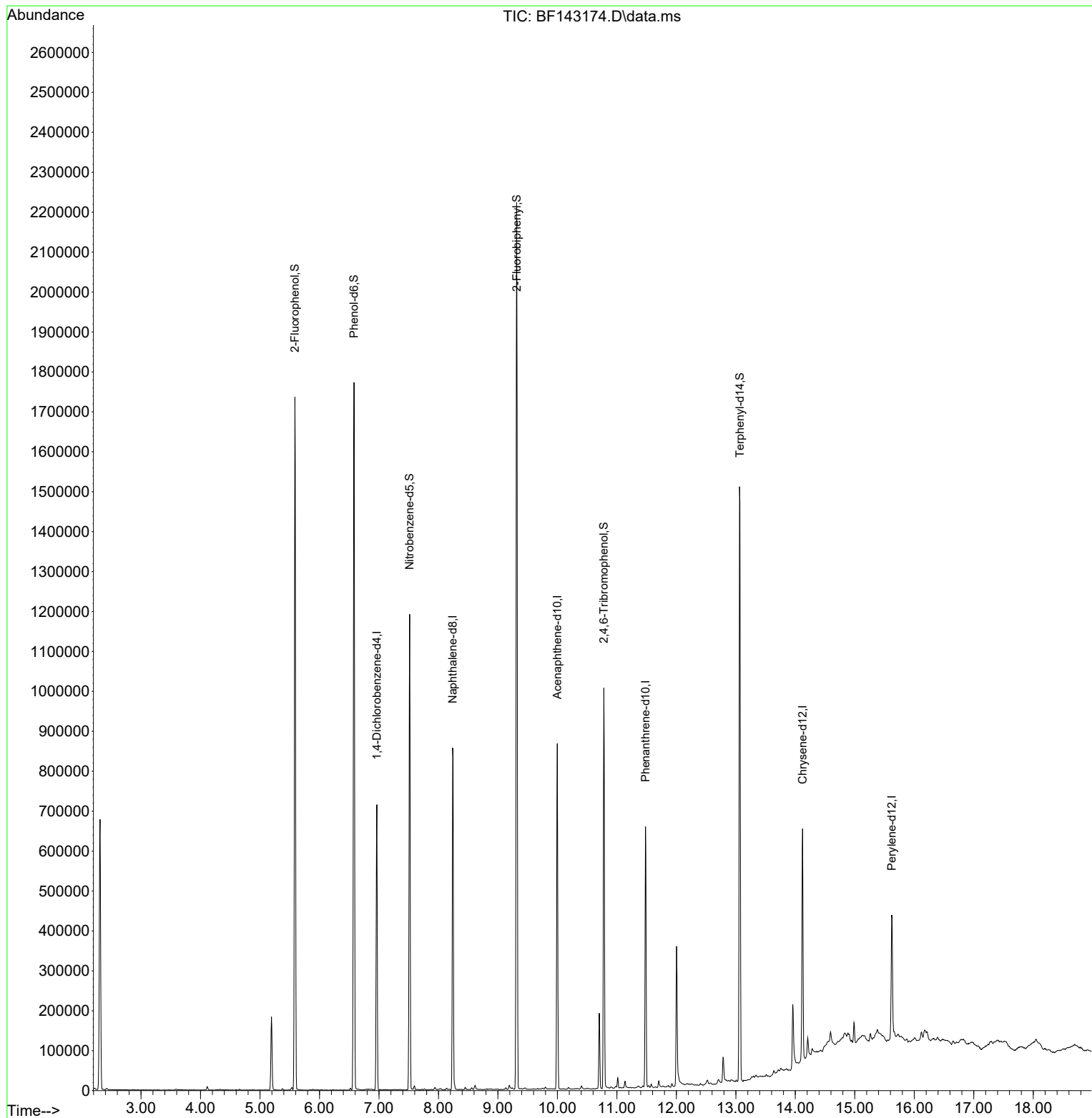
Target Compounds	Qvalue

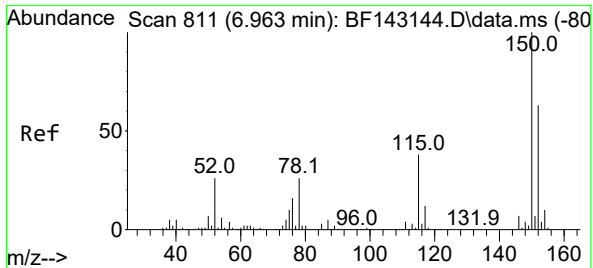
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

Quant Time: Jul 21 16:49:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

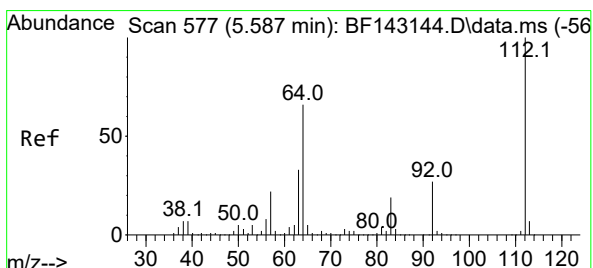
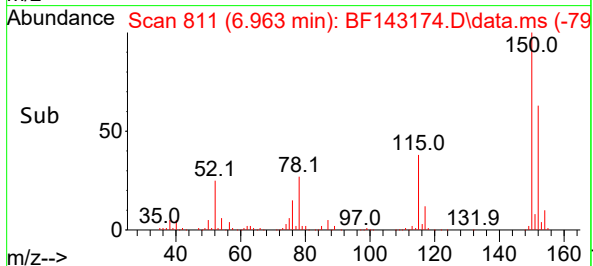
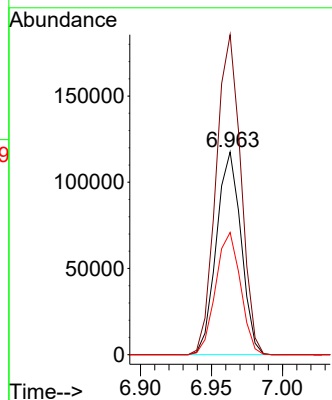
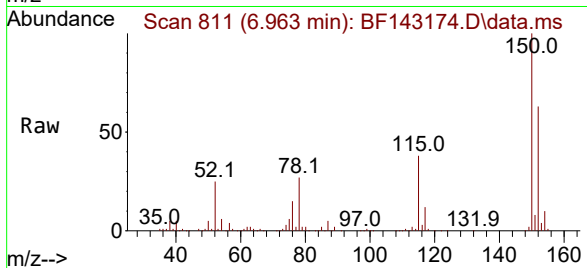




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

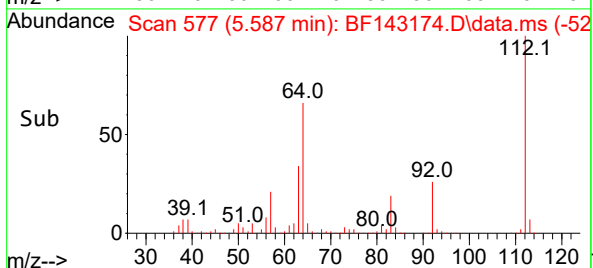
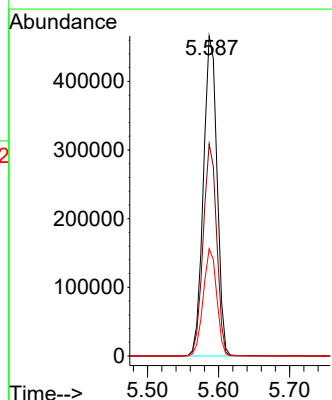
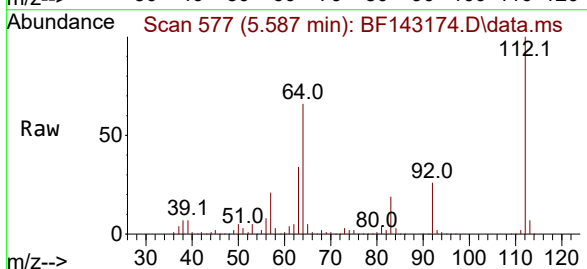
Instrument :
BNA_F
ClientSampleId :
MH 8-7

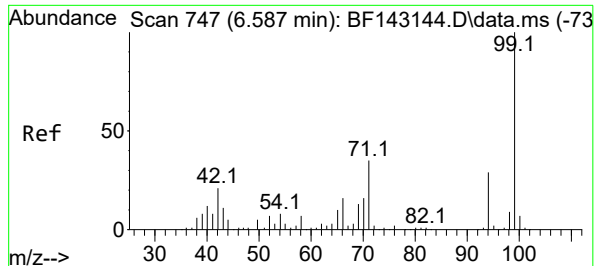
Tgt Ion:152 Resp: 141875
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.3 47.9 71.9



#5
2-Fluorophenol
Concen: 69.552 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion:112 Resp: 623567
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.5 26.6 40.0

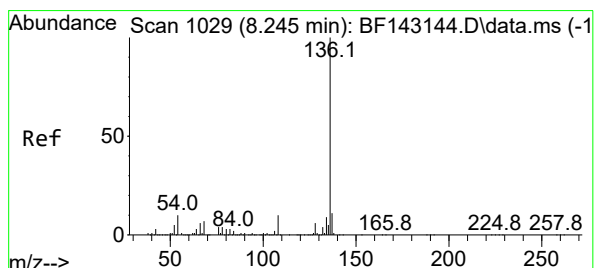
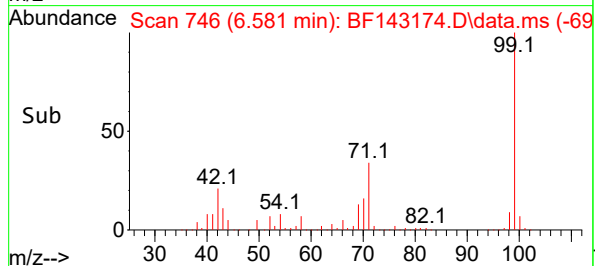
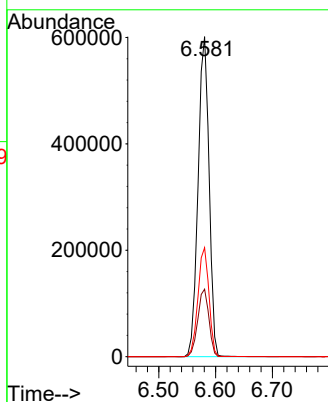
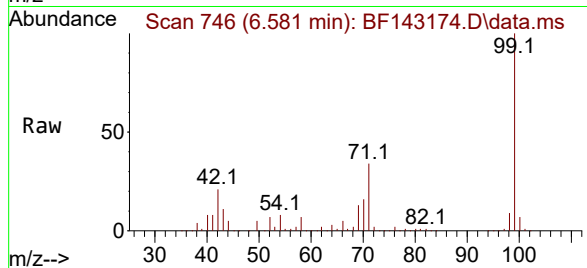




#7
Phenol-d6
Concen: 71.849 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

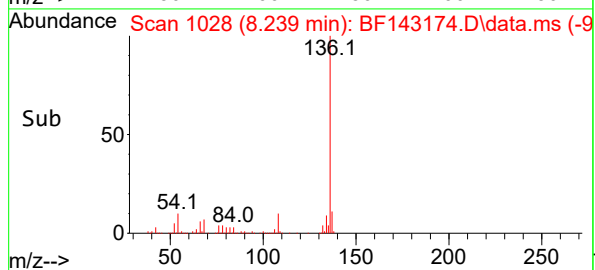
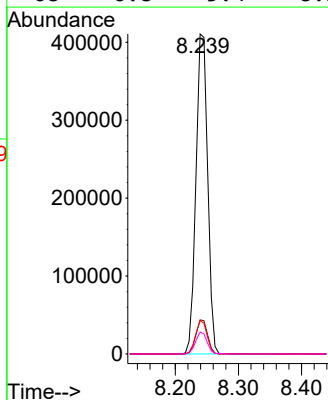
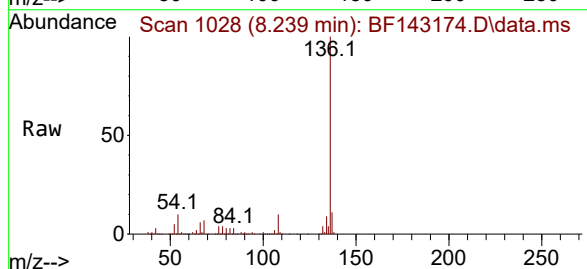
Instrument :
BNA_F
ClientSampleId :
MH 8-7

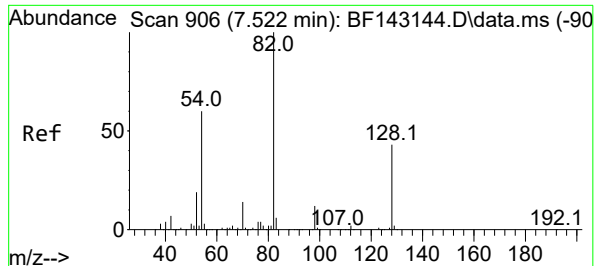
Tgt Ion: 99 Resp: 810797
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143174.D
Acq: 21 Jul 2025 16:28

Tgt Ion: 136 Resp: 527265
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.5 8.2 12.2
68 6.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 46.723 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

Instrument :

BNA_F

ClientSampleId :

MH 8-7

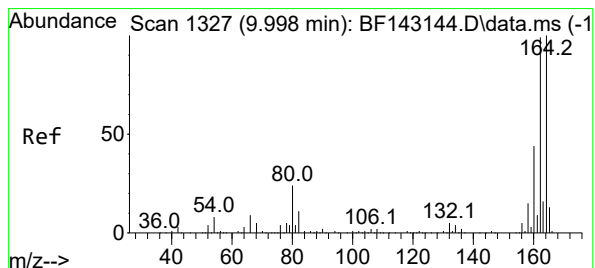
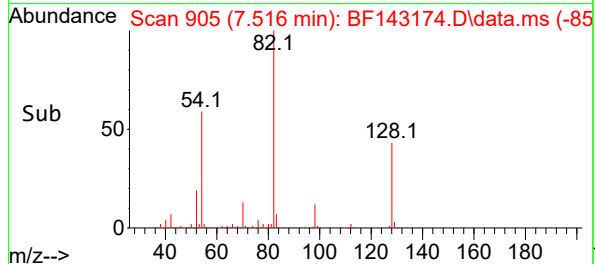
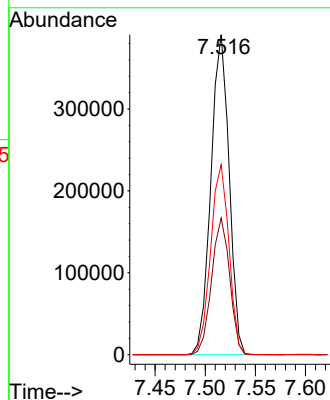
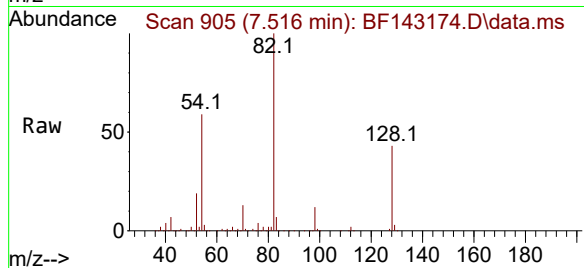
Tgt Ion: 82 Resp: 494221

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 59.4 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

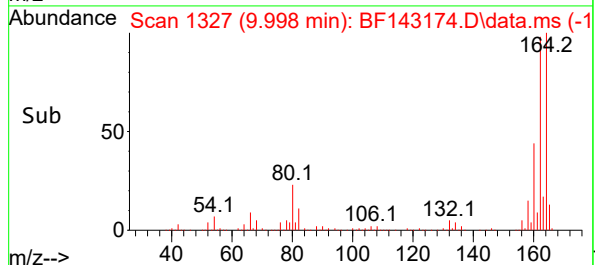
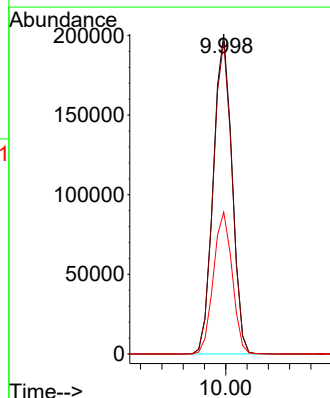
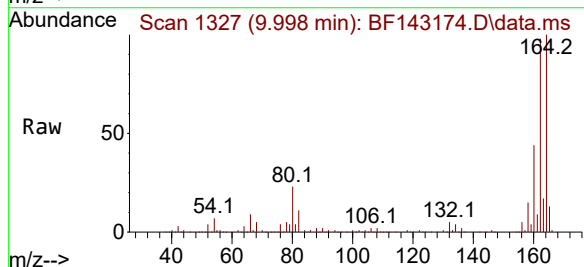
Tgt Ion:164 Resp: 244037

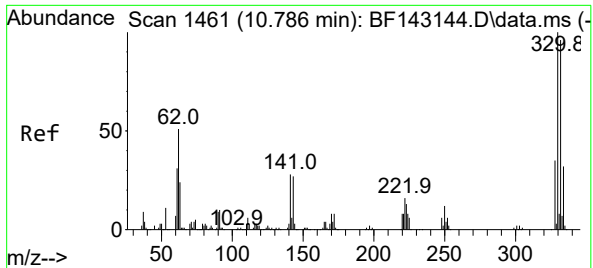
Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 64.549 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143174.D

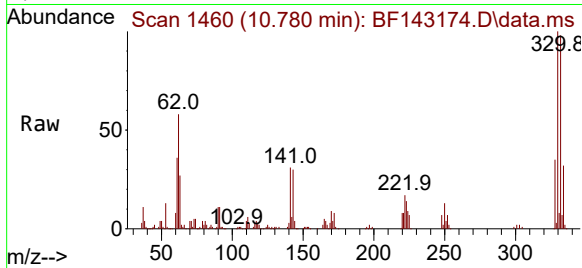
Acq: 21 Jul 2025 16:28

Instrument :

BNA_F

ClientSampleId :

MH 8-7



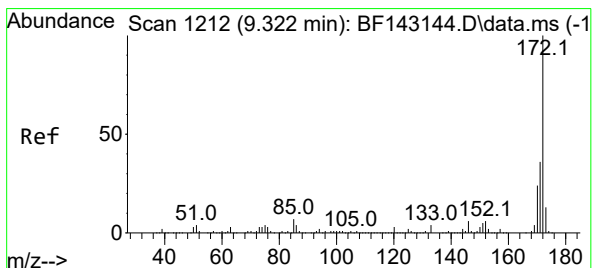
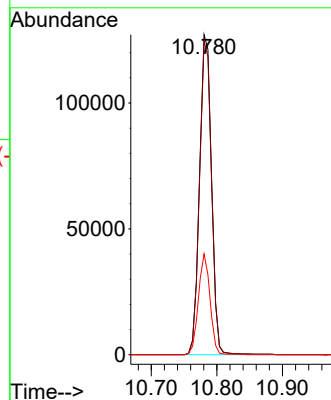
Tgt Ion:330 Resp: 162731

Ion Ratio Lower Upper

330 100

332 97.6 76.7 115.1

141 30.2 23.3 34.9



#45

2-Fluorobiphenyl

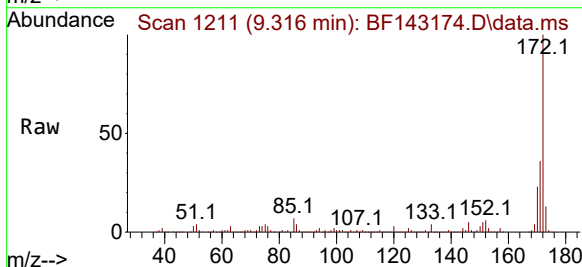
Concen: 52.846 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28



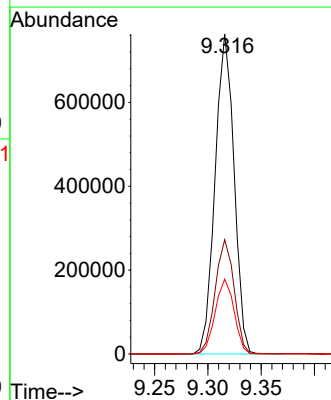
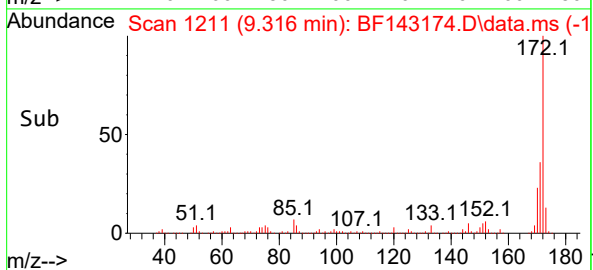
Tgt Ion:172 Resp: 942986

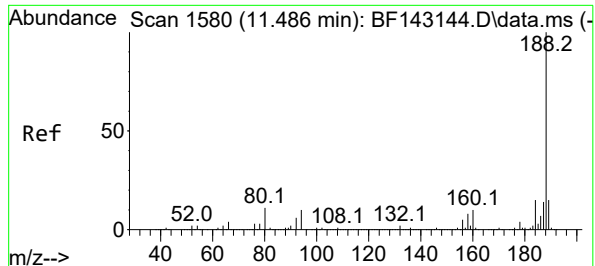
Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

170 23.4 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

Instrument :

BNA_F

ClientSampleId :

MH 8-7

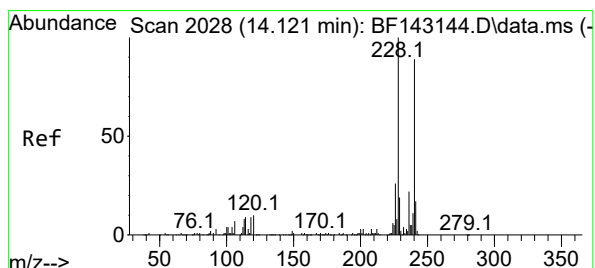
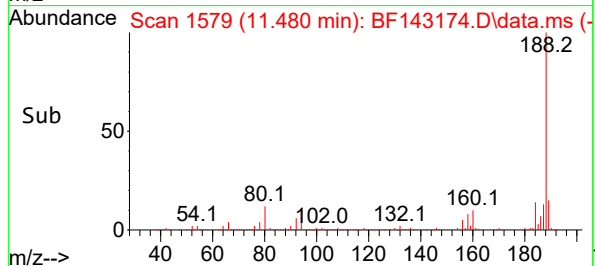
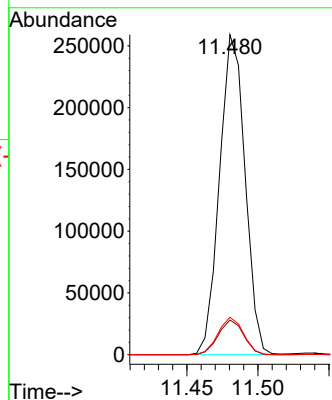
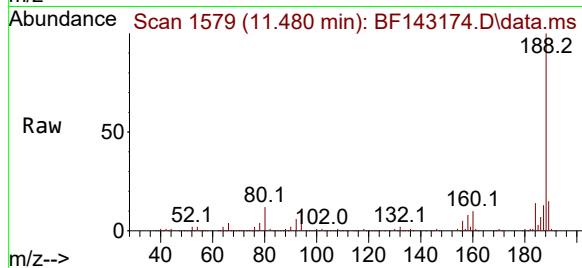
Tgt Ion:188 Resp: 323422

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.7 9.0 13.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

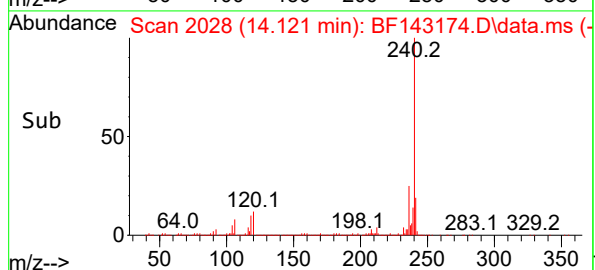
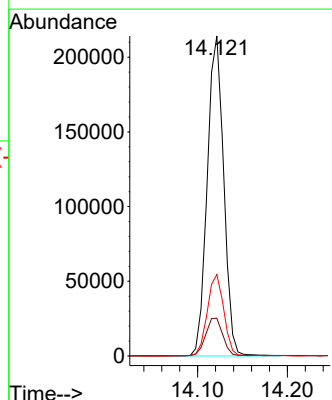
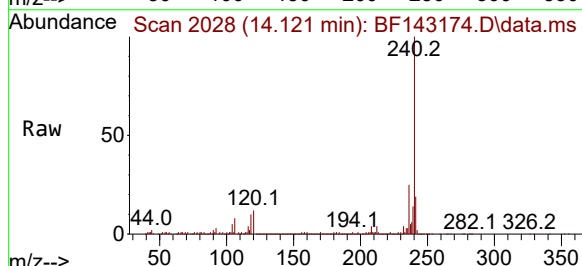
Tgt Ion:240 Resp: 273124

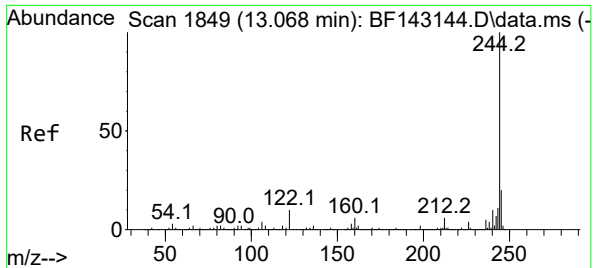
Ion Ratio Lower Upper

240 100

120 11.8 9.4 14.2

236 25.5 20.2 30.4





#79

Terphenyl-d14

Concen: 39.366 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

Instrument :

BNA_F

ClientSampleId :

MH 8-7

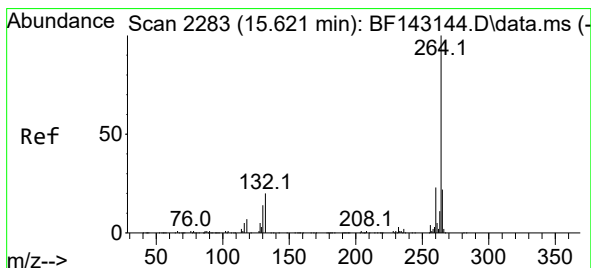
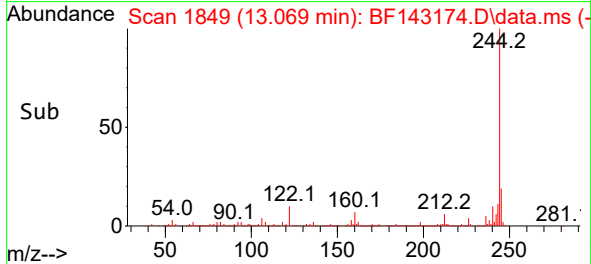
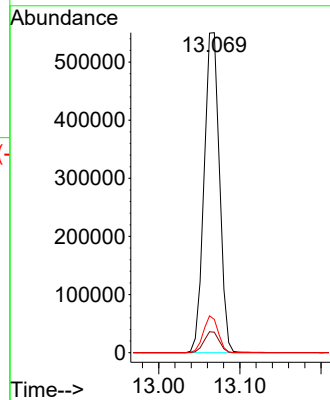
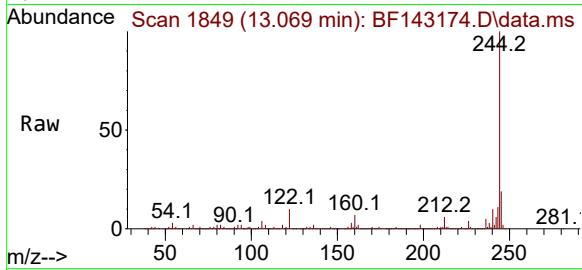
Tgt Ion:244 Resp: 722517

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.4 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143174.D

Acq: 21 Jul 2025 16:28

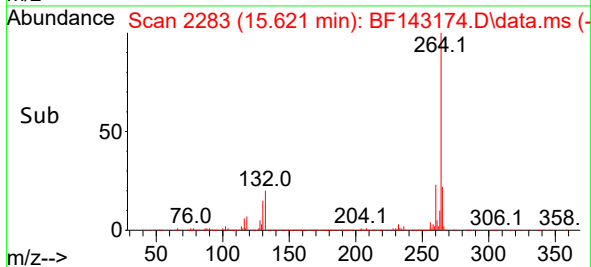
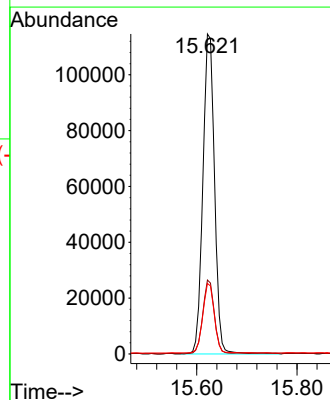
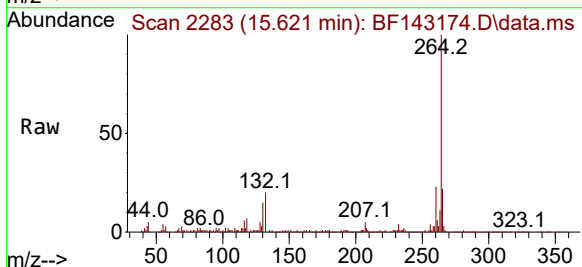
Tgt Ion:264 Resp: 185637

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.0 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143174.D
 Acq On : 21 Jul 2025 16:28
 Operator : RC/JU
 Sample : Q2651-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 8-7

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143174.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	12	20	27	rBV	676568	1059032	38.51%	5.319%
2	5.193	504	510	519	rBV	183250	264866	9.63%	1.330%
3	5.587	571	577	583	rBV	1734909	2300539	83.66%	11.554%
4	6.581	739	746	751	rBV	1772277	2393874	87.06%	12.023%
5	6.963	805	811	816	rVB	714409	870319	31.65%	4.371%
6	7.516	899	905	910	rBV	1190573	1510708	54.94%	7.587%
7	8.239	1023	1028	1033	rBV	855787	1096426	39.87%	5.506%
8	9.316	1205	1211	1216	rBV	2219842	2749730	100.00%	13.810%
9	9.998	1321	1327	1332	rBV	865546	1056588	38.43%	5.306%
10	10.704	1442	1447	1452	rBV	188320	226147	8.22%	1.136%
11	10.780	1455	1460	1470	rBV	1004163	1260943	45.86%	6.333%
12	11.016	1496	1500	1504	rVB	24871	30465	1.11%	0.153%
13	11.480	1574	1579	1585	rBV	651303	813800	29.60%	4.087%
14	11.704	1612	1617	1625	rBV2	16859	29064	1.06%	0.146%
15	12.004	1662	1668	1686	rBV	350911	530640	19.30%	2.665%
16	12.786	1797	1801	1809	rBV	62750	95324	3.47%	0.479%
17	13.063	1843	1848	1854	rBV	1489264	1943462	70.68%	9.761%
18	13.957	1996	2000	2011	rBV	160642	298153	10.84%	1.497%
19	14.121	2023	2028	2035	rBV	576376	745973	27.13%	3.746%
20	14.210	2039	2043	2052	rVV	45449	74333	2.70%	0.373%
21	14.986	2172	2175	2180	rVB	50228	64710	2.35%	0.325%
22	15.621	2278	2283	2289	rBV	308793	496393	18.05%	2.493%

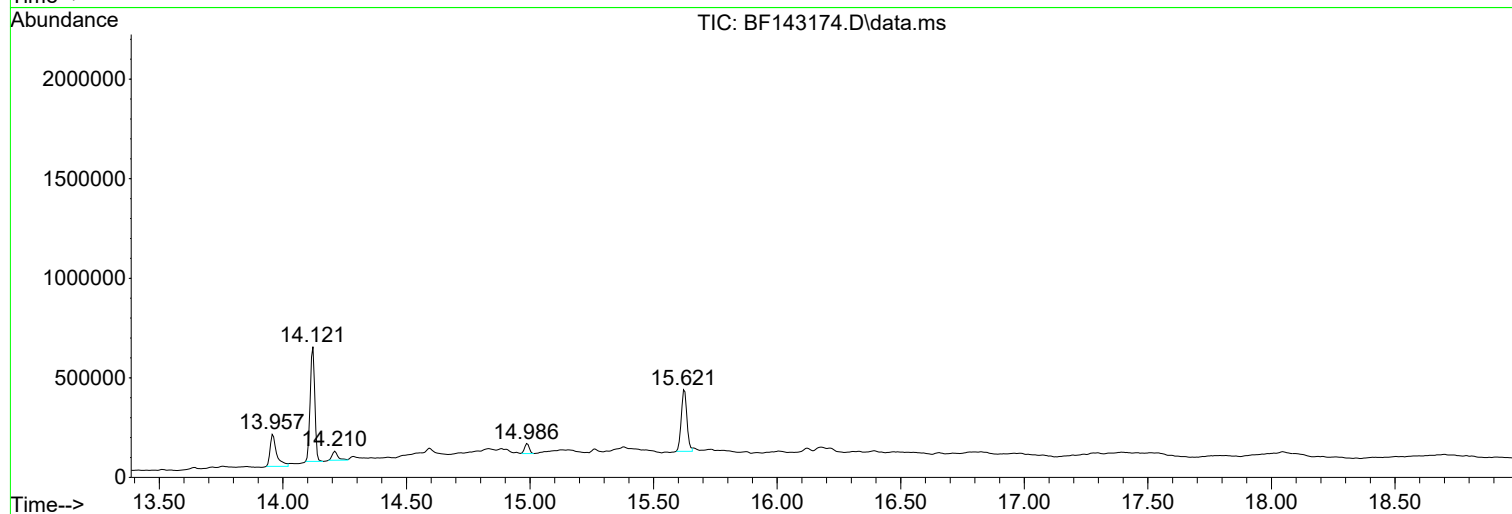
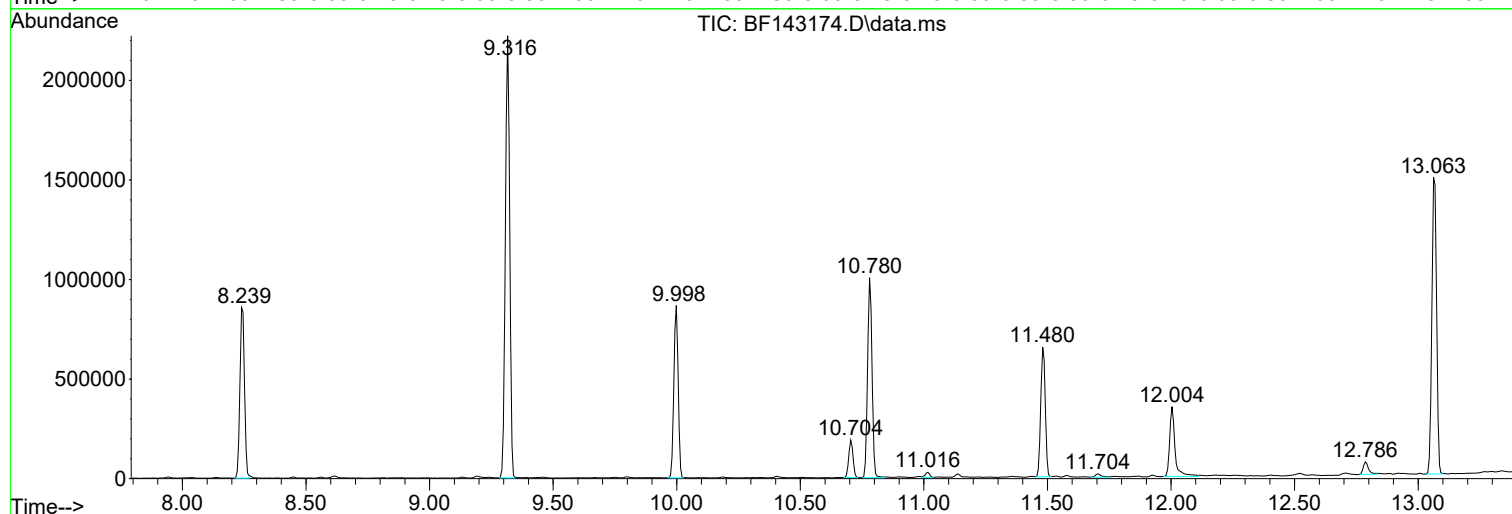
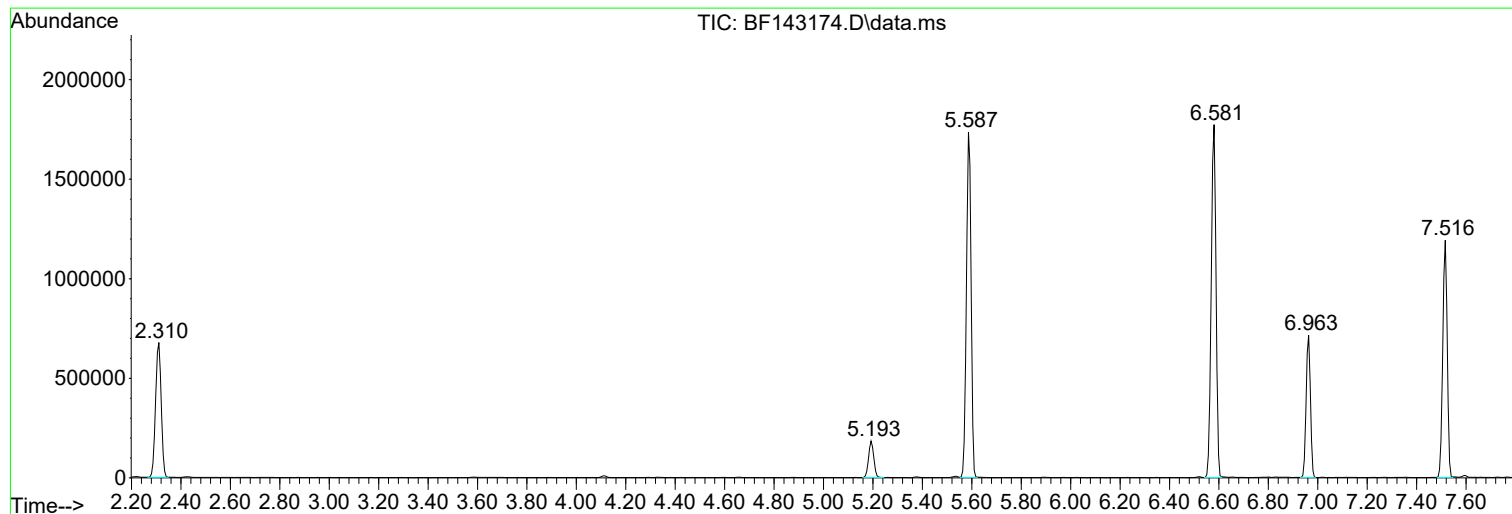
Sum of corrected areas: 19911489

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

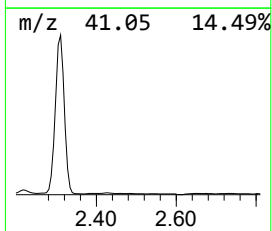
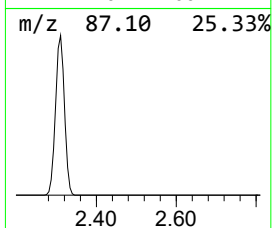
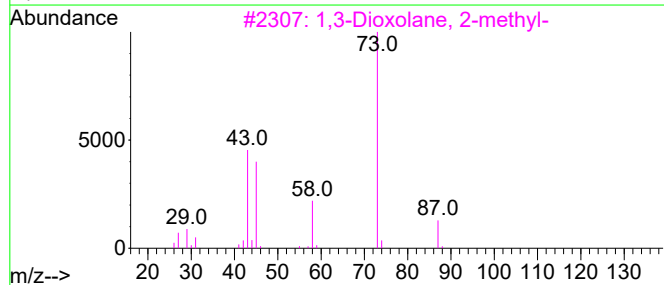
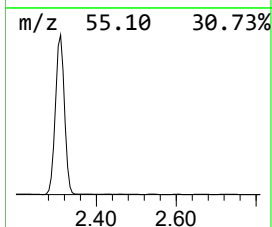
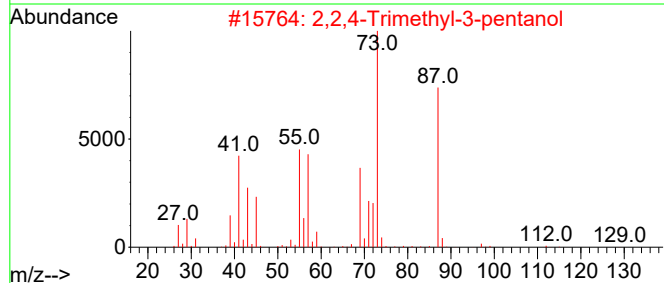
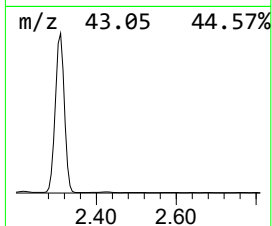
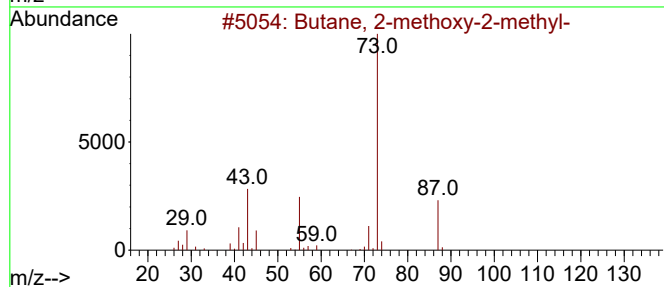
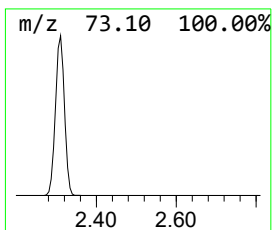
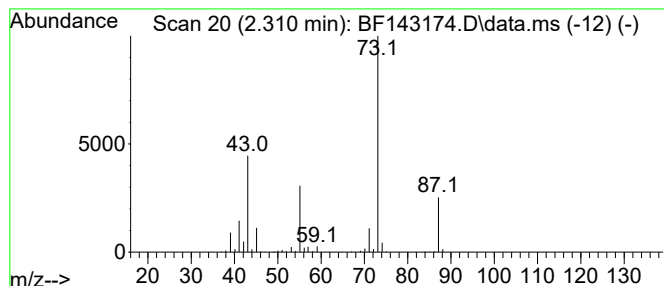
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.310	24.34 ng	1059030	1,4-Dichlorobenzene-d4	6.963

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			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

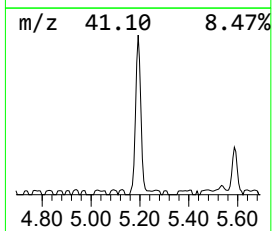
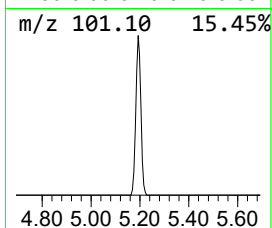
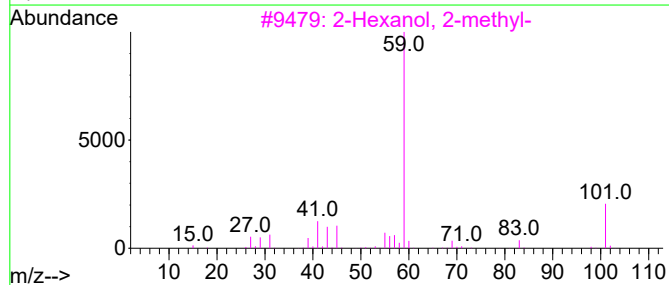
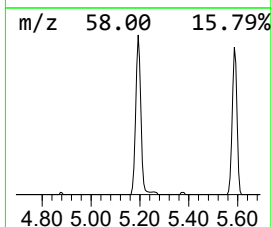
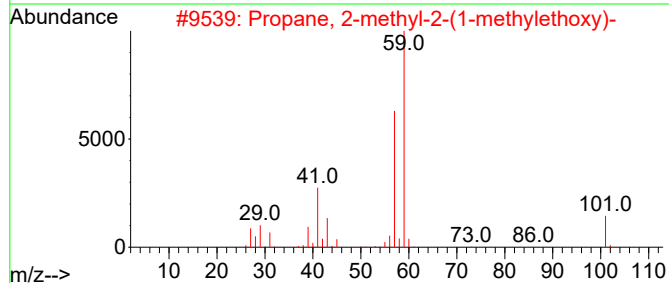
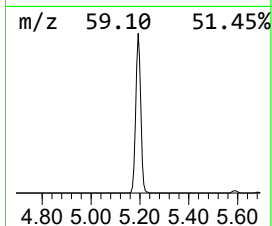
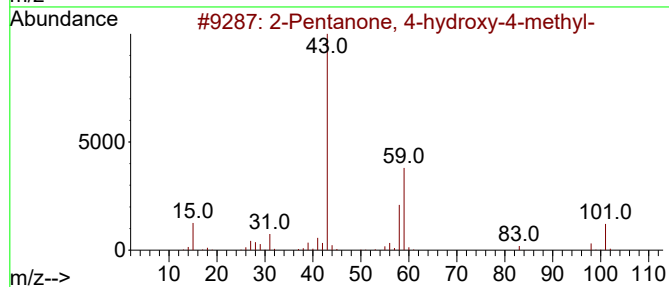
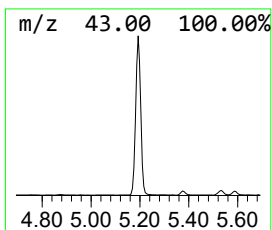
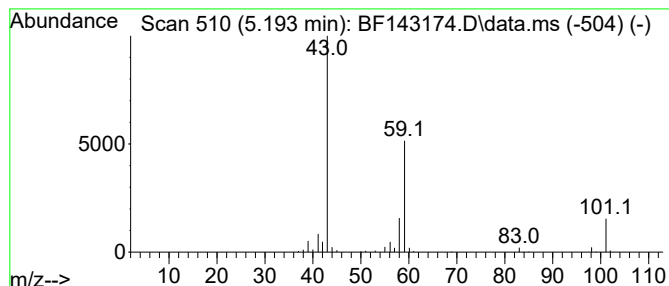
Instrument :
BNA_F
ClientSampleId :
MH 8-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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 4

R.T.	EstConc	Area	Relative to ISTD			R.T.
5.193	6.09 ng	264866	1,4-Dichlorobenzene-d4			6.963
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	36
3	2-Hexanol, 2-methyl-		116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-		116	C7H16O	000615-29-2	33
5	Acetic acid, 1,1-dimethylethyl e...		116	C6H12O2	000540-88-5	28



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

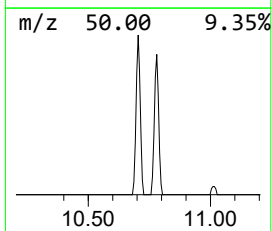
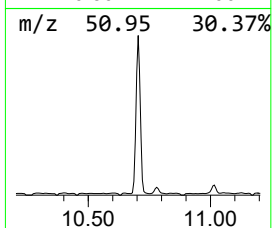
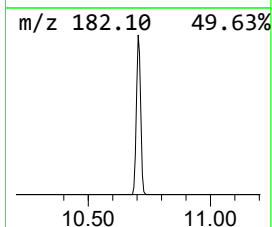
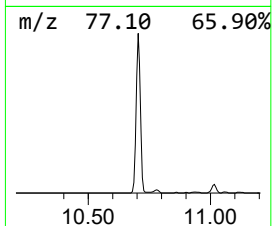
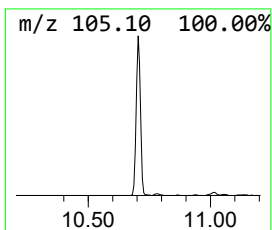
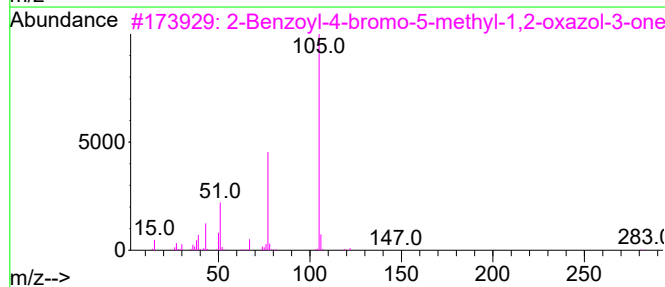
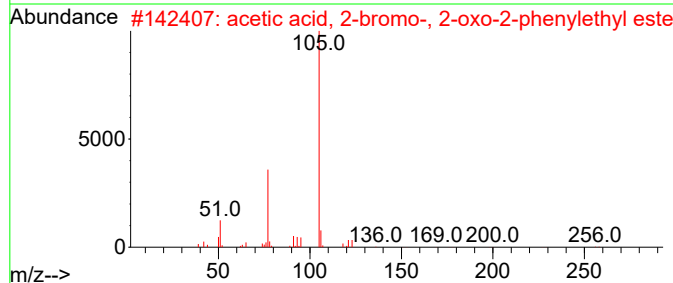
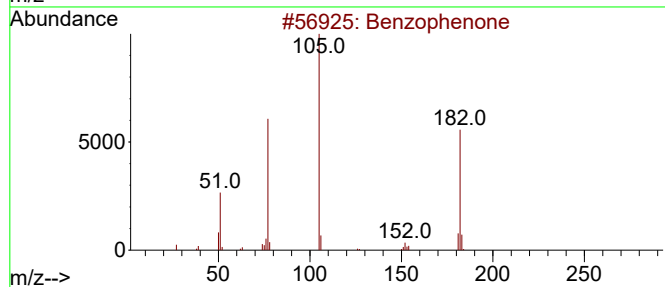
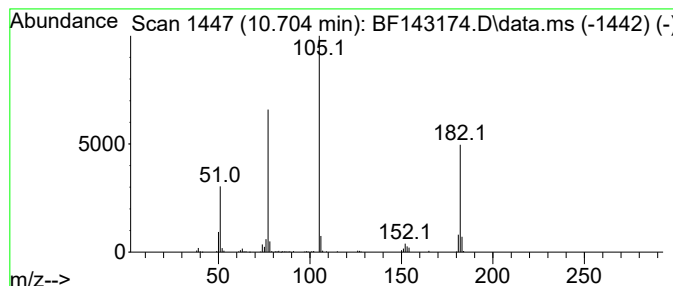
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	4.28 ng	226147	Acenaphthene-d10	9.998

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	50
3			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
4			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	50
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

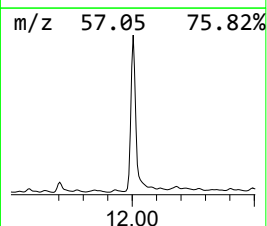
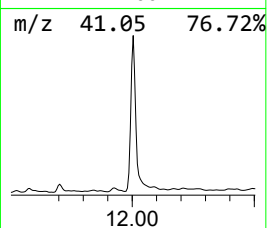
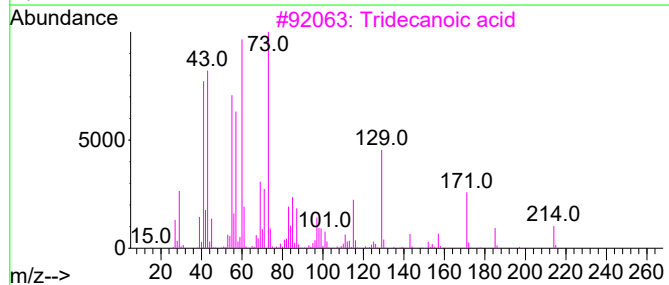
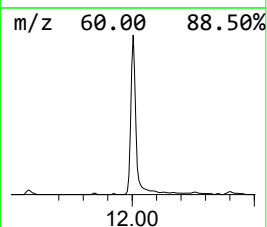
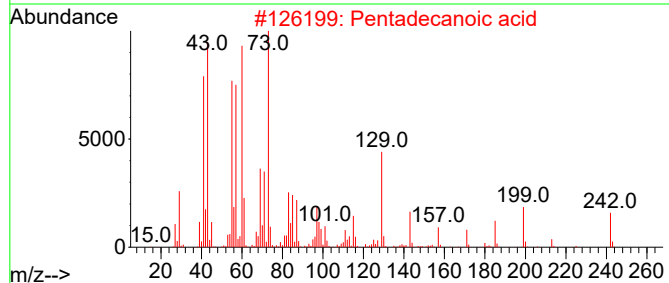
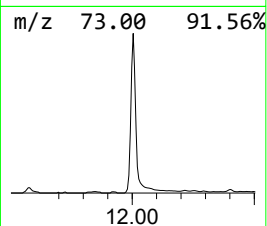
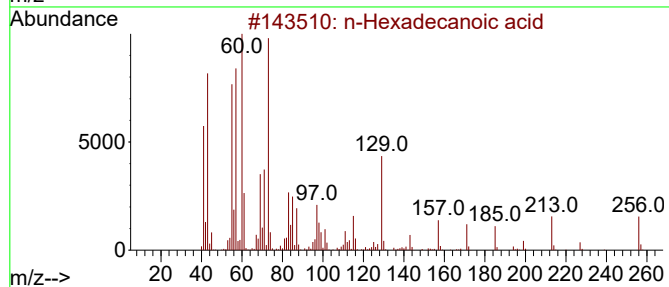
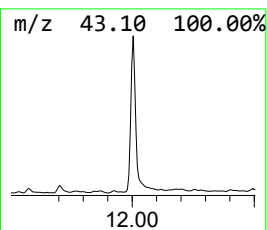
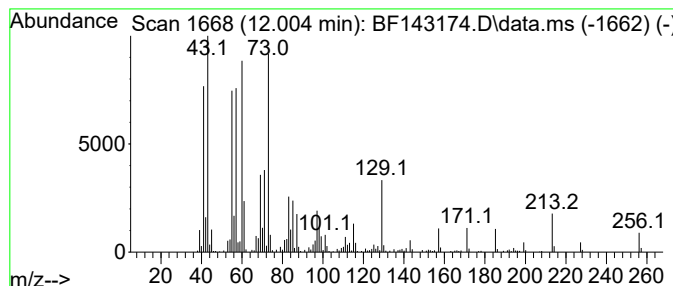
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	13.04 ng	530640	Phenanthrene-d10	11.480

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	76
5			Undecanoic acid	186	C11H22O2	000112-37-8	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

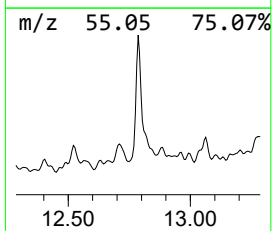
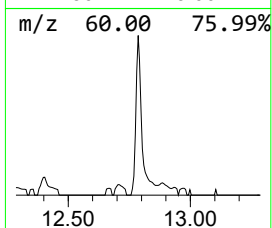
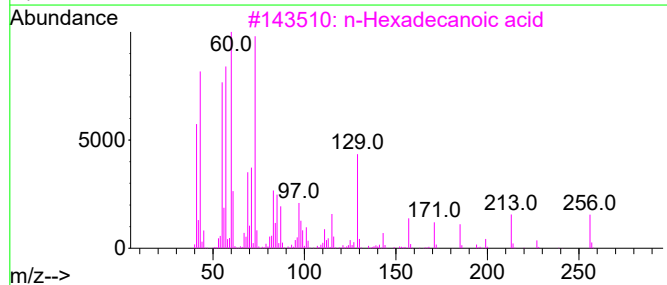
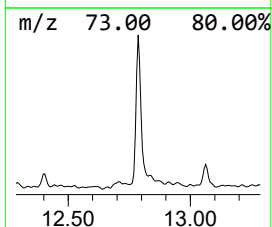
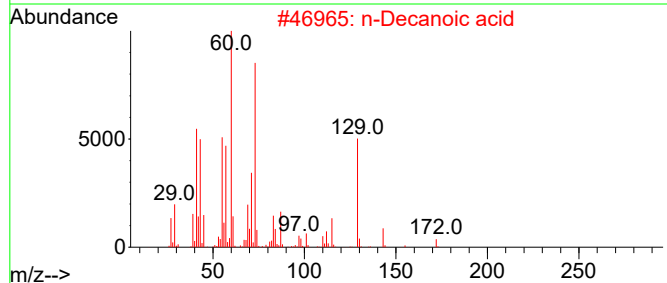
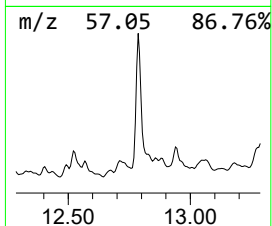
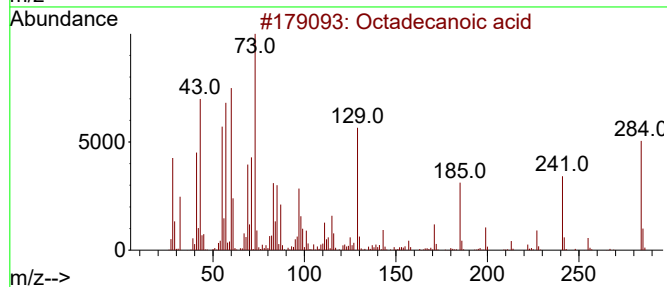
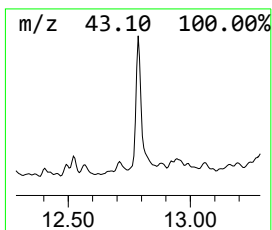
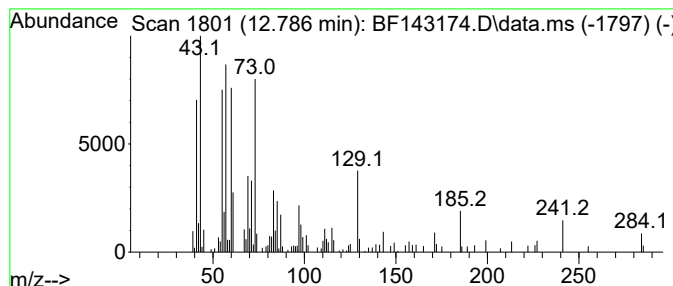
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	2.34 ng	95324	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Decanoic acid	172	C10H20O2	000334-48-5	95
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

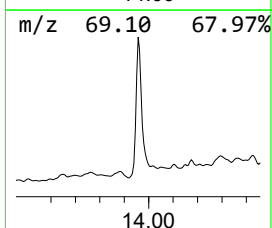
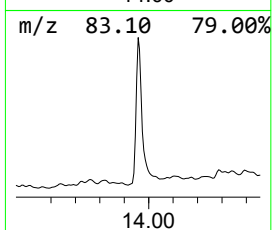
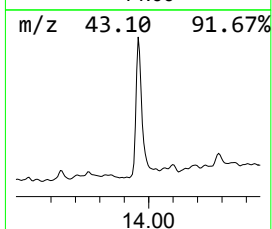
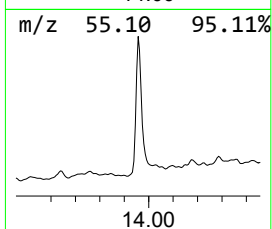
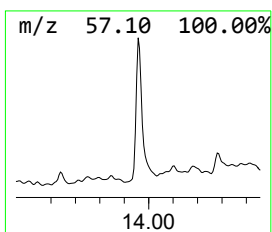
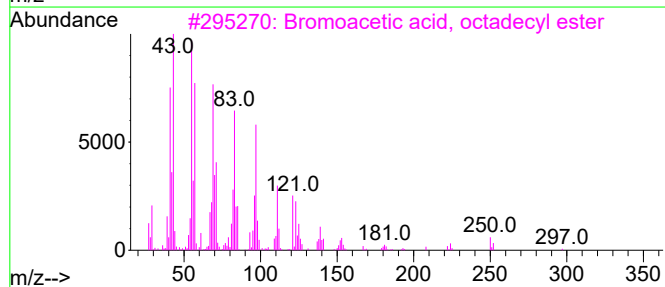
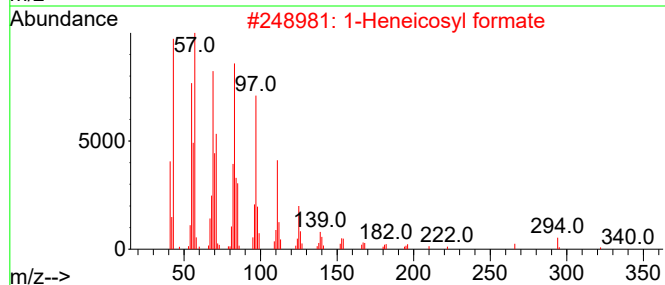
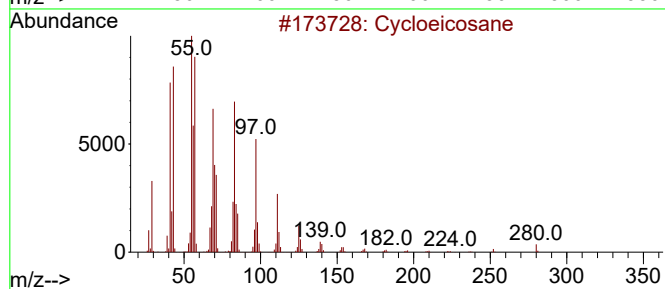
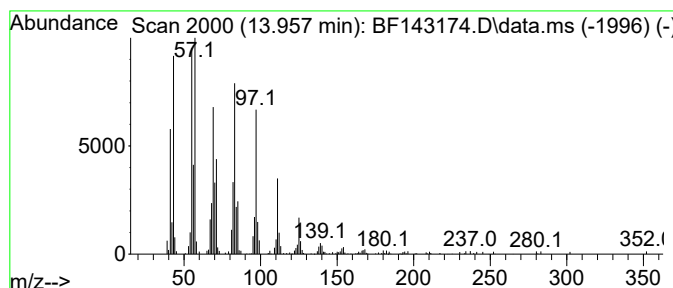
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cycloeicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.957	7.99 ng	298153	Chrysene-d12	14.121

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloeicosane	280	C20H40	000296-56-0	97
2			1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3			Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	94
4			Octacosanol	410	C28H58O	000557-61-9	94
5			Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

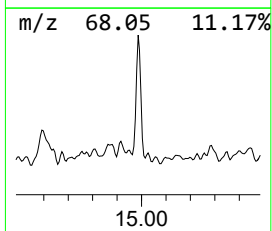
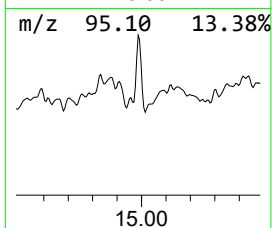
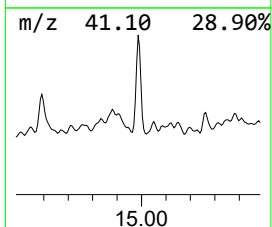
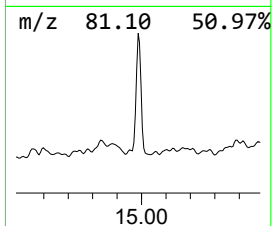
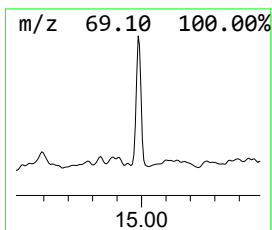
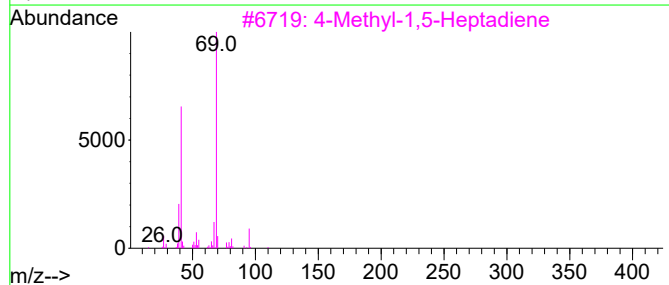
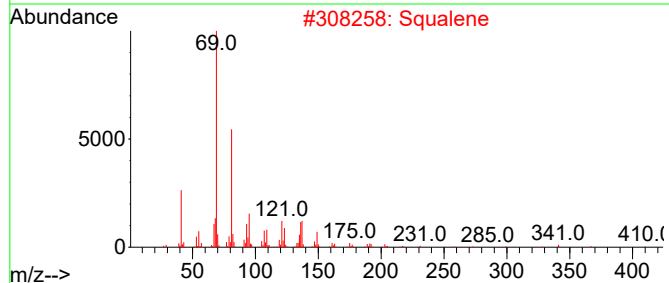
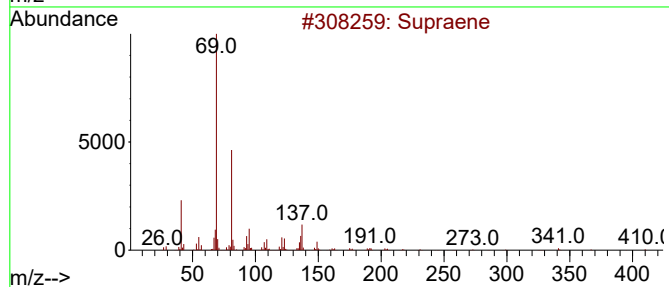
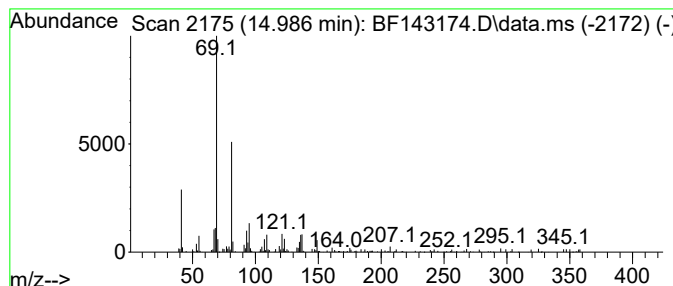
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Supraene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.986	2.61 ng	64710	Perylene-d12	15.621

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	74
2			Squalene	410	C30H50	000111-02-4	72
3			4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	64
4			5-Bromo-1-pentanol	166	C5H11BrO	034626-51-2	59
5			trans-Farnesol	222	C15H26O	000106-28-5	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143174.D
Acq On : 21 Jul 2025 16:28
Operator : RC/JU
Sample : Q2651-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 8-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.310	24.3	ng	1059030	1	6.963	870319	20.0
2-Pentanone, 4-...	5.193	6.1	ng	264866	1	6.963	870319	20.0
Benzophenone	10.704	4.3	ng	226147	3	9.998	1056590	20.0
n-Hexadecanoic ...	12.004	13.0	ng	530640	4	11.480	813800	20.0
Octadecanoic acid	12.786	2.3	ng	95324	4	11.480	813800	20.0
Cycloeicosane	13.957	8.0	ng	298153	5	14.121	745973	20.0
Supraene	14.986	2.6	ng	64710	6	15.621	496393	20.0

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
Sample Wt/Vol:	30.08	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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.7	U	23.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.1	U	26.1	180	ug/Kg
95-57-8	2-Chlorophenol	26.2	U	26.2	180	ug/Kg
95-48-7	2-Methylphenol	32.1	U	32.1	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.3	U	40.3	180	ug/Kg
98-86-2	Acetophenone	31.7	U	31.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.1	U	44.1	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.9	U	50.9	85.9	ug/Kg
67-72-1	Hexachloroethane	18.9	U	18.9	180	ug/Kg
98-95-3	Nitrobenzene	19.6	U	19.6	180	ug/Kg
78-59-1	Isophorone	35.2	U	35.2	180	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.6	U	69.6	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.1	U	33.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.4	U	30.4	180	ug/Kg
91-20-3	Naphthalene	24.4	U	24.4	180	ug/Kg
106-47-8	4-Chloroaniline	38.0	U	38.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.2	U	27.2	180	ug/Kg
105-60-2	Caprolactam	55.9	U	55.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.8	U	30.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.5	U	27.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.3	U	21.3	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.2	U	31.2	180	ug/Kg
92-52-4	1,1-Biphenyl	23.4	U	23.4	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.2	U	24.2	180	ug/Kg
88-74-4	2-Nitroaniline	51.6	U	51.6	180	ug/Kg
131-11-3	Dimethylphthalate	29.1	U	29.1	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.0	U	31.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.1	U	36.1	180	ug/Kg
99-09-2	3-Nitroaniline	49.4	U	49.4	180	ug/Kg
83-32-9	Acenaphthene	22.9	U	22.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.4	U	24.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.8	U	53.8	180	ug/Kg
84-66-2	Diethylphthalate	30.4	U	30.4	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.7	U	28.7	180	ug/Kg
86-73-7	Fluorene	27.2	U	27.2	180	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.3	U	35.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.8	U	29.8	180	ug/Kg
118-74-1	Hexachlorobenzene	27.2	U	27.2	180	ug/Kg
1912-24-9	Atrazine	36.5	U	36.5	180	ug/Kg
87-86-5	Pentachlorophenol	55.1	UQ	55.1	350	ug/Kg
85-01-8	Phenanthrene	22.4	U	22.4	180	ug/Kg
120-12-7	Anthracene	35.7	U	35.7	180	ug/Kg
86-74-8	Carbazole	33.5	U	33.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.4	U	51.4	180	ug/Kg
206-44-0	Fluoranthene	32.2	U	32.2	180	ug/Kg
129-00-0	Pyrene	38.6	U	38.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.7	UQ	76.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.4	U	39.4	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.7	U	24.7	180	ug/Kg
218-01-9	Chrysene	21.4	U	21.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.6	U	63.6	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.2	U	93.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.4	U	20.4	180	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

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

SURROGATES

367-12-4	2-Fluorophenol	59.2		18 - 112	39%	SPK: 150
13127-88-3	Phenol-d6	59.0		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.8		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.4		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	54.2		10 - 116	36%	SPK: 150
1718-51-0	Terphenyl-d14	35.3		10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	134000	6.963
1146-65-2	Naphthalene-d8	476000	8.24
15067-26-2	Acenaphthene-d10	209000	9.998
1517-22-2	Phenanthrene-d10	294000	11.48
1719-03-5	Chrysene-d12	252000	14.121
1520-96-3	Perylene-d12	168000	15.627

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	780	J	2.29	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB	5.19	ug/Kg
000119-61-9	Benzophenone	120	J	10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J	12.0	ug/Kg
000057-11-4	Octadecanoic acid	100	J	12.8	ug/Kg
074685-33-9	3-Eicosene, (E)-	220	J	14.0	ug/Kg
000791-28-6	Triphenylphosphine oxide	78.7	J	14.2	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/18/25
Client Sample ID:	MH 9-8	SDG No.:	Q2651
Lab Sample ID:	Q2651-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.9
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
BF143175.D	1	07/21/25 09:30	07/21/25 16:58	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000111-02-4	Squalene	230	J		15.0	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\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Quant Time: Jul 21 17:29:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	134165	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	475638	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	208826	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	294164	20.000	ng	0.00
76) Chrysene-d12	14.121	240	252469	20.000	ng	0.00
86) Perylene-d12	15.627	264	168445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	502178	59.231	ng	0.00
7) Phenol-d6	6.581	99	629286	58.969	ng	0.00
23) Nitrobenzene-d5	7.516	82	389282	40.797	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	116869	54.174	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	708994	46.433	ng	0.00
79) Terphenyl-d14	13.063	244	599687	35.347	ng	0.00

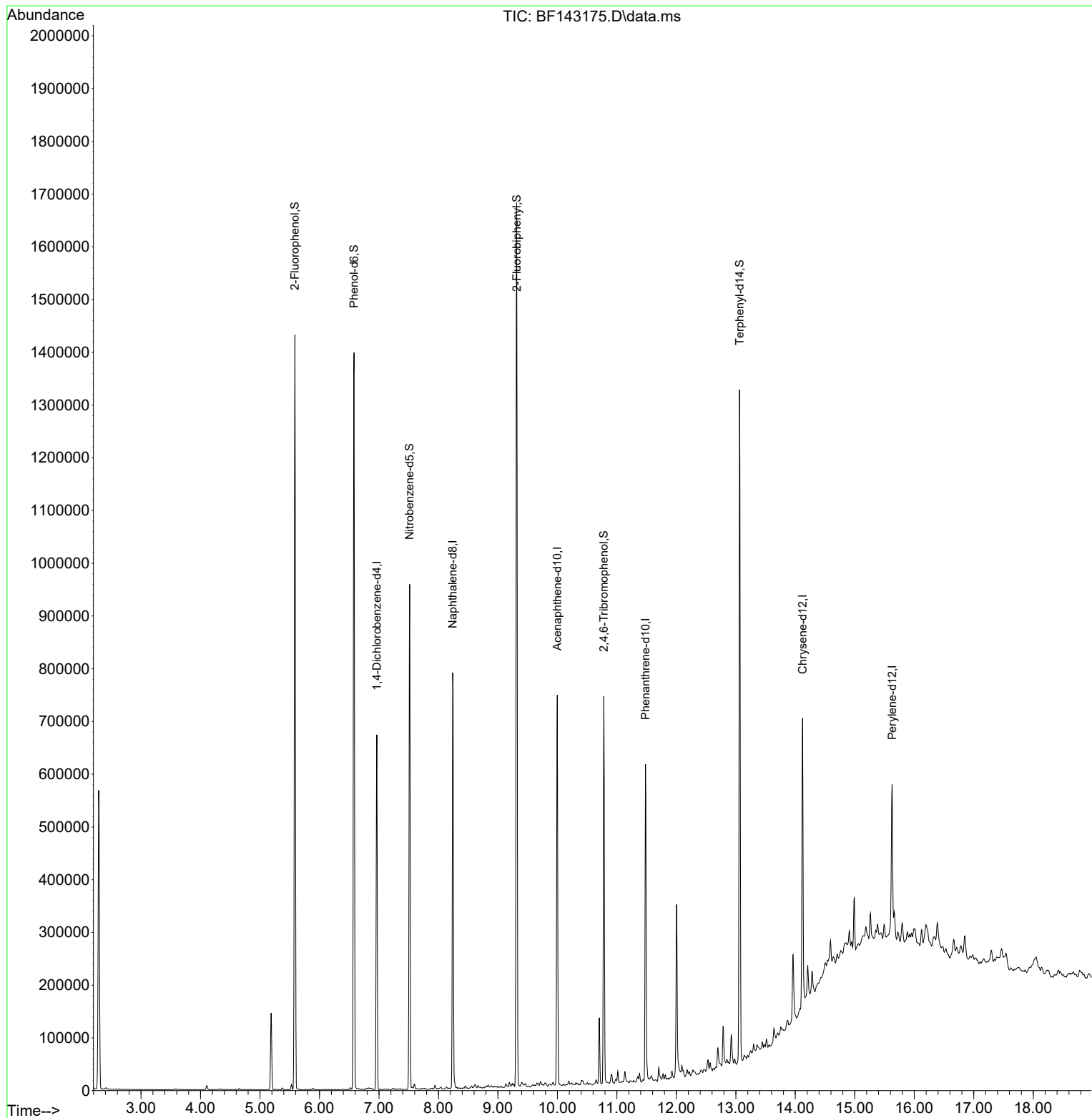
Target Compounds	Qvalue

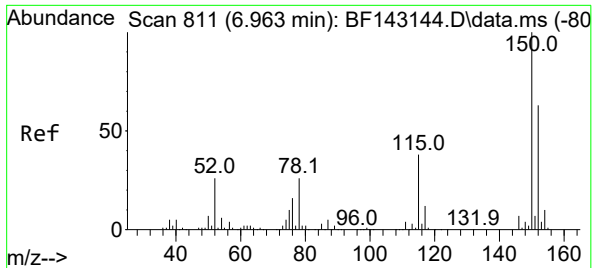
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Quant Time: Jul 21 17:29:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

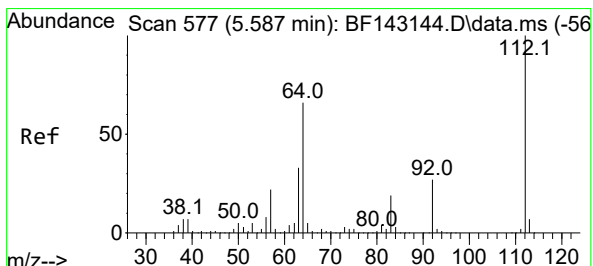
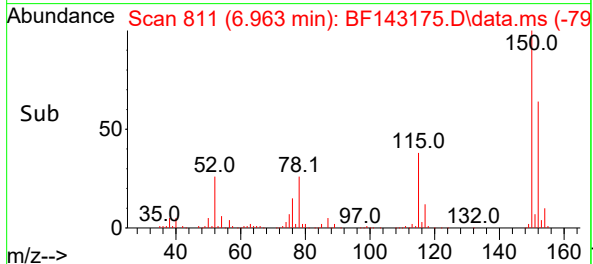
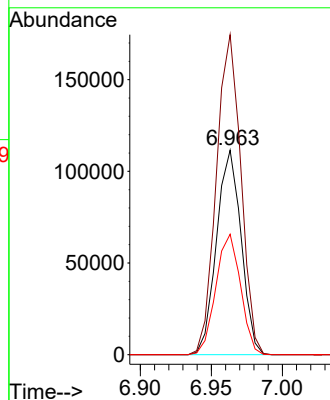
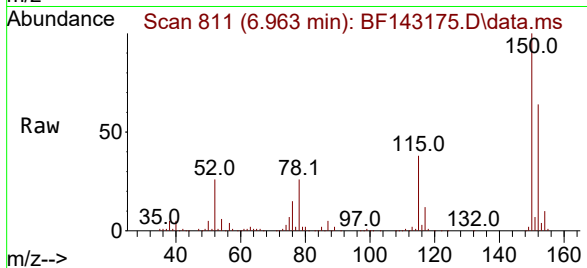




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

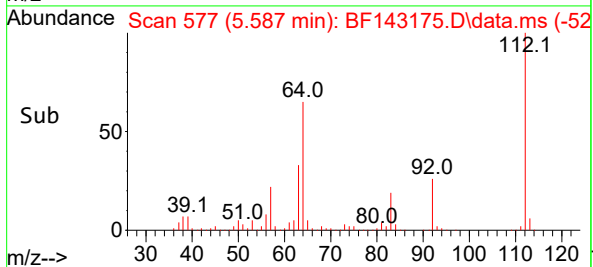
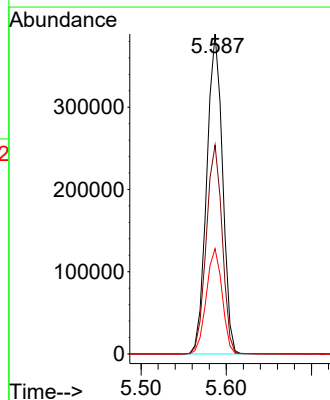
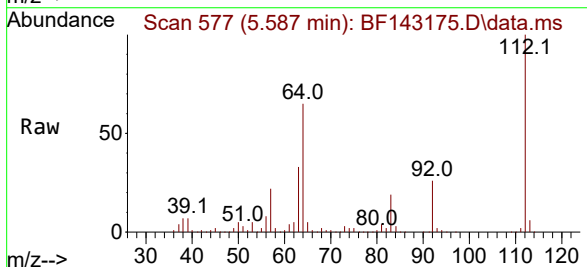
Instrument :
BNA_F
ClientSampleId :
MH 9-8

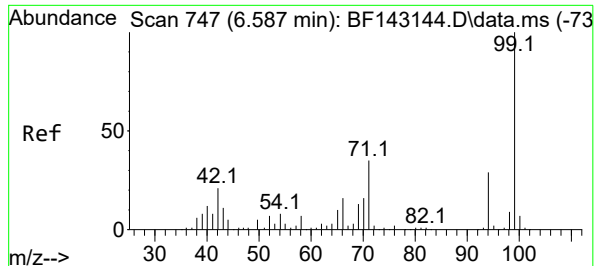
Tgt Ion:152 Resp: 134165
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 59.231 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:112 Resp: 502178
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 32.9 26.6 40.0

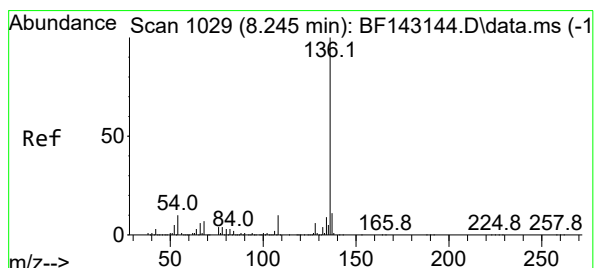
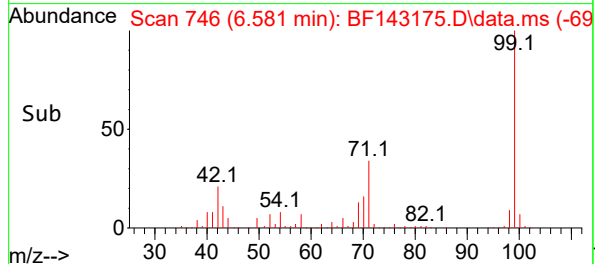
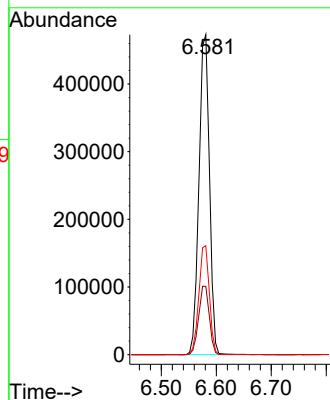
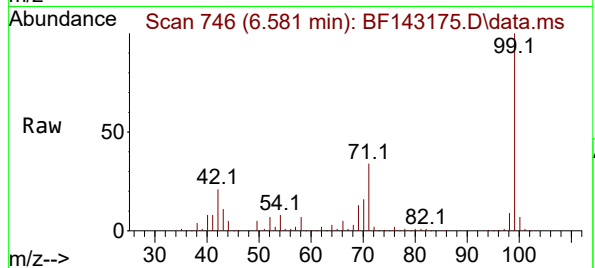




#7
Phenol-d6
Concen: 58.969 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

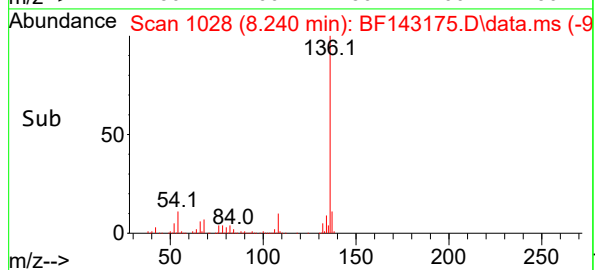
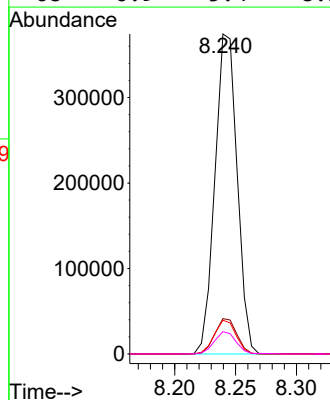
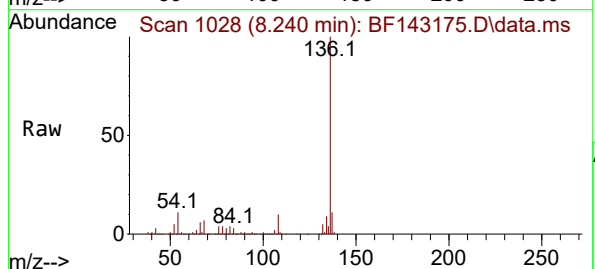
Instrument :
BNA_F
ClientSampleId :
MH 9-8

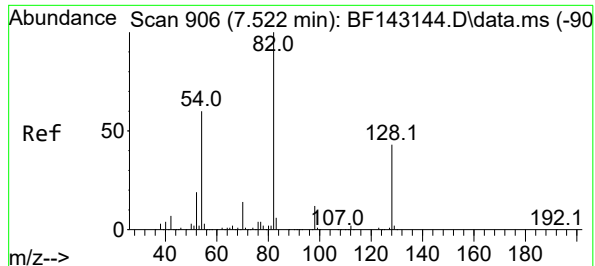
Tgt Ion: 99 Resp: 629286
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.0 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion: 136 Resp: 475638
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.6 8.2 12.2
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 40.797 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

MH 9-8

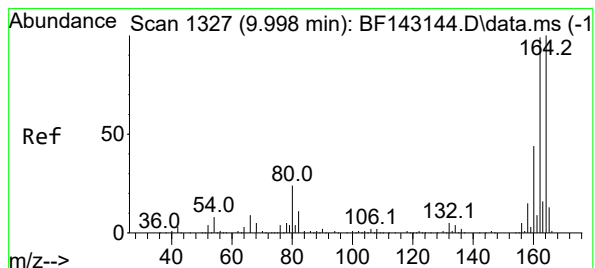
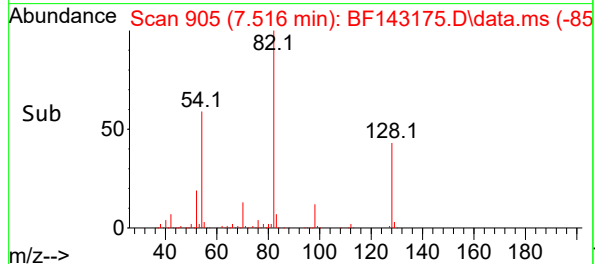
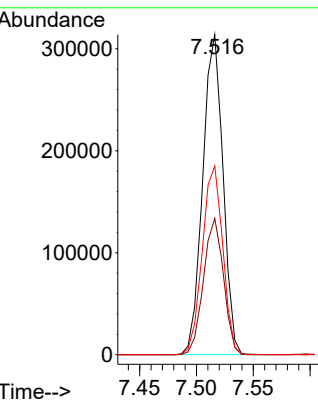
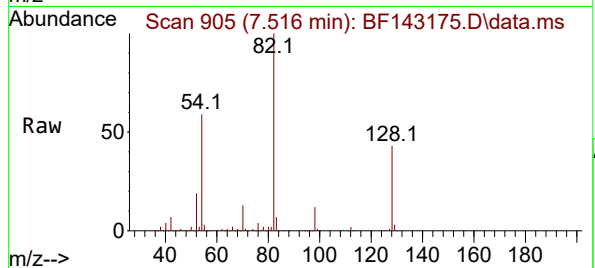
Tgt Ion: 82 Resp: 389282

Ion Ratio Lower Upper

82 100

128 42.6 33.6 50.4

54 59.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

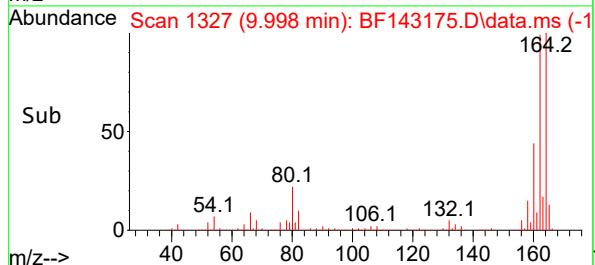
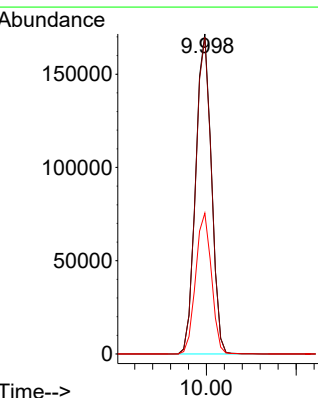
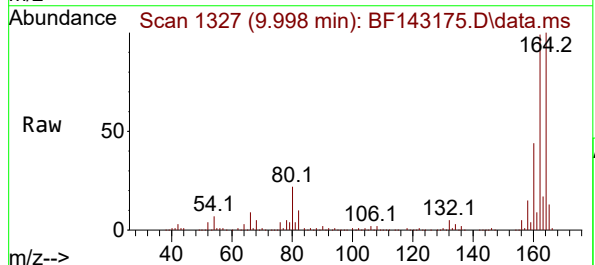
Tgt Ion: 164 Resp: 208826

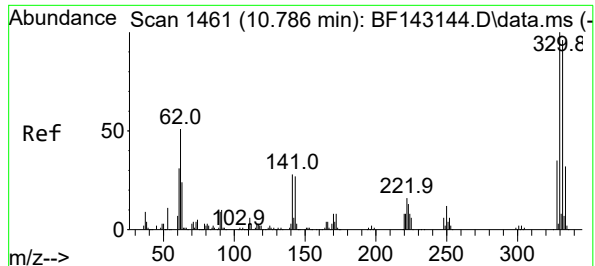
Ion Ratio Lower Upper

164 100

162 99.0 79.0 118.6

160 44.0 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 54.174 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

MH 9-8

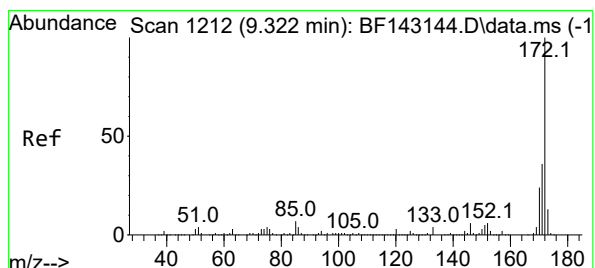
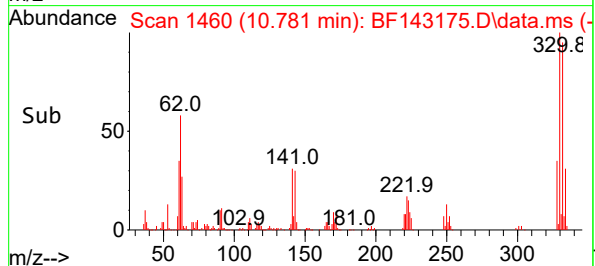
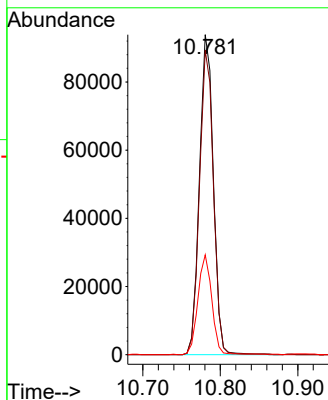
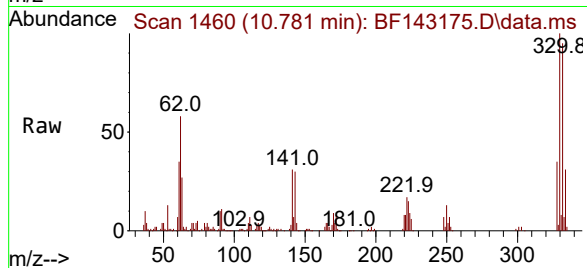
Tgt Ion:330 Resp: 116869

Ion Ratio Lower Upper

330 100

332 95.5 76.7 115.1

141 31.5 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 46.433 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

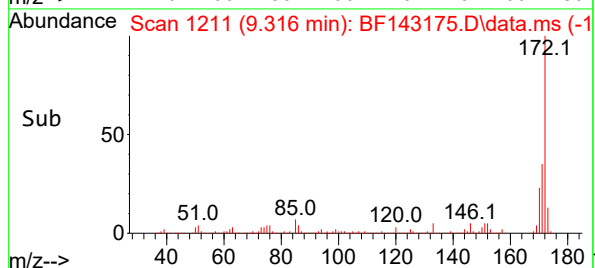
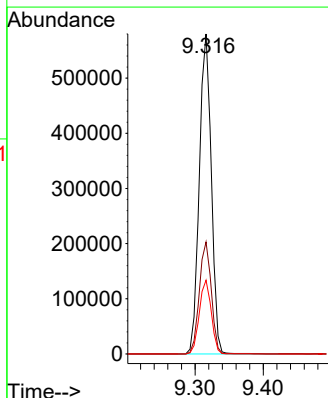
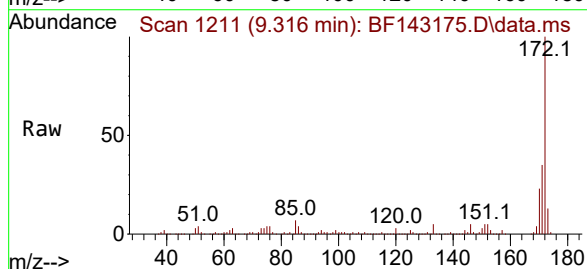
Tgt Ion:172 Resp: 708994

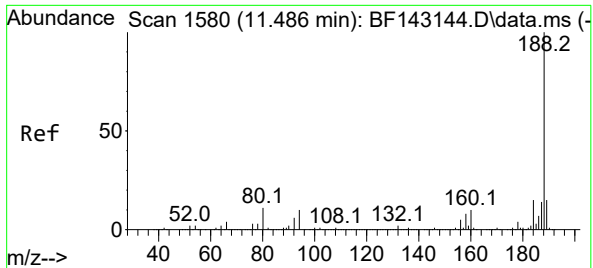
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.0 18.8 28.2

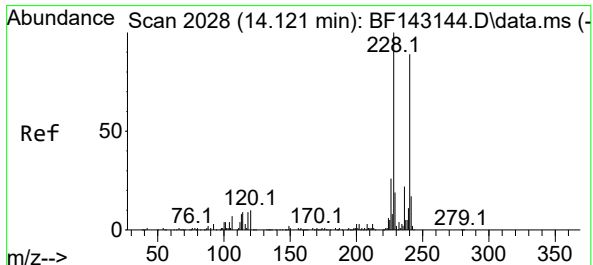
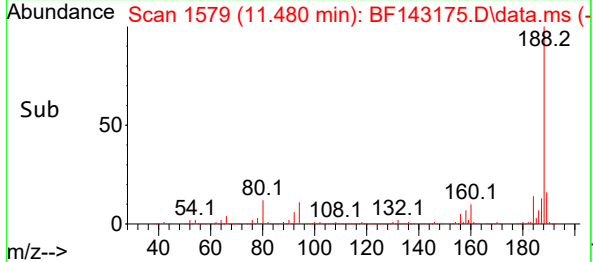
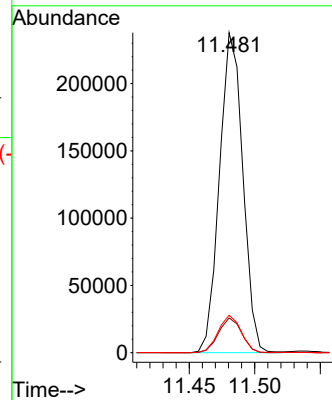
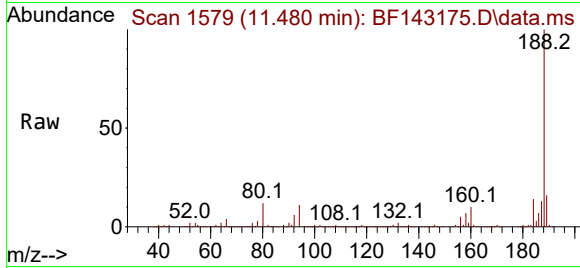




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

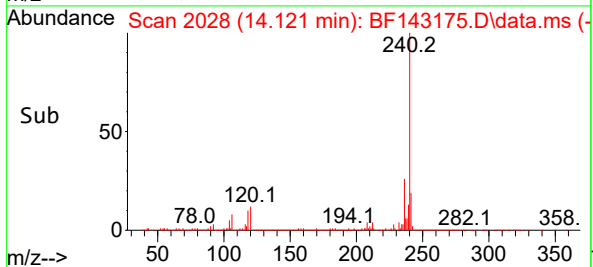
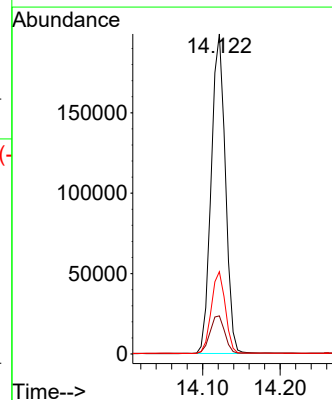
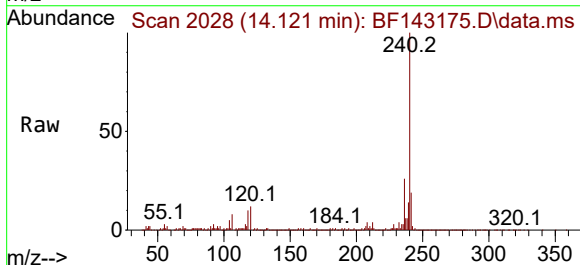
Instrument :
BNA_F
ClientSampleId :
MH 9-8

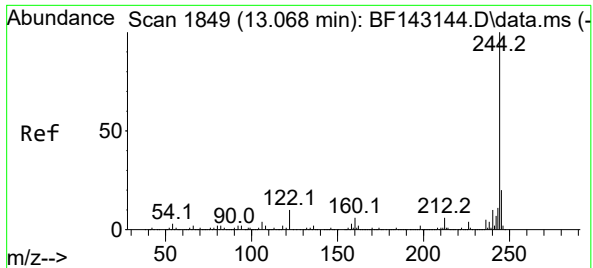
Tgt Ion:188 Resp: 294164
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.7 9.0 13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:240 Resp: 252469
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.7 20.2 30.4





#79

Terphenyl-d14

Concen: 35.347 ng

RT: 13.063 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

MH 9-8

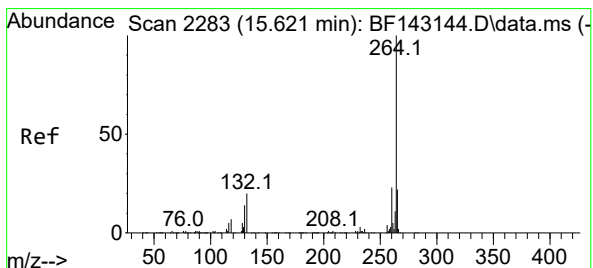
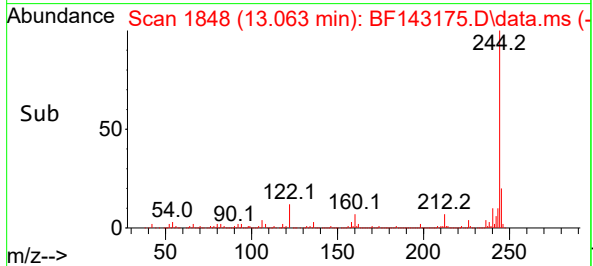
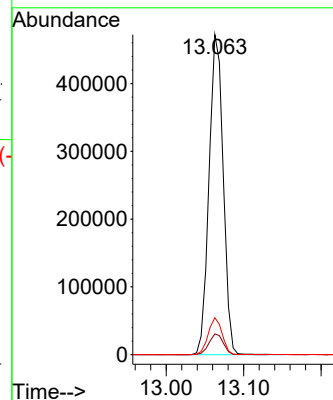
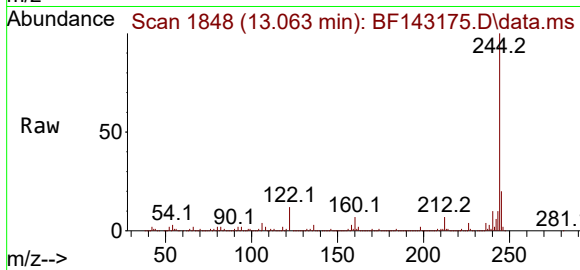
Tgt Ion:244 Resp: 599687

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

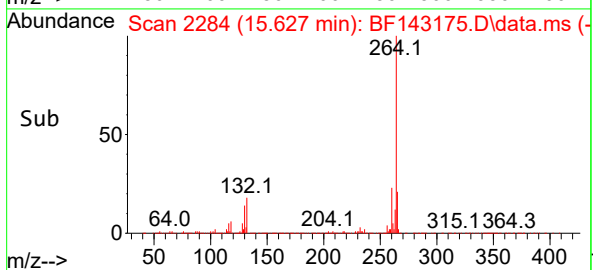
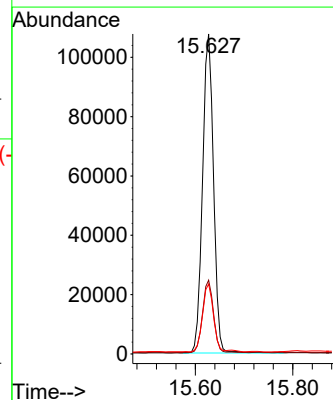
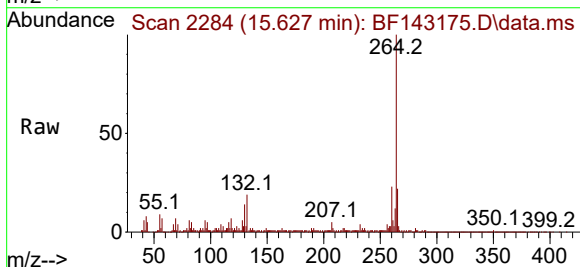
Tgt Ion:264 Resp: 168445

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.9 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143175.D
 Acq On : 21 Jul 2025 16:58
 Operator : RC/JU
 Sample : Q2651-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 9-8

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143175.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	9	16	23	rVB	565940	889400	43.20%	5.289%
2	5.187	503	509	516	rVB	145322	208586	10.13%	1.240%
3	5.587	571	577	582	rBV	1431333	1851010	89.91%	11.007%
4	6.581	739	746	751	rBV	1396951	1866138	90.64%	11.097%
5	6.963	806	811	816	rVB	672731	815207	39.60%	4.848%
6	7.516	899	905	910	rBV	956942	1191796	57.89%	7.087%
7	8.240	1023	1028	1033	rBV	787543	1003754	48.76%	5.969%
8	9.316	1205	1211	1216	rBV	1675542	2058760	100.00%	12.242%
9	9.998	1321	1327	1332	rBV	739099	909157	44.16%	5.406%
10	10.704	1442	1447	1455	rVB	124817	150940	7.33%	0.898%
11	10.781	1455	1460	1465	rBV	734737	910623	44.23%	5.415%
12	10.910	1476	1482	1489	rVB2	17474	33058	1.61%	0.197%
13	11.016	1497	1500	1505	rVB	20772	23776	1.15%	0.141%
14	11.133	1516	1520	1526	rBV4	18697	27231	1.32%	0.162%
15	11.381	1559	1562	1568	rVB2	16517	22011	1.07%	0.131%
16	11.481	1574	1579	1587	rBV	599630	778512	37.81%	4.629%
17	11.704	1613	1617	1625	rBV3	25649	47298	2.30%	0.281%
18	12.004	1661	1668	1680	rBV2	328459	504983	24.53%	3.003%
19	12.533	1754	1758	1761	rBV2	16876	23742	1.15%	0.141%
20	12.569	1761	1764	1770	rVB3	14965	21906	1.06%	0.130%
21	12.698	1782	1786	1797	rBV	36570	72623	3.53%	0.432%
22	12.786	1797	1801	1809	rBV	75284	113301	5.50%	0.674%
23	12.922	1820	1824	1831	rBV	54994	84465	4.10%	0.502%
24	13.063	1843	1848	1857	rBV	1272810	1619568	78.67%	9.631%
25	13.963	1996	2001	2011	rBV2	126123	230441	11.19%	1.370%
26	14.122	2023	2028	2035	rBV	548072	762920	37.06%	4.537%
27	14.210	2040	2043	2049	rVB	56286	83887	4.07%	0.499%
28	14.992	2173	2176	2180	rVB	98878	123812	6.01%	0.736%
29	15.627	2279	2284	2288	rBV	263610	388070	18.85%	2.308%

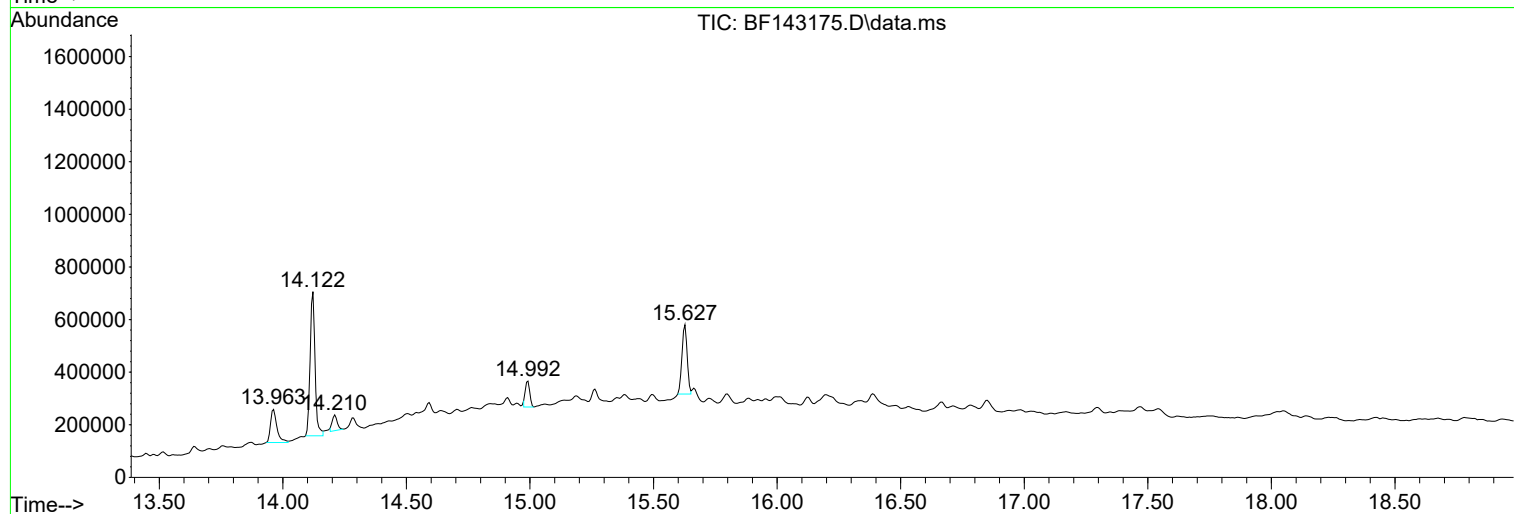
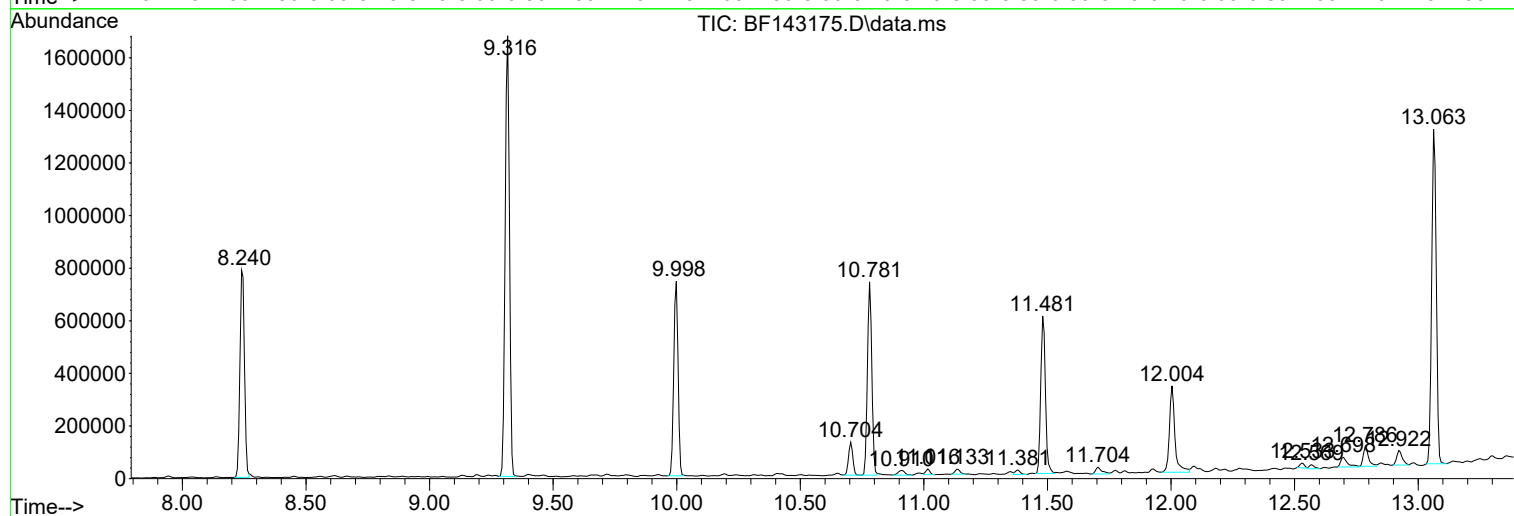
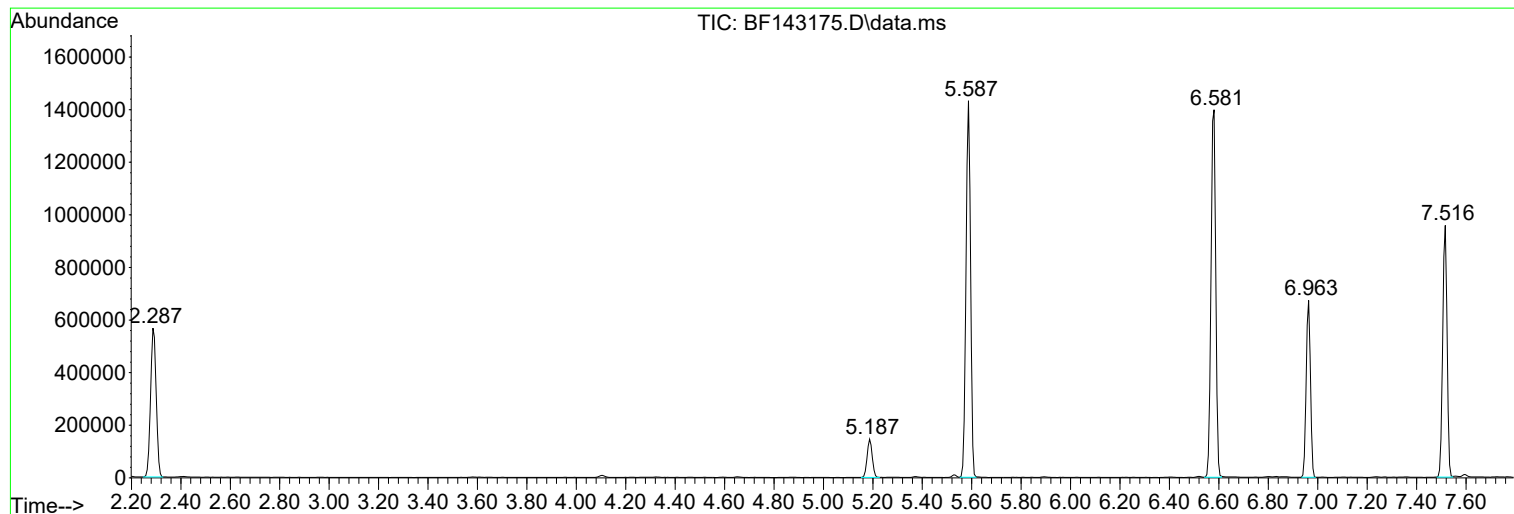
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
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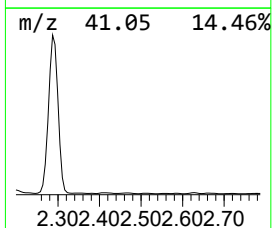
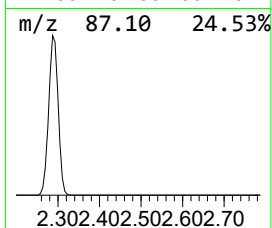
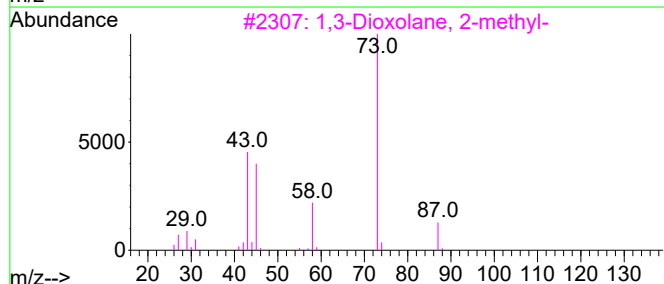
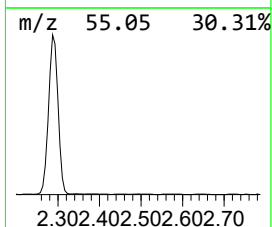
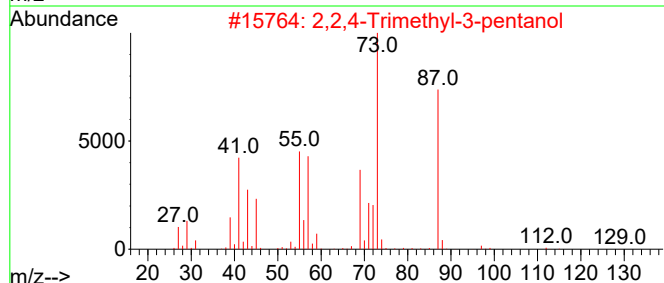
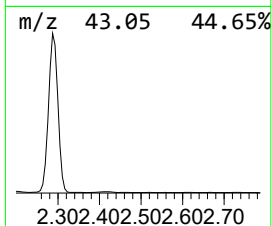
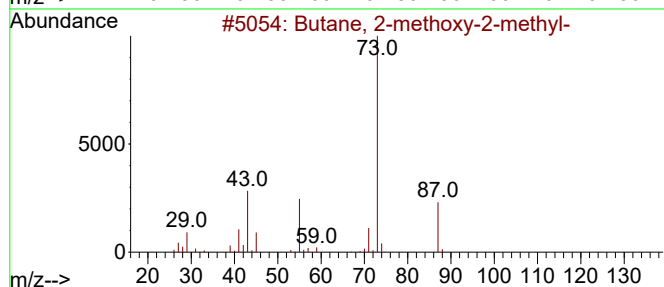
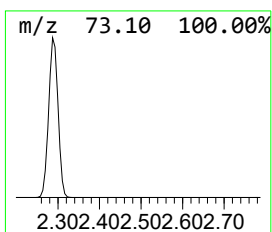
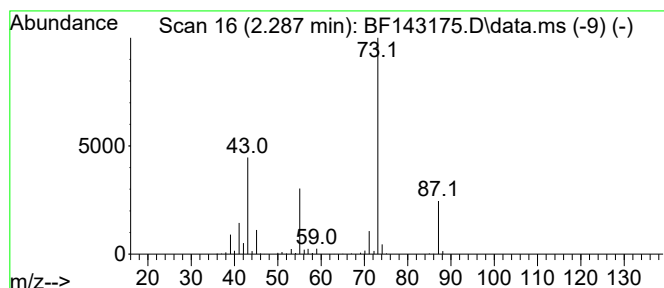
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.287	21.82 ng	889400	1,4-Dichlorobenzene-d4	6.963

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			Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
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Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

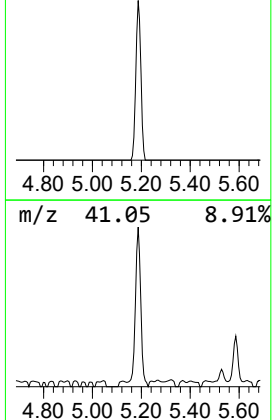
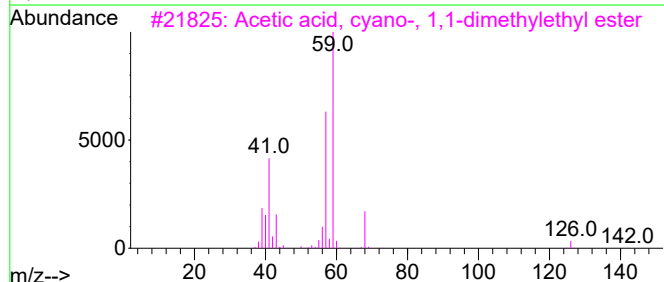
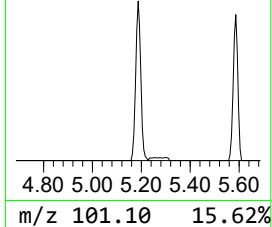
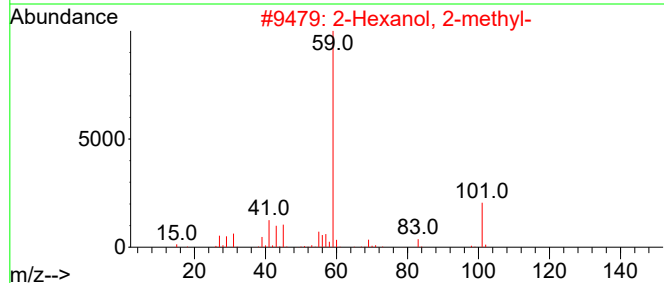
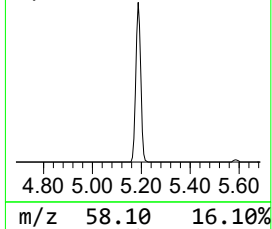
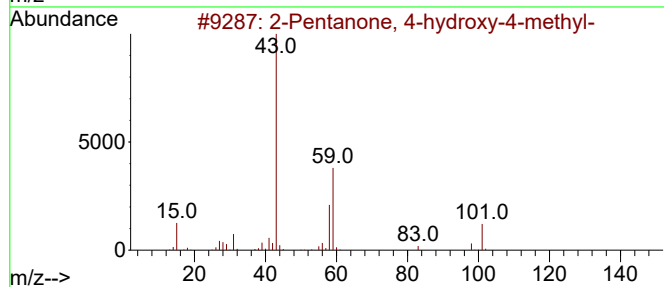
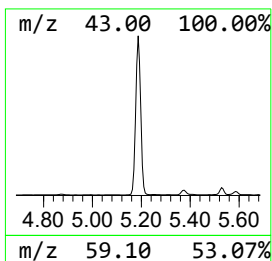
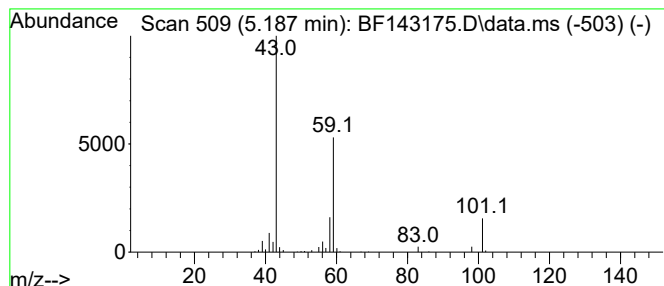
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.187	5.12 ng	208586	1,4-Dichlorobenzene-d4	6.963

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	23
4			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

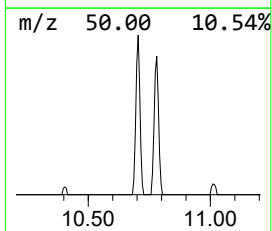
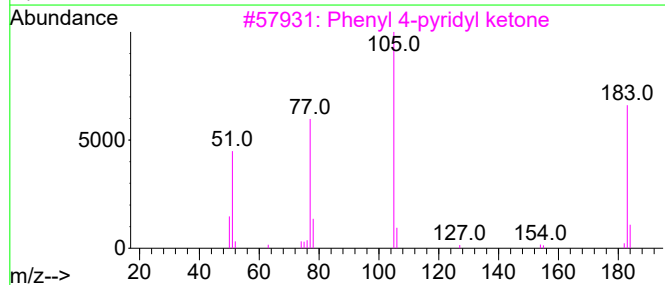
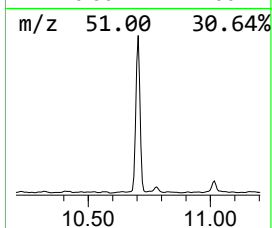
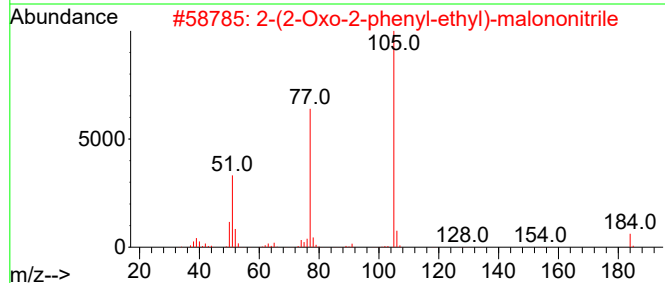
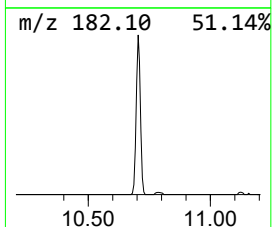
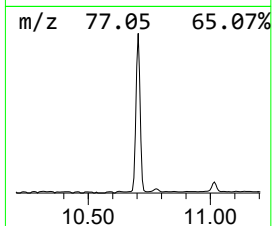
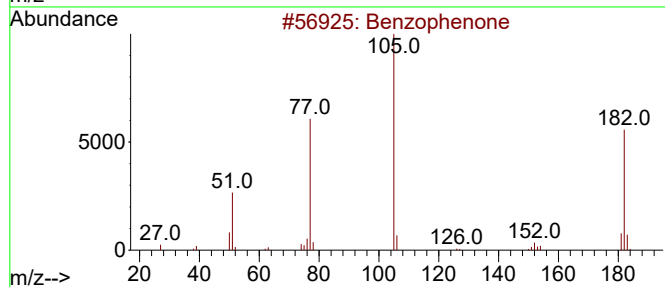
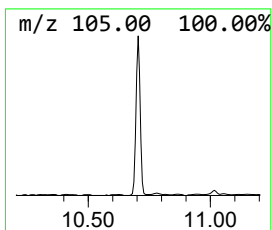
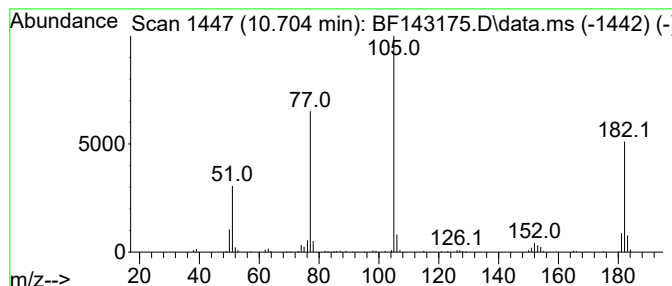
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.704	3.32 ng	150940	Acenaphthene-d10	9.998

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	52
4			N-cyanobenzamide	146	C8H6N2O	015150-25-1	47
5			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
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Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

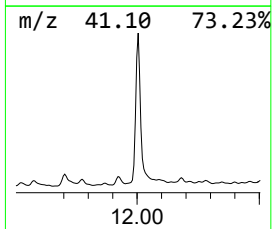
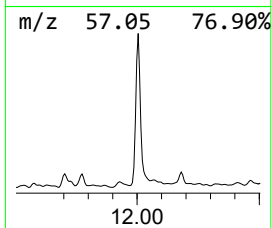
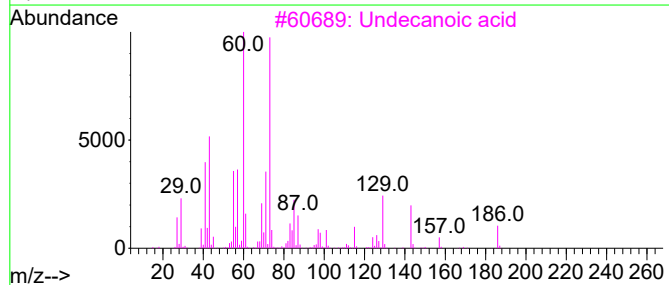
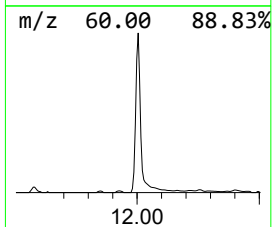
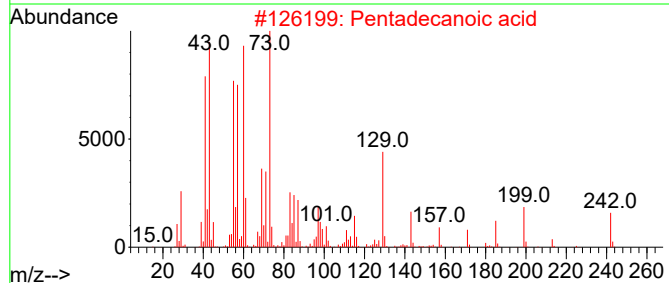
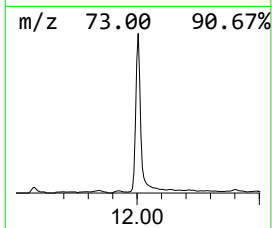
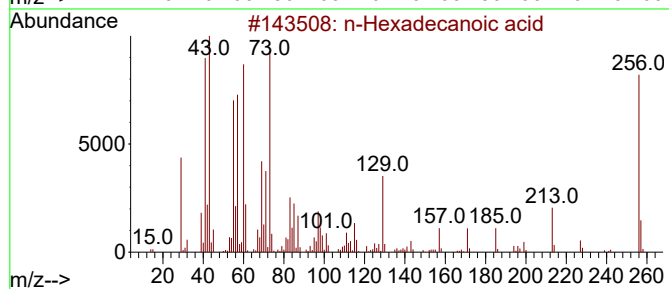
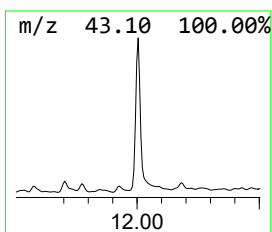
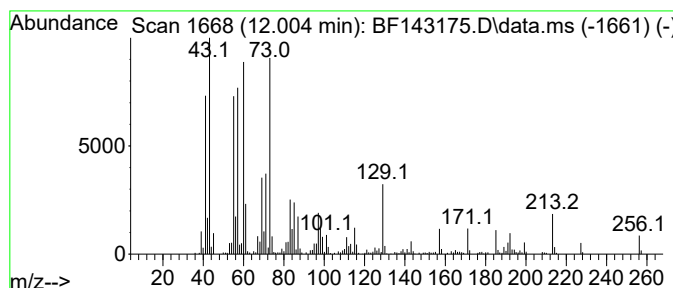
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	12.97 ng	504983	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3			Undecanoic acid	186	C11H22O2	000112-37-8	76
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			Tridecanoic acid	214	C13H26O2	000638-53-9	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
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Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

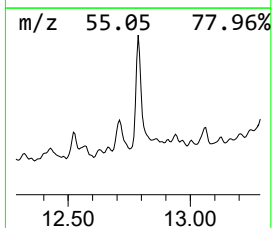
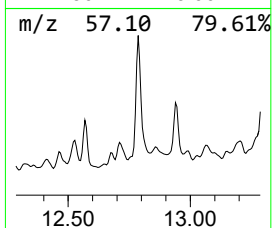
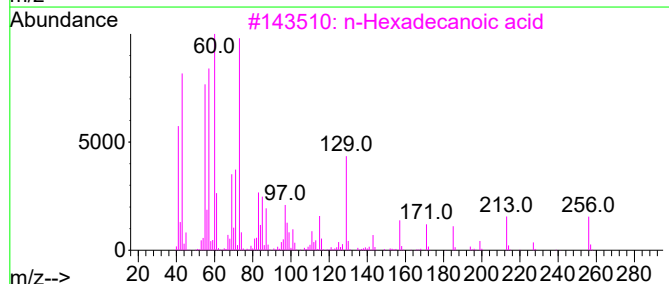
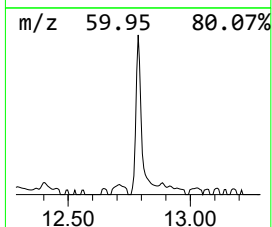
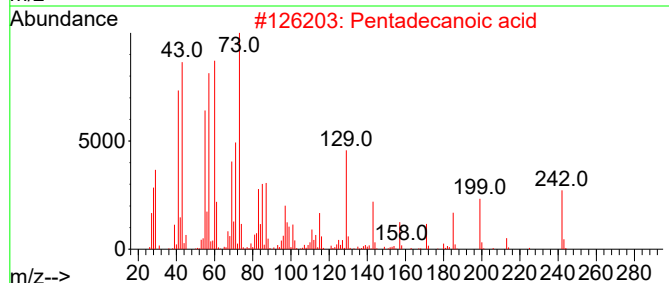
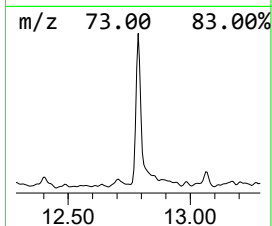
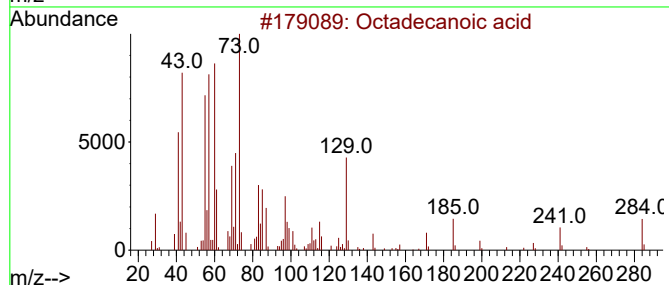
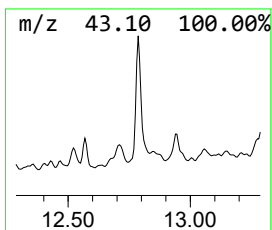
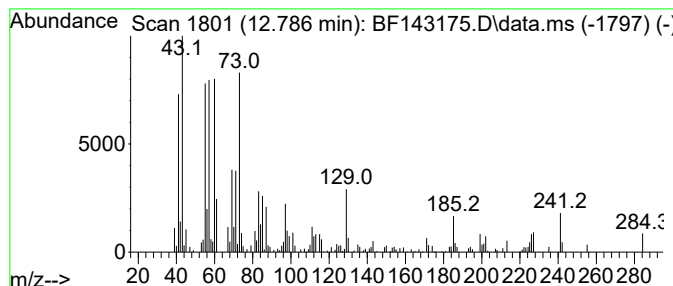
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.786	2.91 ng	113301	Phenanthrene-d10	11.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	92
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4			Undecanoic acid	186	C11H22O2	000112-37-8	70
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	50



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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

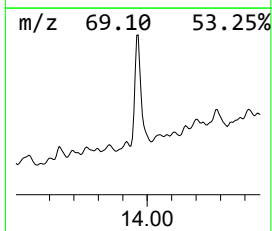
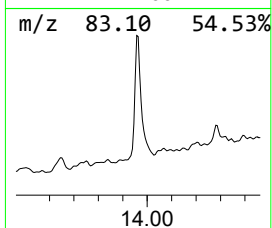
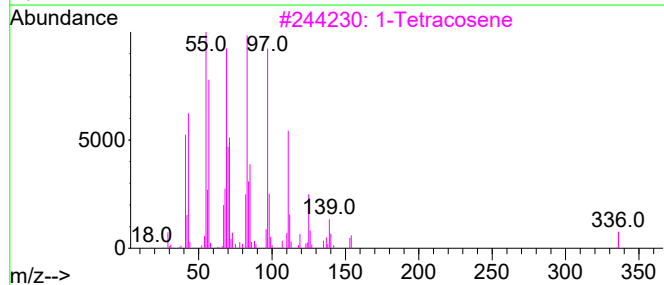
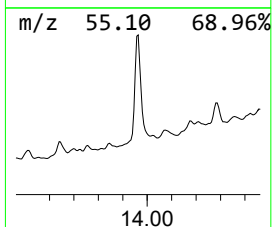
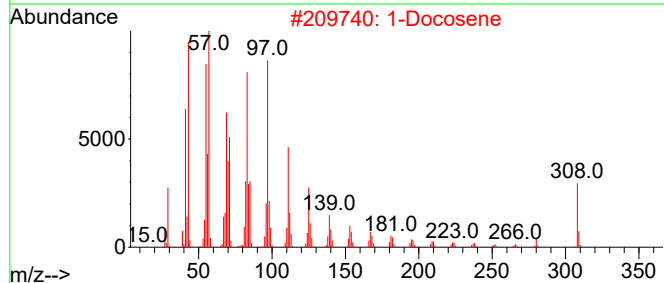
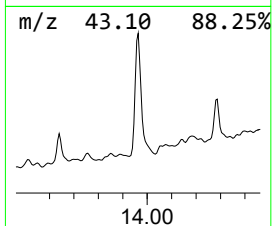
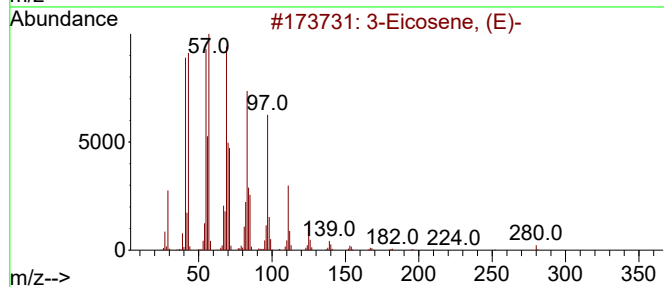
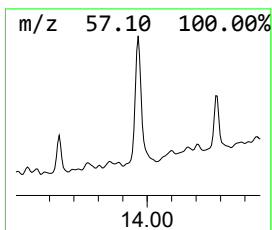
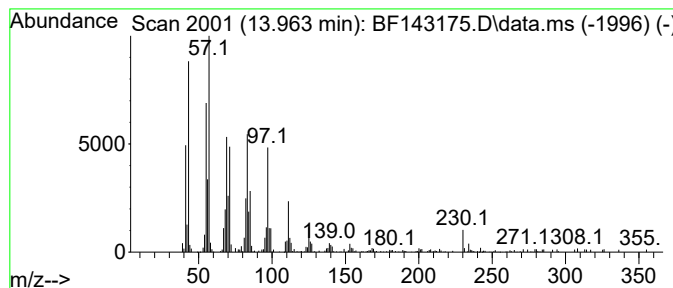
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.963	6.04 ng	230441	Chrysene-d12	14.121

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Eicosene, (E)-	280	C20H40	074685-33-9	99
2			1-Docosene	308	C22H44	001599-67-3	98
3			1-Tetracosene	336	C24H48	010192-32-2	97
4			Cyclotetracosane	336	C24H48	000297-03-0	96
5			5-Eicosene, (E)-	280	C20H40	074685-30-6	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

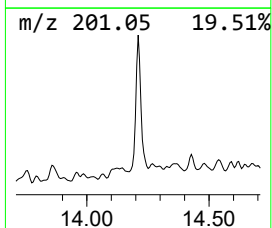
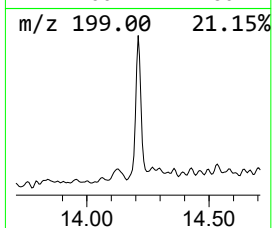
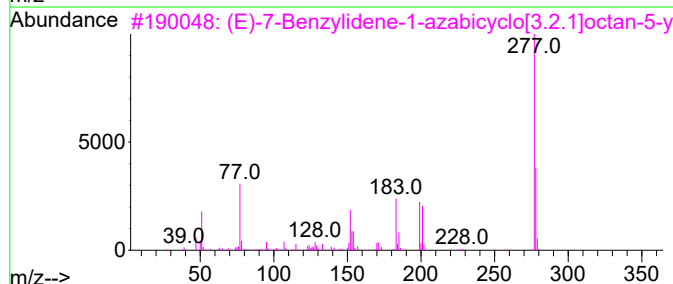
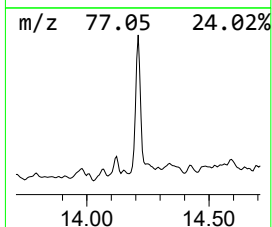
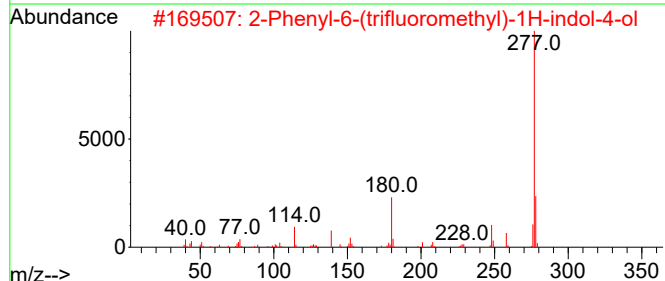
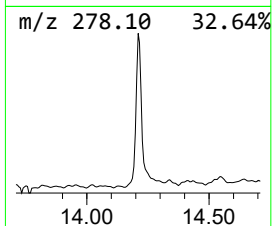
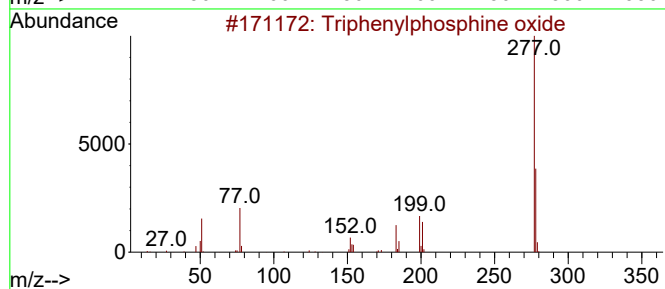
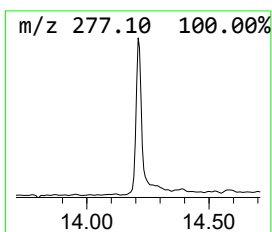
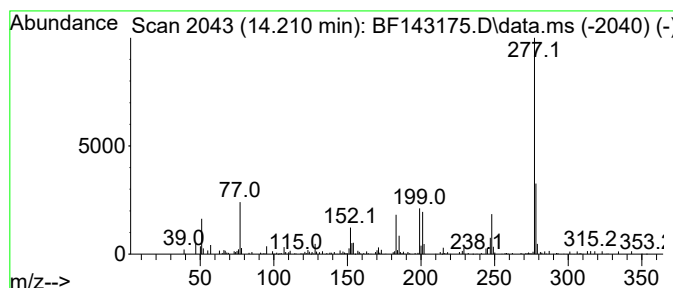
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Triphenylphosphine oxide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	2.20 ng	83887	Chrysene-d12	14.121

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triphenylphosphine oxide	278	C18H15OP	000791-28-6	96
2			2-Phenyl-6-(trifluoromethyl)-1H-...	277	C15H10F3NO	1000387-59-3	50
3			(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	49
4			Carbazol-1-one, 1,2,3,4-tetrahyd...	277	C18H15NO2	299962-12-2	37
5			Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

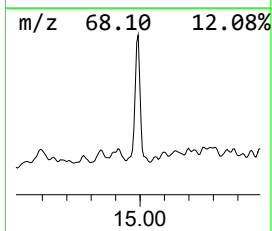
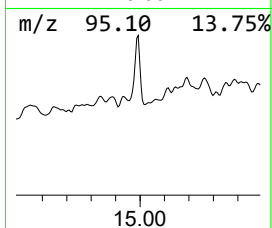
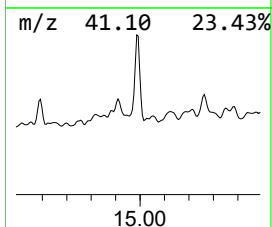
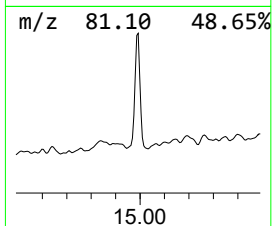
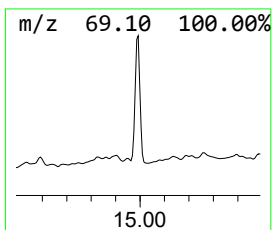
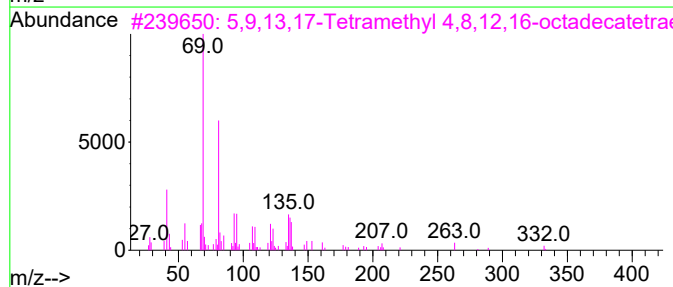
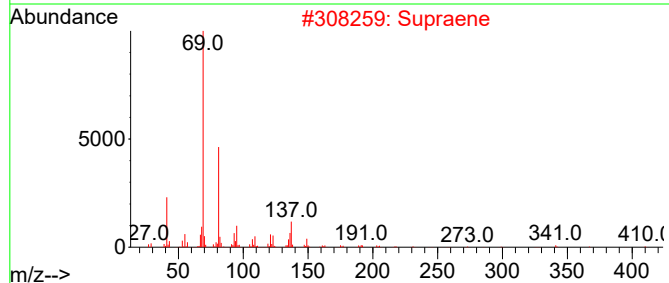
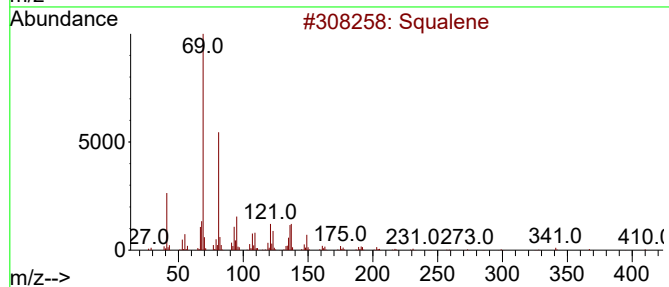
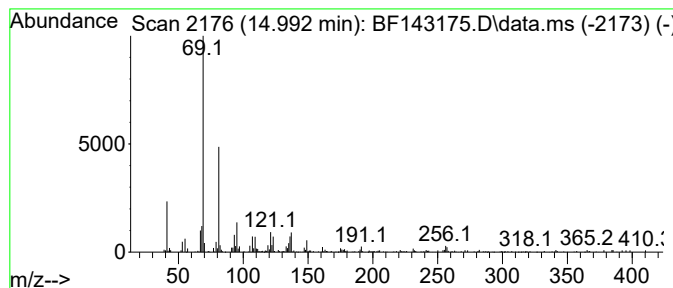
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.992	6.38 ng	123812	Perylene-d12	15.627

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Squalene	410	C30H50	000111-02-4	94
2			Supraene	410	C30H50	007683-64-9	93
3			5,9,13,17-Tetramethyl 4,8,12,16-...	332	C22H36O2	1000432-37-9	93
4			trans-Farnesol	222	C15H26O	000106-28-5	80
5			2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143175.D
Acq On : 21 Jul 2025 16:58
Operator : RC/JU
Sample : Q2651-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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...	2.287	21.8	ng	889400	1	6.963	815207	20.0
2-Pentanone, 4-...	5.187	5.1	ng	208586	1	6.963	815207	20.0
Benzophenone	10.704	3.3	ng	150940	3	9.998	909157	20.0
n-Hexadecanoic ...	12.004	13.0	ng	504983	4	11.480	778512	20.0
Octadecanoic acid	12.786	2.9	ng	113301	4	11.480	778512	20.0
3-Eicosene, (E)-	13.963	6.0	ng	230441	5	14.121	762920	20.0
Triphenylphosph...	14.210	2.2	ng	83887	5	14.121	762920	20.0
Squalene	14.992	6.4	ng	123812	6	15.627	388070	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: EARTH03Lab Code: ACESDG No.: Q2651Instrument ID: BNA_FCalibration Date(s): 07/17/2025 07/17/2025Calibration Time(s): 11:04 14:34

LAB FILE ID:		RRF2.5 = BF143140.D			RRF005 = BF143141.D		RRF010 = BF143142.D	
		RRF020 = BF143143.D			RRF040 = BF143144.D		RRF050 = BF143145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.264	7.0
Benzaldehyde			1.167	1.163	1.443	1.411	1.193	18.1
Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.591	6.7
Phenol		1.882	1.767	1.776	1.711	1.788	1.733	6.4
bis(2-Chloroethyl)ether		1.419	1.343	1.379	1.303	1.361	1.327	5.4
2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.325	4.9
2-Methylphenol		1.178	1.111	1.141	1.097	1.160	1.114	4.6
2,2-oxybis(1-Chloropropane)		2.670	2.553	2.545	2.421	2.517	2.461	6.5
Acetophenone		0.527	0.504	0.501	0.455	0.476	0.474	8.6
3+4-Methylphenols			1.467	1.469	1.341	1.402	1.351	8.9
n-Nitroso-di-n-propylamine	1.101	1.111	1.051	1.028	0.986	1.023	1.021	6.8
Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.401	3.5
Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.502	4.7
Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.374	3.9
Isophorone		0.748	0.707	0.711	0.692	0.734	0.708	3.8
2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.162	11.2
2,4-Dimethylphenol		0.356	0.340	0.341	0.324	0.338	0.331	5.7
bis(2-Chloroethoxy)methane		0.463	0.437	0.442	0.413	0.430	0.425	6.3
2,4-Dichlorophenol		0.292	0.282	0.287	0.276	0.289	0.279	4.4
Naphthalene		1.118	1.038	1.032	0.954	0.986	0.985	8.9
4-Chloroaniline		0.437	0.417	0.419	0.390	0.408	0.402	6.3
Hexachlorobutadiene		0.193	0.190	0.191	0.181	0.188	0.184	4.6
Caprolactam			0.078	0.084	0.087	0.091	0.084	5.3
4-Chloro-3-methylphenol		0.319	0.310	0.307	0.301	0.311	0.303	4.0
2-Methylnaphthalene		0.667	0.634	0.628	0.580	0.603	0.599	8.2
Hexachlorocyclopentadiene			0.337	0.373	0.373	0.404	0.376	6.1
2,4,6-Trichlorophenol		0.391	0.406	0.412	0.384	0.429	0.400	4.6
2-Fluorobiphenyl		1.761	1.644	1.547	1.358	1.414	1.462	13.6
2,4,5-Trichlorophenol		0.404	0.387	0.411	0.405	0.411	0.400	2.8
1,1-Biphenyl		1.748	1.667	1.640	1.489	1.553	1.560	8.6
2-Chloronaphthalene		1.268	1.223	1.192	1.103	1.166	1.155	7.1
2-Nitroaniline		0.305	0.333	0.372	0.377	0.396	0.362	8.9
Dimethylphthalate		1.422	1.340	1.340	1.279	1.325	1.304	6.2
Acenaphthylene		2.134	2.052	2.011	1.860	1.958	1.935	7.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: EARTH03Lab Code: ACESDG No.: Q2651Instrument ID: BNA_FCalibration Date(s): 07/17/2025 07/17/2025Calibration Time(s): 11:04 14:34

LAB FILE ID:		RRF2.5 = BF143140.D			RRF005 = BF143141.D		RRF010 = BF143142.D	
		RRF020 = BF143143.D			RRF040 = BF143144.D		RRF050 = BF143145.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.225	0.250	0.272	0.278	0.289	0.265	8.1
3-Nitroaniline		0.285	0.300	0.315	0.317	0.334	0.310	5.1
Acenaphthene		1.278	1.194	1.184	1.096	1.155	1.144	7.5
2,4-Dinitrophenol			0.051	0.081	0.104	0.116	0.098	28.0
4-Nitrophenol			0.200	0.228	0.246	0.250	0.232	7.7
Dibenzofuran		1.929	1.807	1.766	1.633	1.698	1.698	9.0
2,4-Dinitrotoluene		0.269	0.296	0.342	0.354	0.372	0.333	11.0
Diethylphthalate		1.377	1.322	1.335	1.269	1.329	1.289	5.8
4-Chlorophenyl-phenylether		0.710	0.670	0.657	0.612	0.633	0.635	7.9
Fluorene		1.480	1.402	1.322	1.212	1.257	1.274	10.8
4-Nitroaniline		0.236	0.255	0.266	0.280	0.289	0.266	6.4
4,6-Dinitro-2-methylphenol			0.054	0.087	0.097	0.110	0.094	22.9
n-Nitrosodiphenylamine		0.761	0.728	0.721	0.674	0.726	0.704	6.0
2,4,6-Tribromophenol		0.200	0.202	0.212	0.210	0.218	0.207	3.5
4-Bromophenyl-phenylether		0.252	0.238	0.241	0.228	0.247	0.238	4.3
Hexachlorobenzene		0.269	0.248	0.252	0.239	0.258	0.249	4.8
Atrazine		0.184	0.187	0.198	0.196	0.208	0.194	4.3
Pentachlorophenol			0.119	0.146	0.148	0.160	0.147	9.7
Phenanthrene		1.191	1.100	1.117	1.020	1.069	1.062	8.0
Anthracene		1.184	1.136	1.134	1.038	1.095	1.083	7.1
Carbazole		1.042	0.969	0.982	0.929	0.963	0.946	6.9
Di-n-butylphthalate		1.076	1.054	1.129	1.074	1.119	1.070	4.4
Fluoranthene		1.085	0.987	1.018	0.953	0.979	0.975	6.9
Pyrene		1.909	1.783	1.783	1.715	1.740	1.707	8.7
Terphenyl-d14		1.567	1.456	1.419	1.311	1.342	1.344	11.4
Butylbenzylphthalate		0.438	0.472	0.536	0.544	0.582	0.523	9.6
3,3-Dichlorobenzidine			0.437	0.495	0.429	0.476	0.446	7.6
Benzo (a) anthracene		1.374	1.367	1.381	1.282	1.422	1.339	4.9
Chrysene		1.282	1.174	1.247	1.206	1.218	1.204	4.3
Bis (2-ethylhexyl) phthalate		0.691	0.755	0.824	0.789	0.862	0.791	7.0
Di-n-octyl phthalate			1.274	1.428	1.384	1.550	1.434	6.8
Benzo (b) fluoranthene		1.231	1.136	1.287	1.147	1.352	1.222	6.3
Benzo (k) fluoranthene		1.168	1.152	1.093	1.134	1.069	1.090	7.1
Benzo (a) pyrene		1.129	1.102	1.147	1.121	1.192	1.126	3.4
Indeno (1,2,3-cd) pyrene		1.424	1.336	1.430	1.413	1.505	1.410	3.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: EARTH03Lab Code: ACESDG No.: Q2651Instrument ID: BNA_FCalibration Date(s): 07/17/2025 07/17/2025Calibration Time(s): 11:04 14:34

LAB FILE ID:		RRF2.5 = BF143140.D		RRF005 = BF143141.D		RRF010 = BF143142.D		
		RRF020 = BF143143.D		RRF040 = BF143144.D		RRF050 = BF143145.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.159	1.103	1.179	1.147	1.221	1.148	3.9
Benzo(g,h,i)perylene		1.100	1.047	1.140	1.109	1.196	1.110	4.4
1,2,4,5-Tetrachlorobenzene		0.638	0.598	0.601	0.550	0.582	0.577	6.9
1,4-Dioxane		0.622	0.582	0.614	0.600	0.625	0.598	4.1
2,3,4,6-Tetrachlorophenol		0.321	0.331	0.345	0.333	0.351	0.331	4.3

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-BF071725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 17 15:14:05 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF143147.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598		4.09
3)	Pyridine	1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552		3.88
4)	n-Nitrosodimet...		0.776	0.799	0.810	0.851	0.804	0.768	0.801		3.66
5) S	2-Fluorophenol	1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264		7.00
6)	Aniline	2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217		4.86
7) S	Phenol-d6	1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591		6.72
8)	2-Chlorophenol	1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325		4.87
9)	Benzaldehyde		1.167	1.163	1.443	1.411	1.122	0.851	1.193		18.13
10) C	Phenol	1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733		6.37
11)	bis(2-Chloroet...	1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327		5.40
12)	1,3-Dichlorobe...	1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439		7.18
13) C	1,4-Dichlorobe...	1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449		7.52
14)	1,2-Dichlorobe...	1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378		6.96
15)	Benzyl Alcohol		1.214	1.246	1.215	1.278	1.193	1.141	1.215		3.85
16)	2,2'-oxybis(1-...	2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461		6.55
17)	2-Methylphenol	1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114		4.61
18)	Hexachloroethane	0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502		4.68
19) P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)	3+4-Methylphenols		1.467	1.469	1.341	1.402	1.268	1.162	1.351		8.95
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474		8.65
23) S	Nitrobenzene-d5	0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401		3.47
24)	Nitrobenzene	0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374		3.88
25)	Isophorone	0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708		3.75
26) C	2-Nitrophenol	0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162		11.25
27)	2,4-Dimethylph...	0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331		5.70
28)	bis(2-Chloroet...	0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425		6.28
29) C	2,4-Dichloroph...	0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279		4.44
30)	1,2,4-Trichlor...	0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302		6.43
31)	Naphthalene	1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985		8.91
32)	Benzoic acid		0.104	0.149	0.180	0.197	0.187	0.194	0.169		21.36
33)	4-Chloroaniline	0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402		6.33
34) C	Hexachlorobuta...	0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184		4.59
35)	Caprolactam		0.078	0.084	0.087	0.091	0.085	0.082	0.084		5.35
36) C	4-Chloro-3-met...	0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303		4.04
37)	2-Methylnaphth...	0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599		8.17
38)	1-Methylnaphth...	0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617		8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M

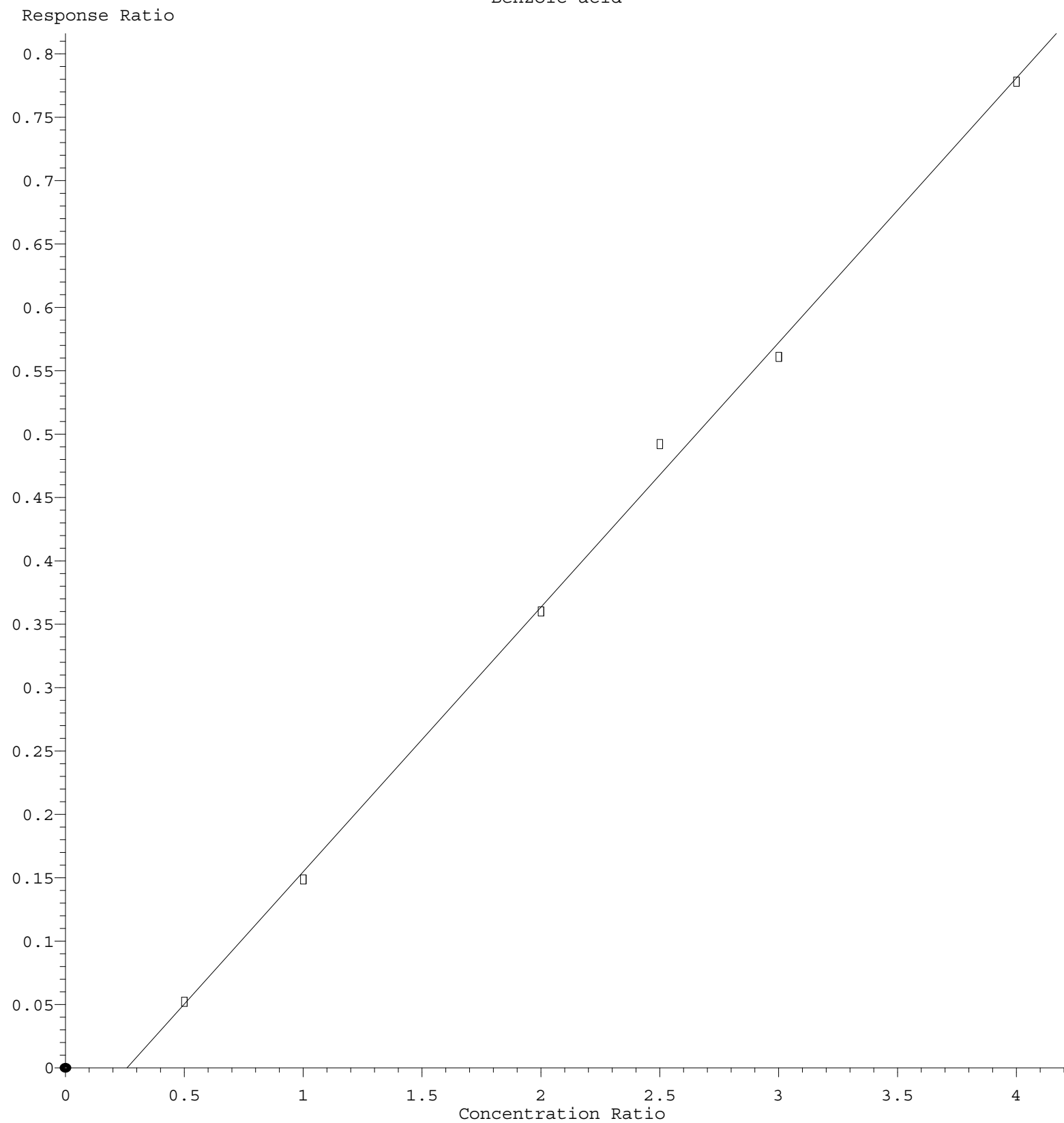
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93	
41) P	Hexachlorocycl...	0.337	0.373	0.373	0.404	0.393	0.374	0.376		6.14	
42) S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55	
43) C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63	
44)	2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76	
45) S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58	
46)	1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62	
47)	2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14	
48)	2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85	
49)	Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71	
50)	Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16	
51)	2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14	
52) C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53	
53)	3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13	
54) P	2,4-Dinitrophenol	0.051	0.081	0.104	0.116	0.118	0.121	0.098		28.02	
55)	Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02	
56) P	4-Nitrophenol	0.200	0.228	0.246	0.250	0.237	0.229	0.232		7.70	
57)	2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03	
58)	Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79	
59)	2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30	
60)	Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81	
61)	4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86	
62)	4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44	
63)	Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.054	0.087	0.097	0.110	0.109	0.109	0.094		22.88	
66) c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03	
67)	4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26	
68)	Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80	
69)	Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32	
70) C	Pentachlorophenol	0.119	0.146	0.148	0.160	0.155	0.150	0.147		9.70	
71)	Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98	
72)	Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13	
73)	Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93	
74)	Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36	
75) C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.758	0.844	0.953	0.697	0.601		0.771		17.53	
78)	Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72	
79) S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43	
80)	Butylbenzylpht...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61	
81)	Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86	
82)	3,3'-Dichlorob...	0.437	0.495	0.429	0.476	0.440	0.401	0.446		7.58	
83)	Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29	
84)	Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03	
85) c	Di-n-octyl pht...	1.274	1.428	1.384	1.550	1.508	1.461	1.434		6.83	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)	Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)	Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90) C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)	Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)	Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

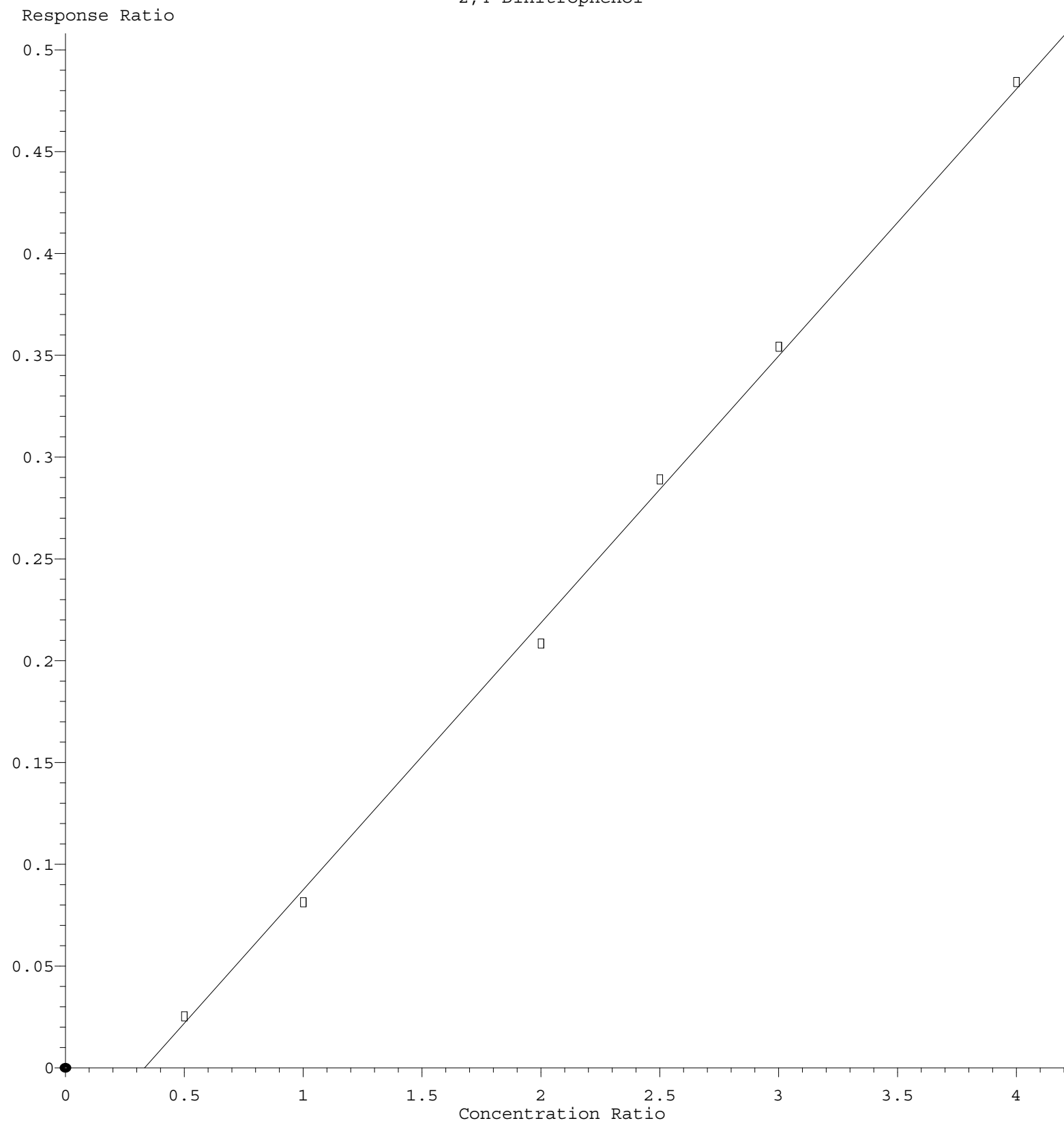
(#) = Out of Range

Benzoic acid



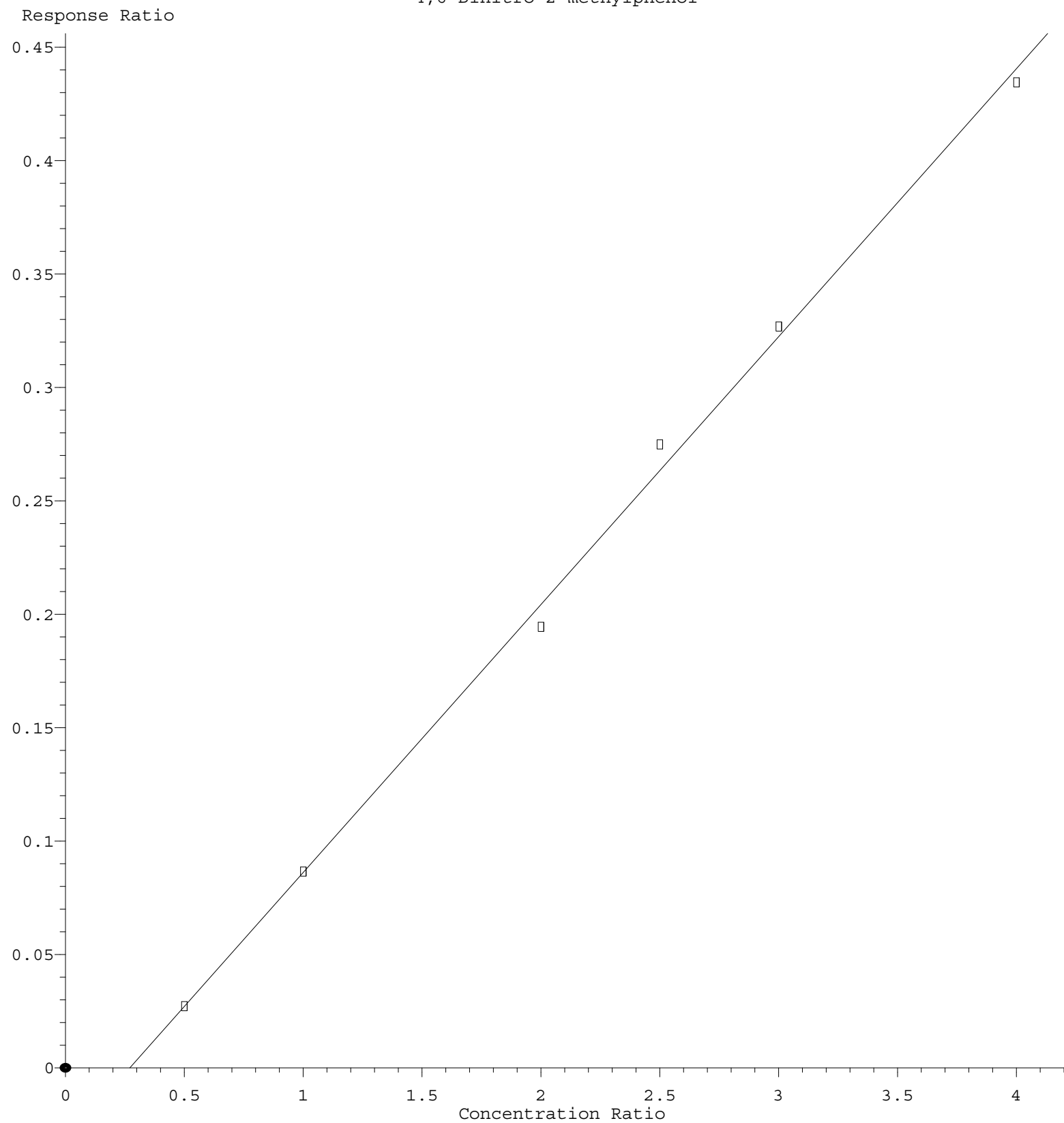
Response = $2.090 \times 10^{-1} \times \text{Amt} - 5.410 \times 10^{-2}$
 Coef of Det (r^2) = 0.998491 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
 Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

2,4-Dinitrophenol



Response = $1.311e-001 * Amt - 4.369e-002$
 Coef of Det (r^2) = 0.998465 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
 Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

4,6-Dinitro-2-methylphenol



Response = 1.182e-001 * Amt - 3.198e-002
 Coef of Det (r^2) = 0.998318 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071725.M
 Calibration Table Last Updated: Thu Jul 17 15:14:05 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143140.D
 Acq On : 17 Jul 2025 11:04
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

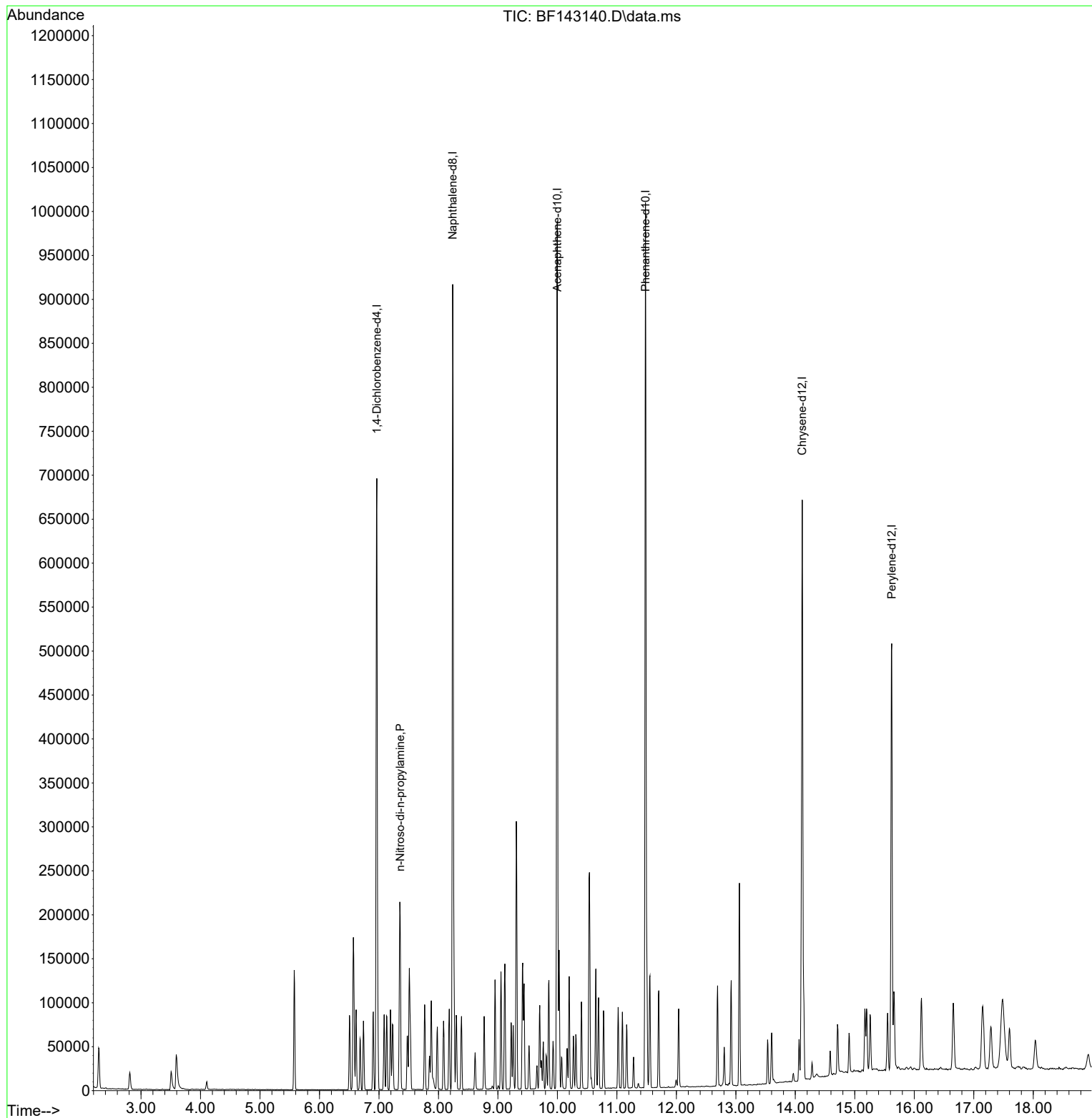
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	139766	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	547280	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293149	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	492765	20.000	ng	0.00
76) Chrysene-d12	14.116	240	283469	20.000	ng	0.00
86) Perylene-d12	15.621	264	284847	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...	7.357	70	19227	2.696	ng	96

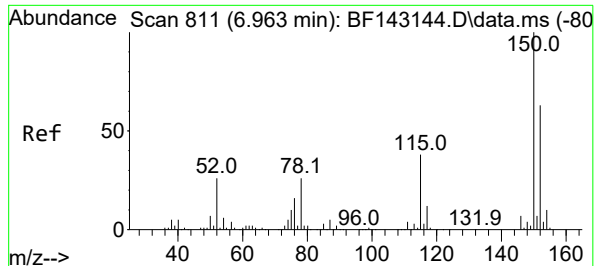
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.963 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143140.D

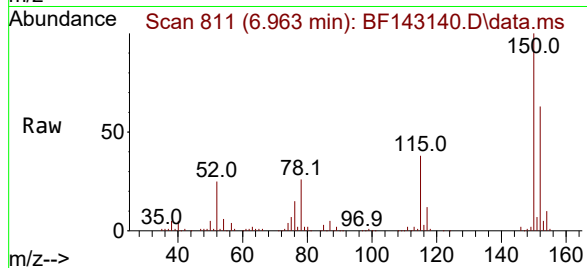
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



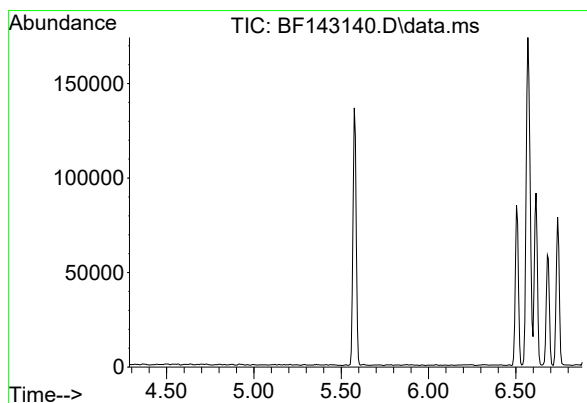
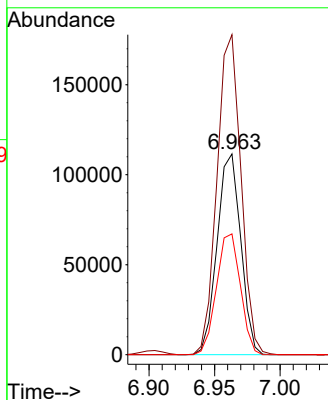
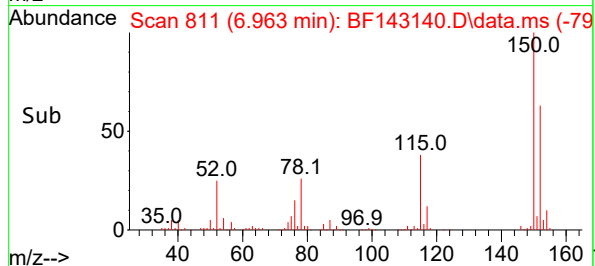
Tgt Ion:152 Resp: 139766

Ion Ratio Lower Upper

152 100

150 159.4 128.2 192.4

115 60.2 47.9 71.9



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.59 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

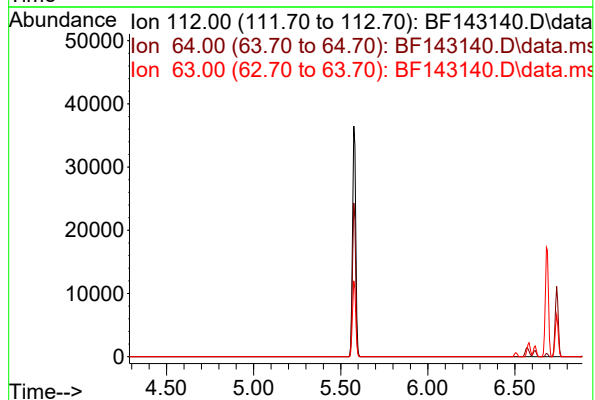
Tgt Ion: 112

Sig Exp Ratio

112 100

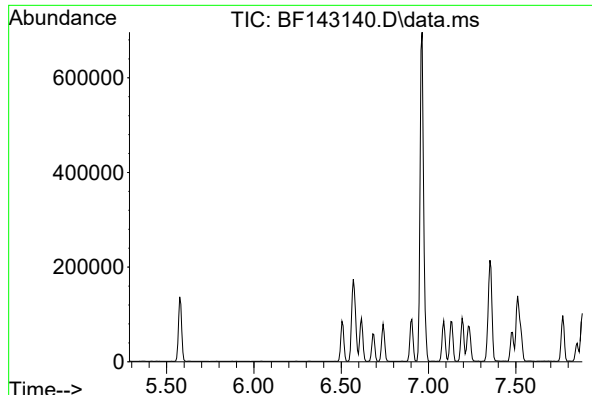
64 66.4

63 33.3



Ion 64.00 (63.70 to 64.70): BF143140.D\data.ms

Ion 63.00 (62.70 to 63.70): BF143140.D\data.ms



#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.59 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

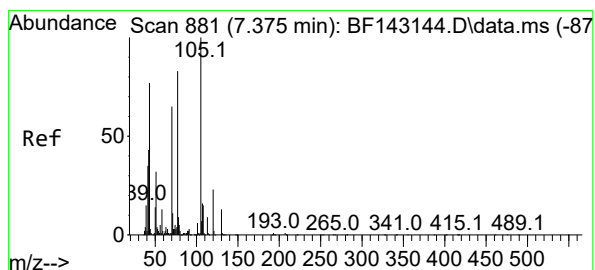
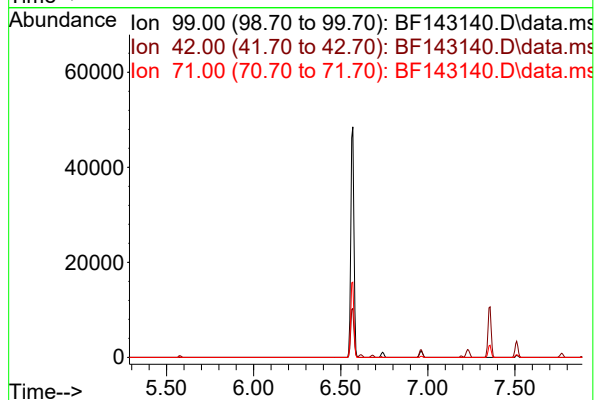
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.3

71 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.696 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.017 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Tgt Ion: 70 Resp: 19227

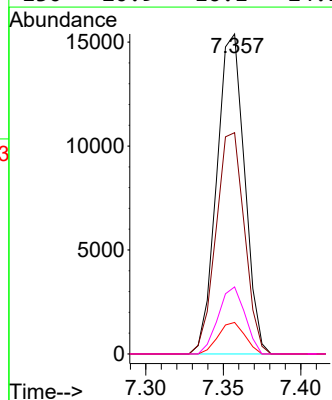
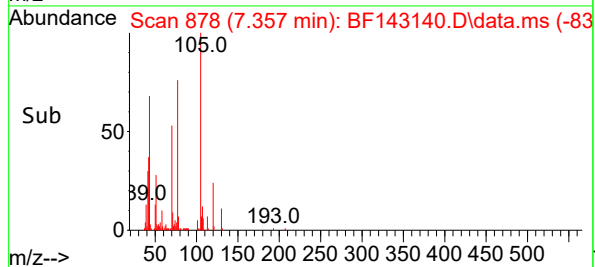
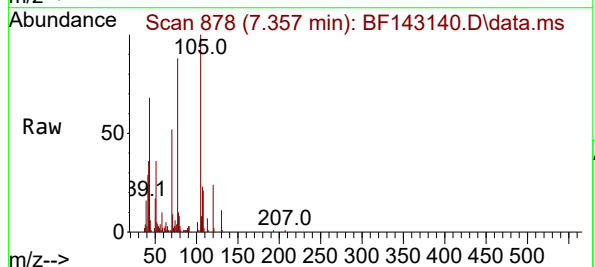
Ion Ratio Lower Upper

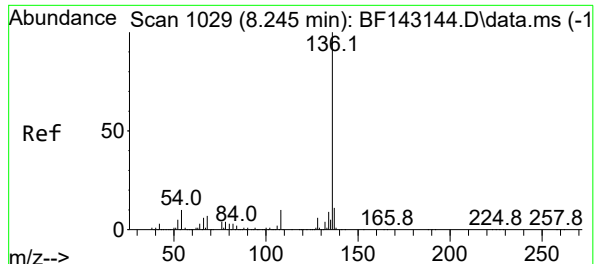
70 100

42 69.2 52.5 78.7

101 9.9 7.6 11.4

130 20.9 16.1 24.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.240 min Scan# 10

Delta R.T. -0.005 min

Lab File: BF143140.D

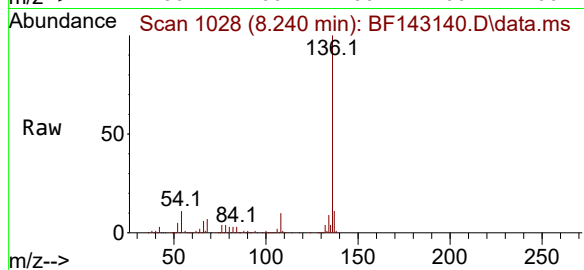
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

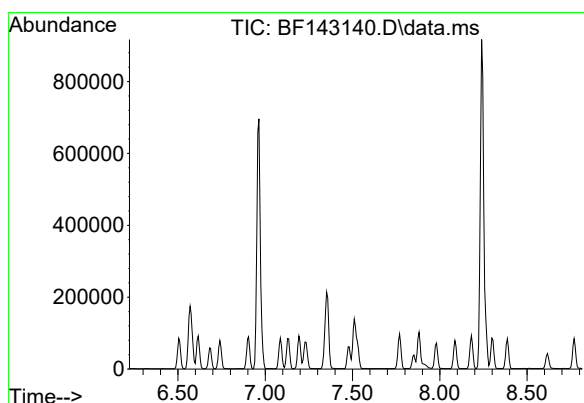
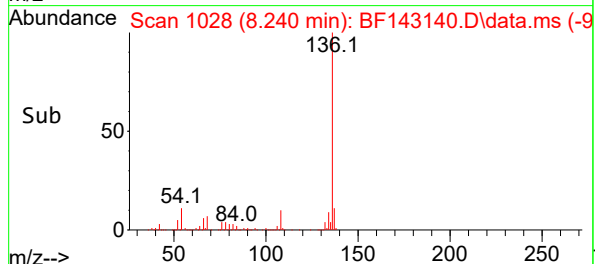
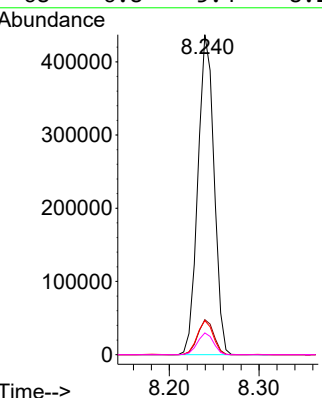
ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 547280

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	6.8	5.4	8.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

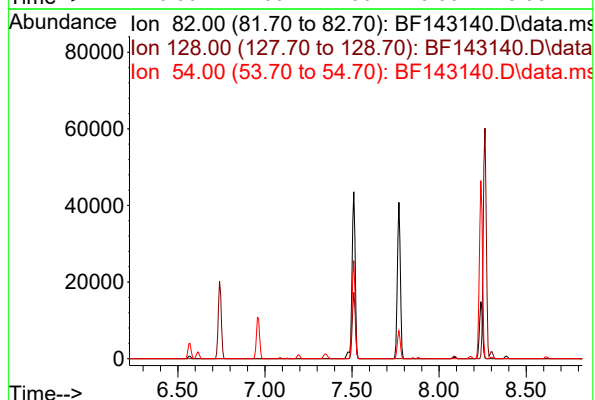
Expected RT: 7.52 min

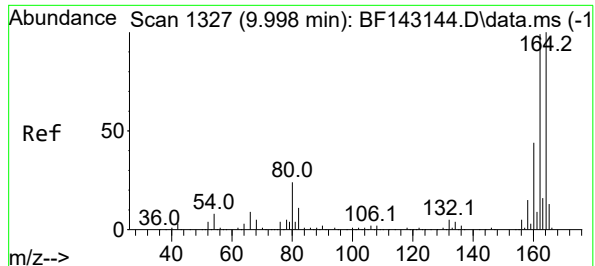
Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.0
54	58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

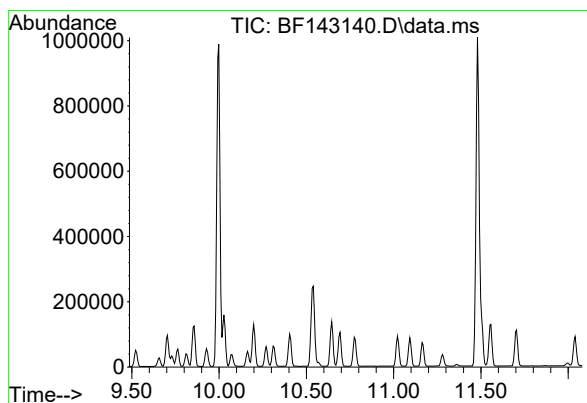
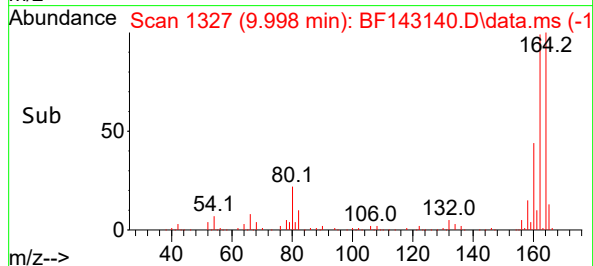
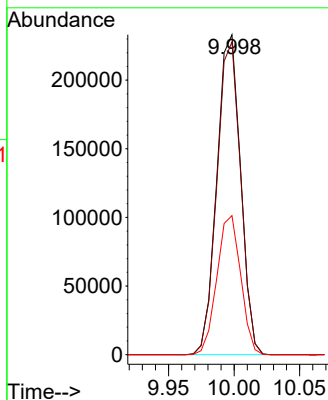
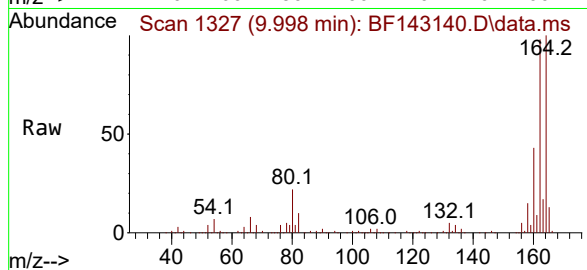
Tgt Ion:164 Resp: 293149

Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

160 43.5 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.79 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

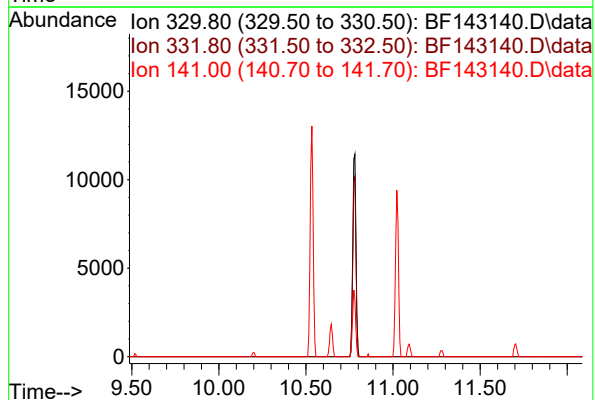
Tgt Ion: 330

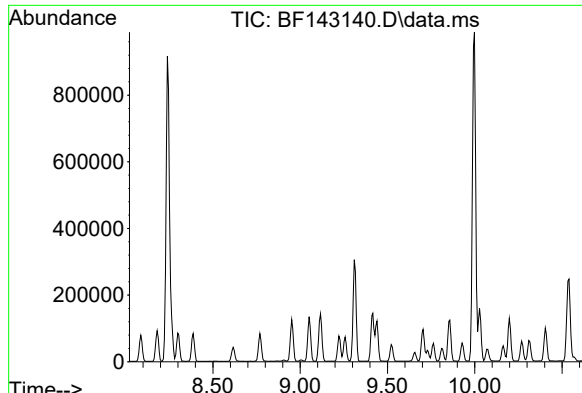
Sig Exp Ratio

330 100

332 95.9

141 29.1





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 9.32 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

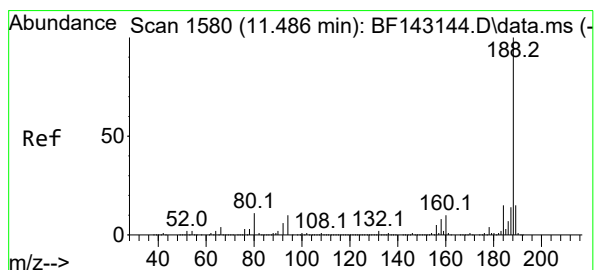
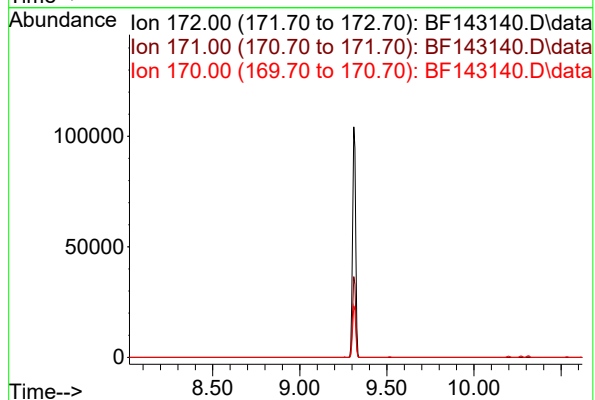
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.7

170 23.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.481 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143140.D

Acq: 17 Jul 2025 11:04

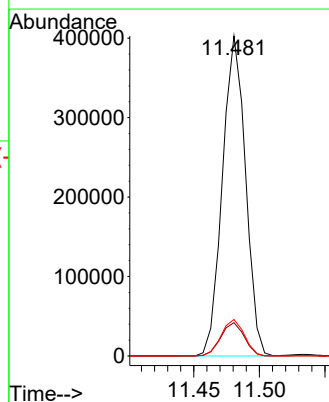
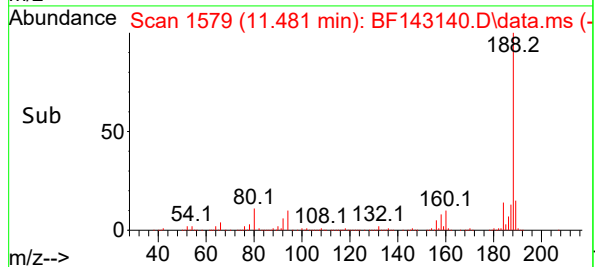
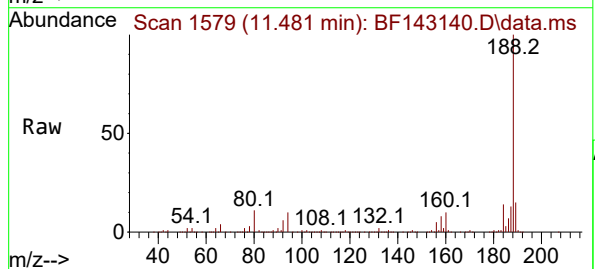
Tgt Ion:188 Resp: 492765

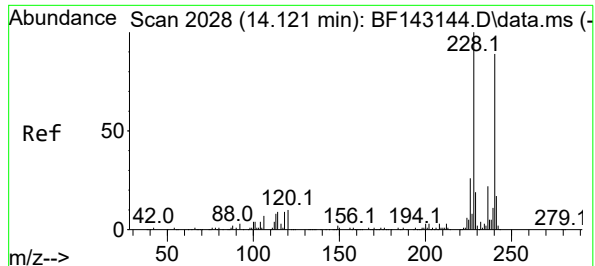
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

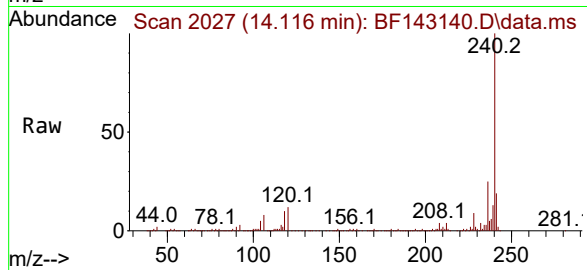
80 11.4 9.0 13.6



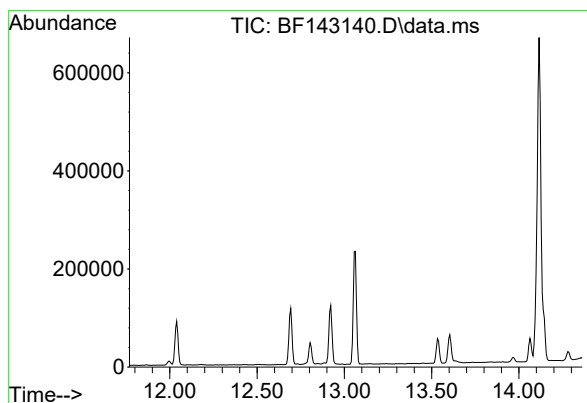
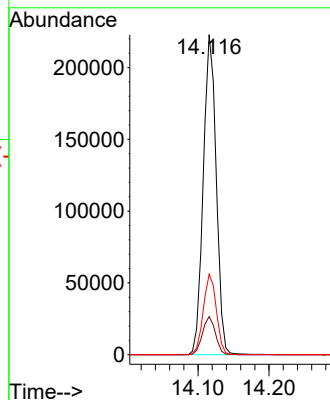
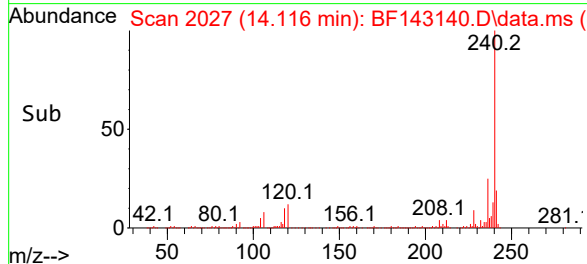


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



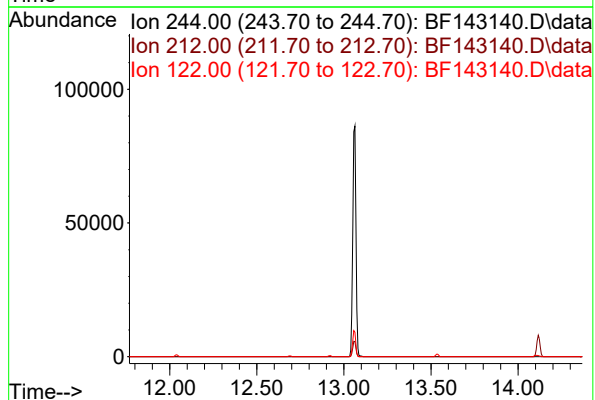
Tgt Ion:240 Resp: 283469
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4

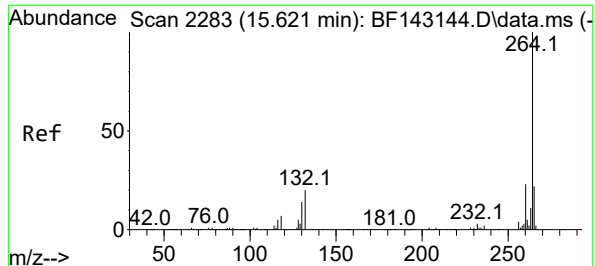


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.5
122 10.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143140.D

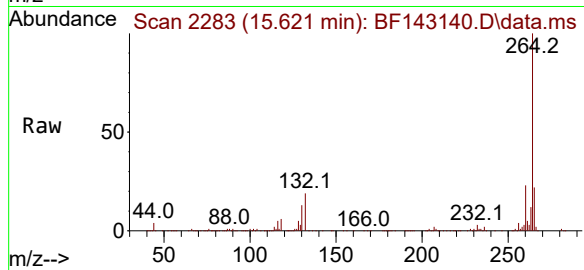
Acq: 17 Jul 2025 11:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



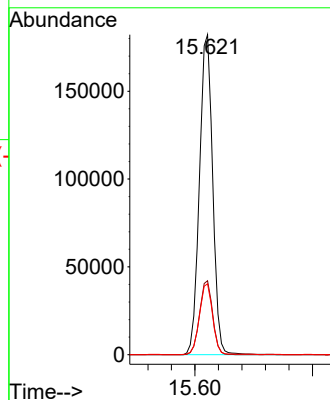
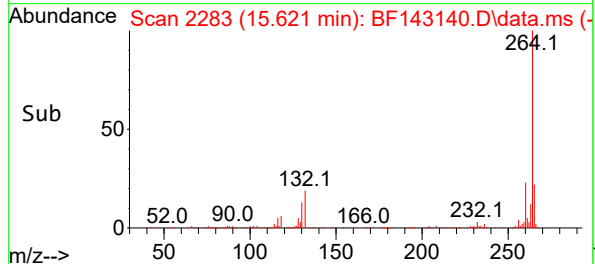
Tgt Ion:264 Resp: 284847

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.1 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng	0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng	0.00
86) Perylene-d12	15.615	264	255898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	89958	10.955	ng	0.00
7) Phenol-d6	6.569	99	112575	10.892	ng	-0.02
23) Nitrobenzene-d5	7.510	82	102749m	10.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng	-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng	97
3) Pyridine	3.587	79	52981	5.254	ng	99
6) Aniline	6.616	93	75811	5.263	ng	99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng	98
10) Phenol	6.581	94	61148	5.431	ng	99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng	98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng	98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng	100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng	100
17) 2-Methylphenol	7.192	107	38278	5.289	ng	97
18) Hexachloroethane	7.481	117	16944	5.198	ng	97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng	98
22) Acetophenone	7.357	105	66559	5.569	ng	# 98
24) Nitrobenzene	7.528	77	47902	5.074	ng	96
25) Isophorone	7.769	82	94372	5.279	ng	99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng	98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng	99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng	99
31) Naphthalene	8.263	128	141099	5.676	ng	99
33) 4-Chloroaniline	8.304	127	55130	5.431	ng	98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng	100
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng	98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng	98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng	100
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng	100
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng	98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng	100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng	98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng	95
49) Acenaphthylene	9.857	152	140525	5.514	ng	98
50) Dimethylphthalate	9.704	163	93611	5.452	ng	99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng	90

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143141.D
 Acq On : 17 Jul 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

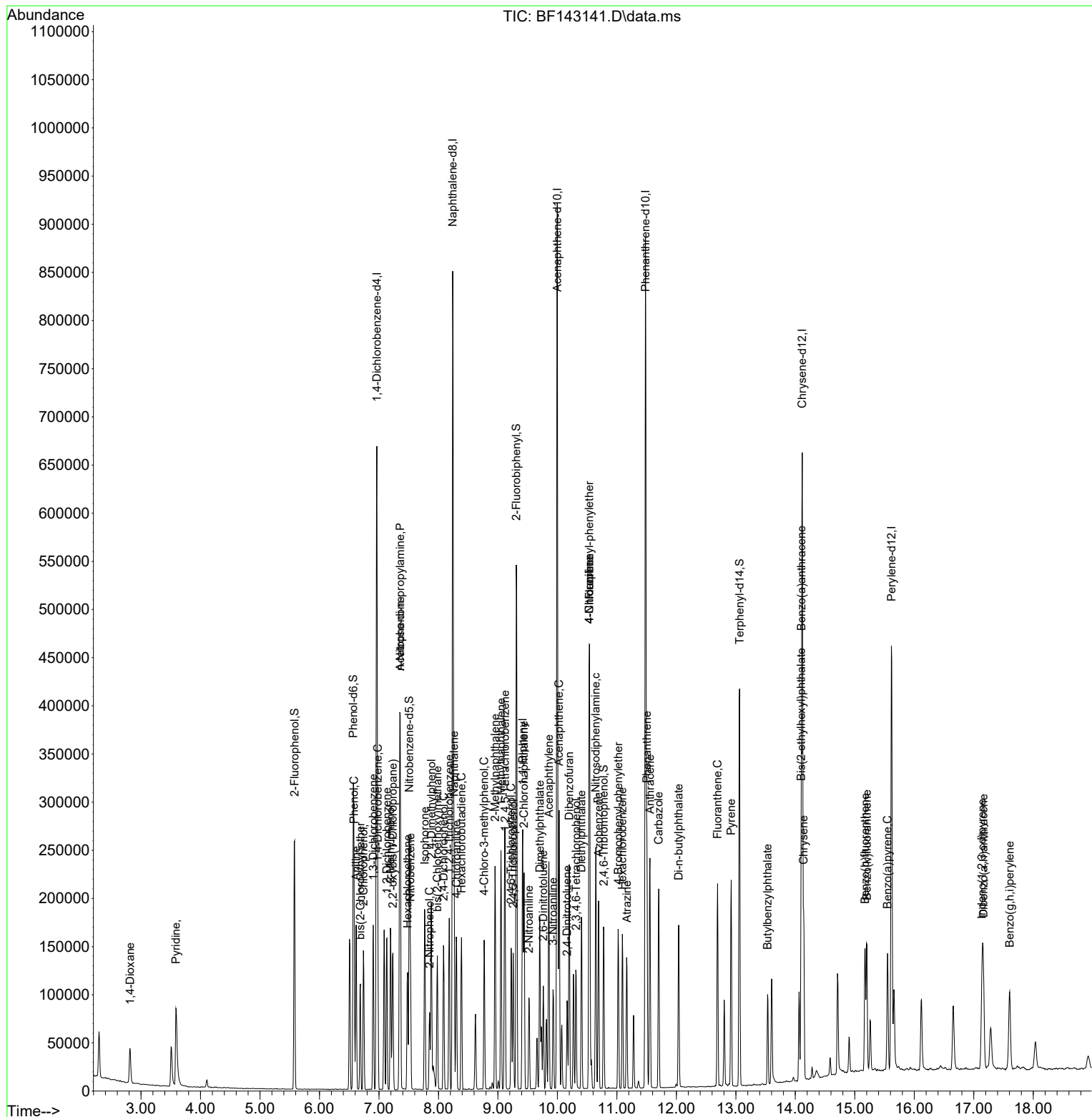
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	10.028	154	84160	5.588	ng	99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng	94
55) Dibenzofuran	10.198	168	127035	5.681	ng	97
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng	92
58) Fluorene	10.539	166	97477	5.808	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	# 97
60) Diethylphthalate	10.404	149	90651	5.342	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng	98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng	96
63) Azobenzene	10.692	77	95602	5.405	ng	99
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng	97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng	98
69) Atrazine	11.169	200	19865	4.733	ng	99
71) Phenanthrene	11.504	178	128762	5.609	ng	100
72) Anthracene	11.557	178	127938	5.465	ng	98
73) Carbazole	11.704	167	112588	5.507	ng	99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng	99
75) Fluoranthene	12.692	202	117249	5.565	ng	99
78) Pyrene	12.922	202	120767	5.593	ng	98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng	97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng	98
83) Chrysene	14.139	228	81091	5.325	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng	99
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng	100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng	99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng	98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng	100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng	99

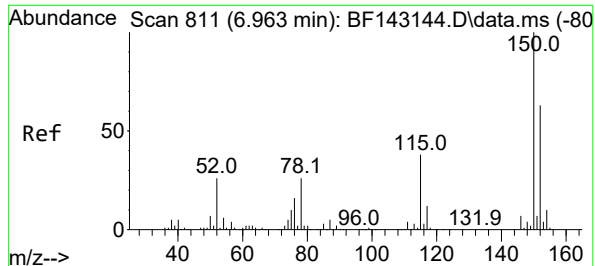
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

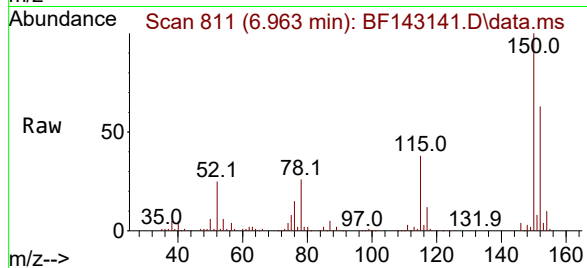
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

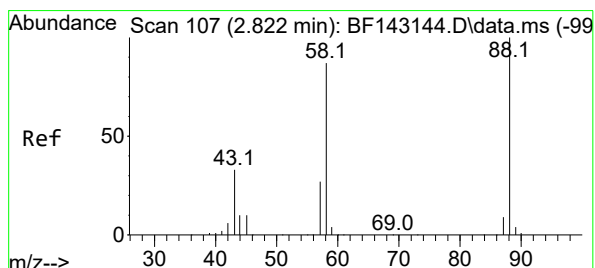
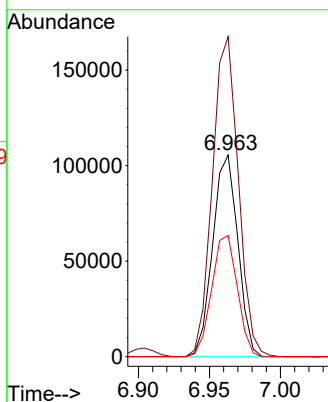
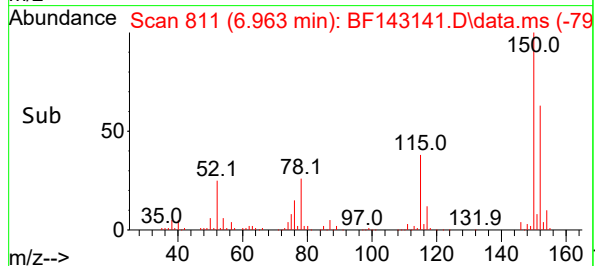
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 12994
Ion Ratio Lower Upper
152 100
150 158.7 128.2 192.4
115 60.2 47.9 71.9

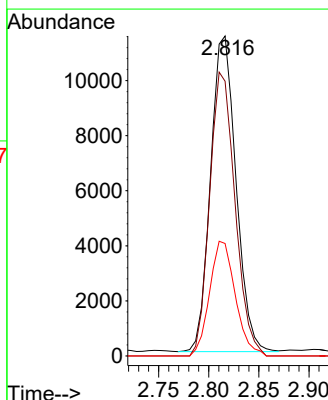
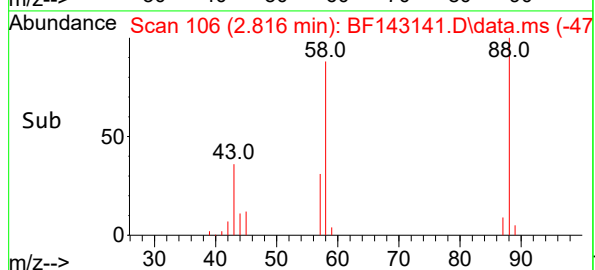
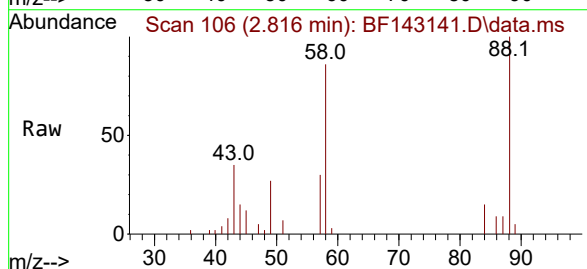
Manual Integrations
APPROVED

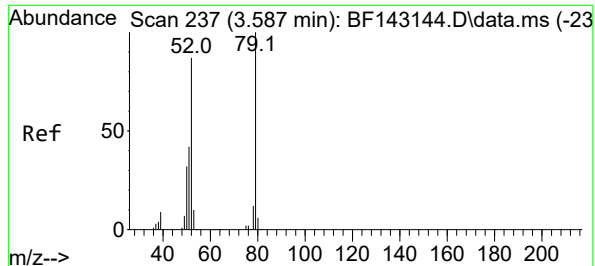
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208
Ion Ratio Lower Upper
88 100
58 89.6 70.2 105.2
43 36.7 27.1 40.7





#3

Pyridine

Concen: 5.254 ng

RT: 3.587 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 79 Resp: 5298

Ion Ratio Lower Upper

79 100

52 86.1 69.4 104.2

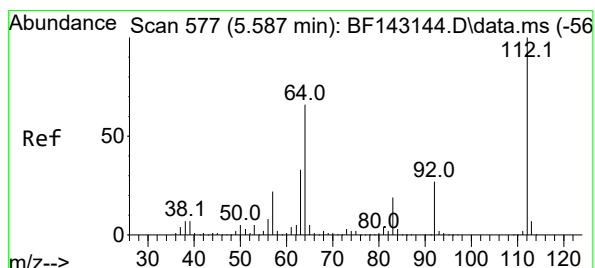
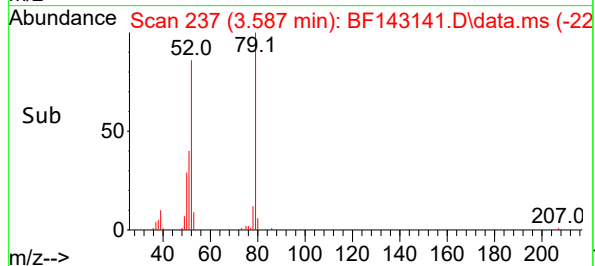
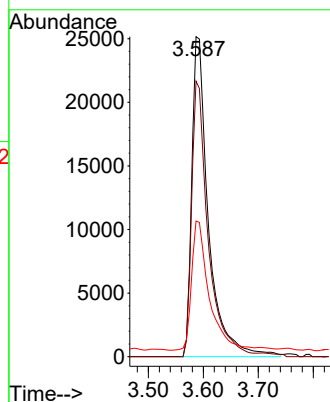
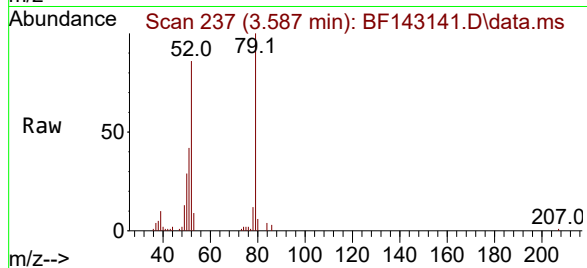
51 42.4 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#5

2-Fluorophenol

Concen: 10.955 ng

RT: 5.581 min Scan# 576

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

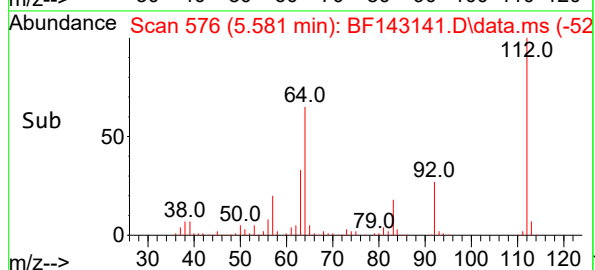
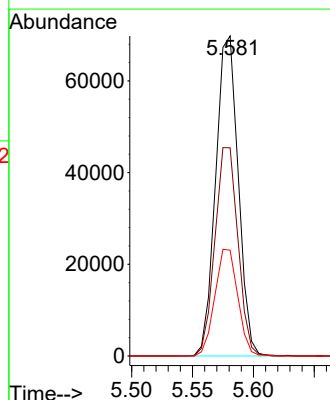
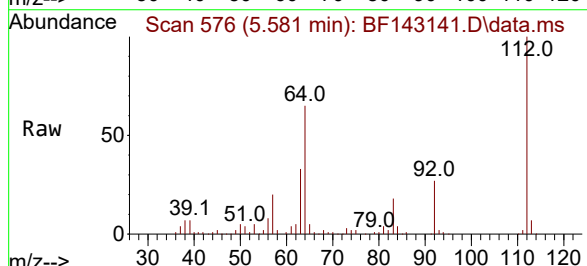
Tgt Ion:112 Resp: 89958

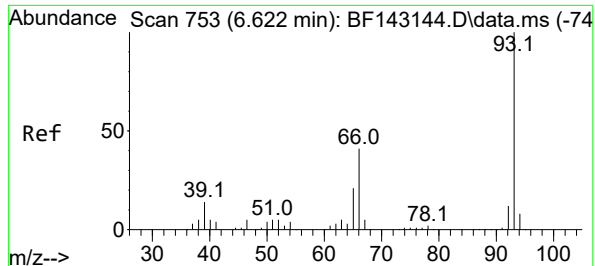
Ion Ratio Lower Upper

112 100

64 65.1 53.1 79.7

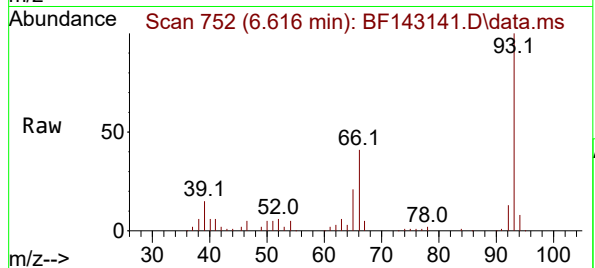
63 33.1 26.6 40.0





#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

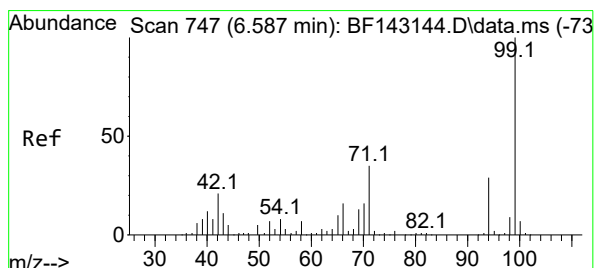
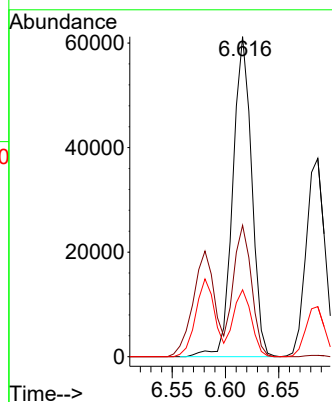
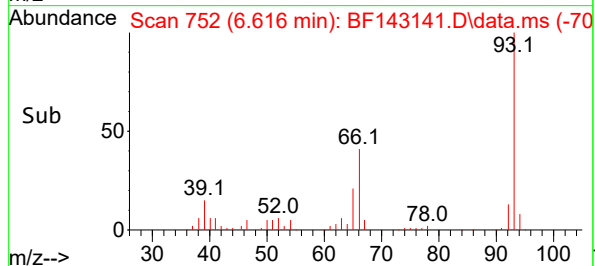
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 93 Resp: 7581
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.9 16.9 25.3

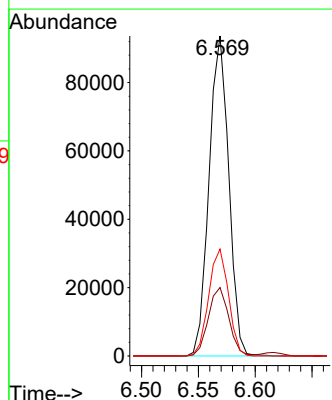
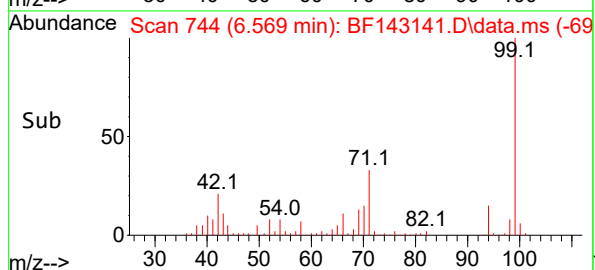
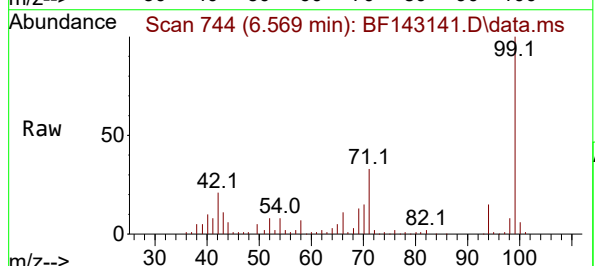
Manual Integrations
APPROVED

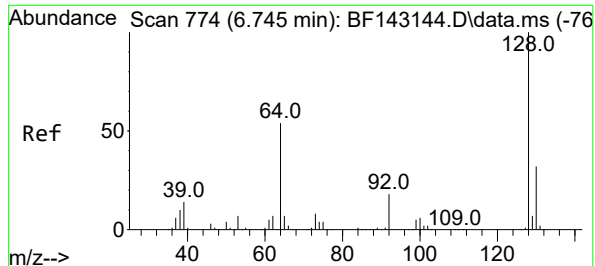
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

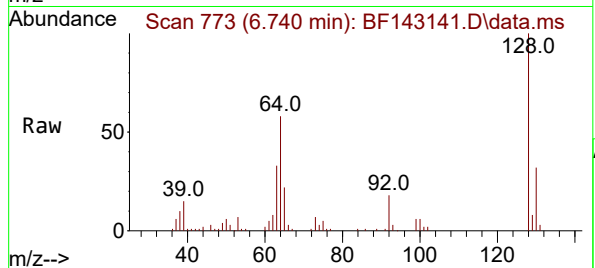
Tgt Ion: 99 Resp: 112575
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 33.4 27.7 41.5





#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

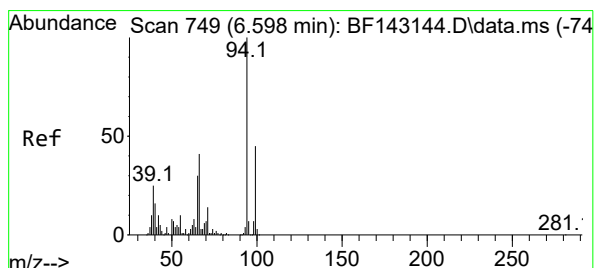
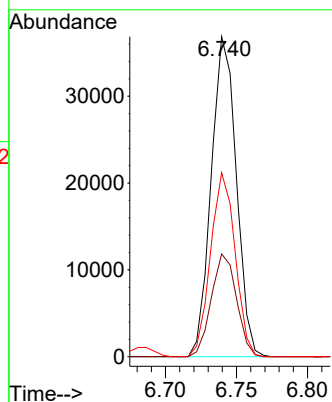
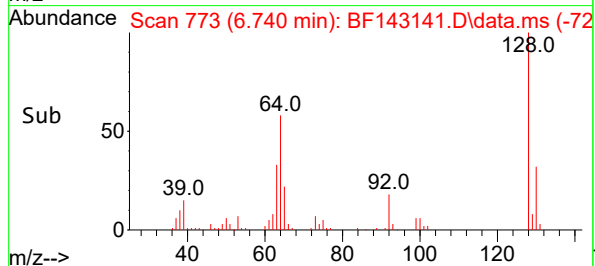
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 4520
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 57.5 35.9 75.9

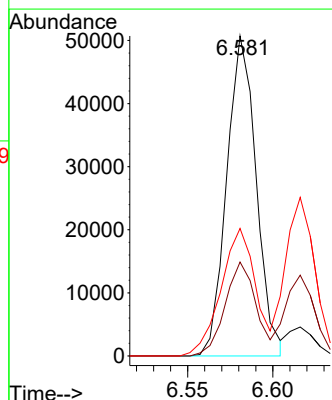
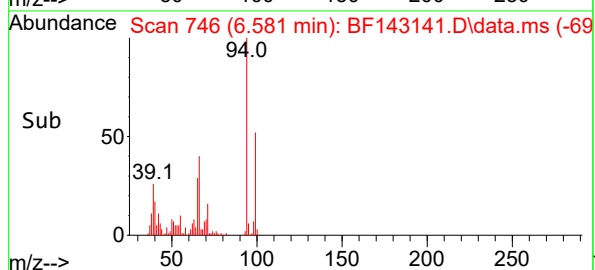
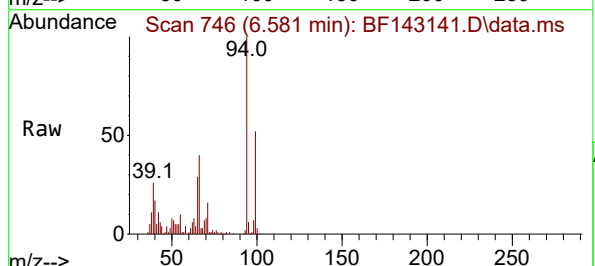
Manual Integrations
APPROVED

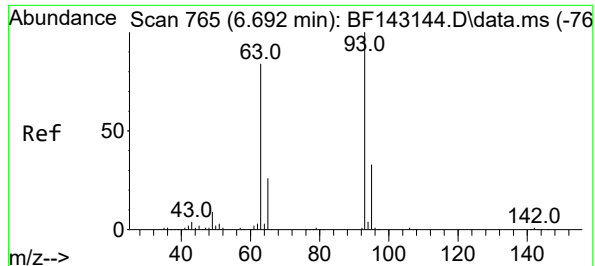
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148
Ion Ratio Lower Upper
94 100
65 29.4 10.0 50.0
66 39.8 20.8 60.8





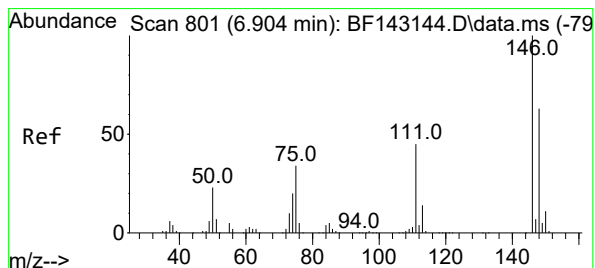
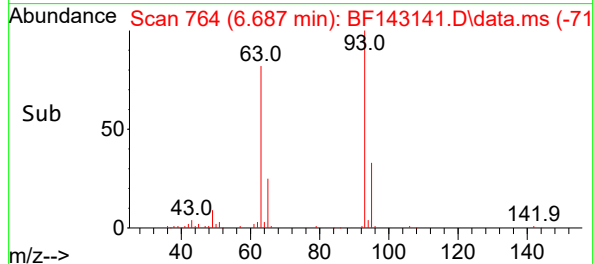
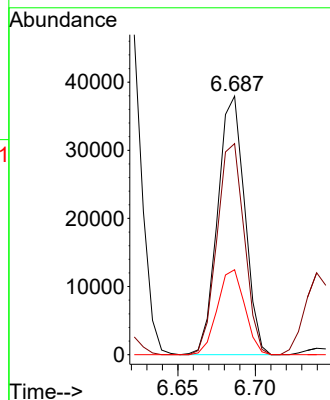
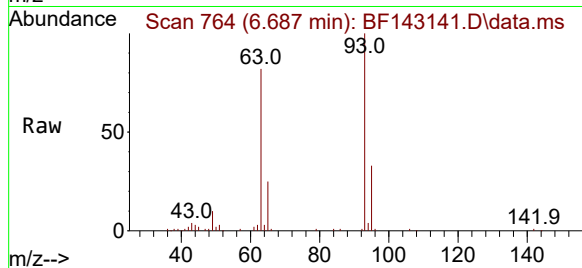
#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 4608
Ion Ratio Lower Upper
93 100
63 81.6 63.4 103.4
95 32.9 12.4 52.4

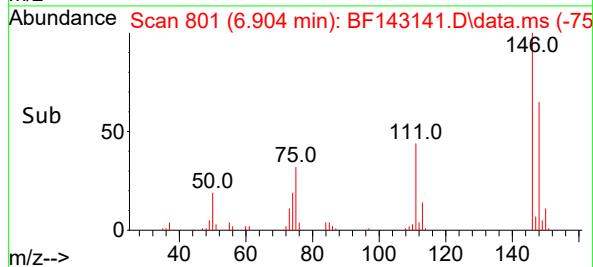
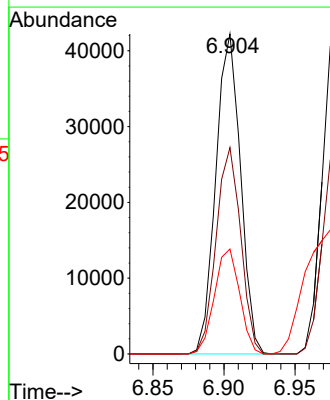
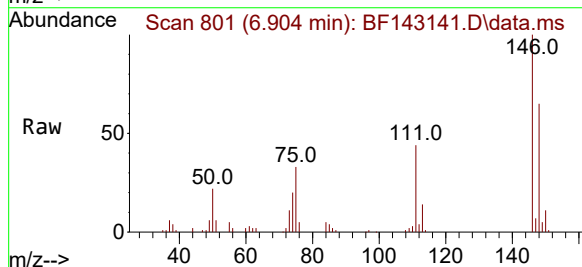
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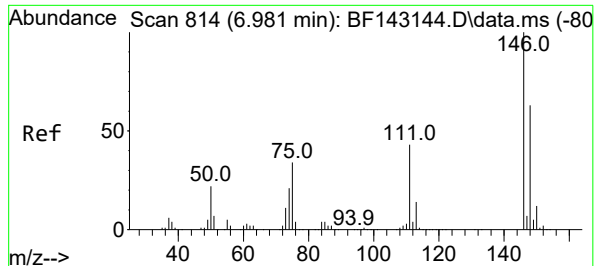
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 51056
Ion Ratio Lower Upper
146 100
148 64.5 50.6 76.0
75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 5.526 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 5203

Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

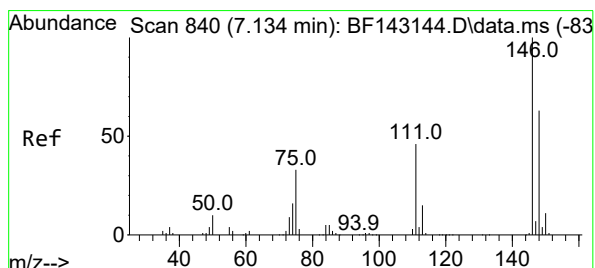
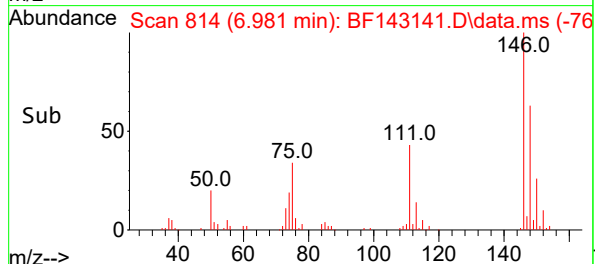
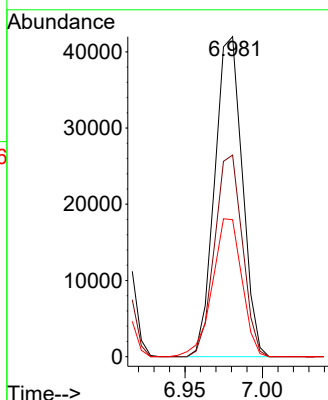
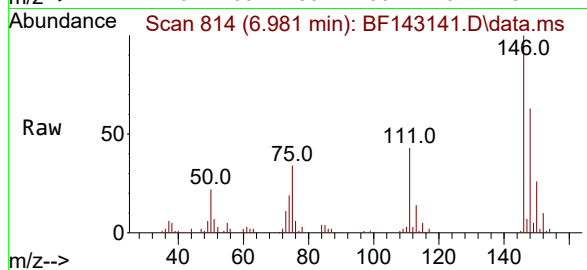
111 42.8 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 5.474 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

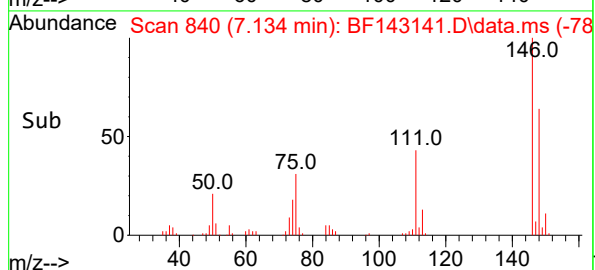
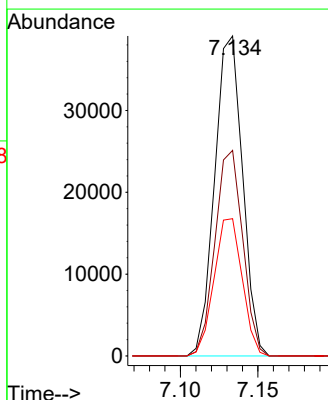
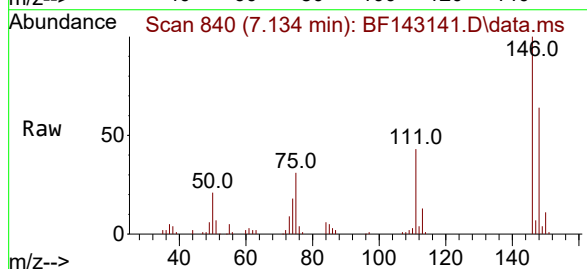
Tgt Ion:146 Resp: 49028

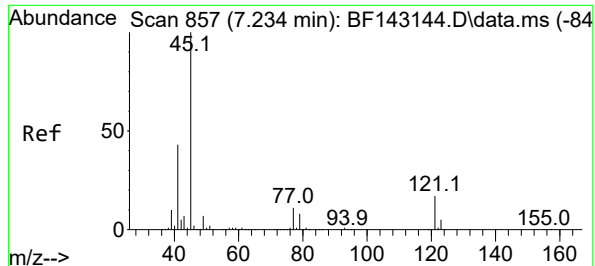
Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

111 42.9 36.6 54.8





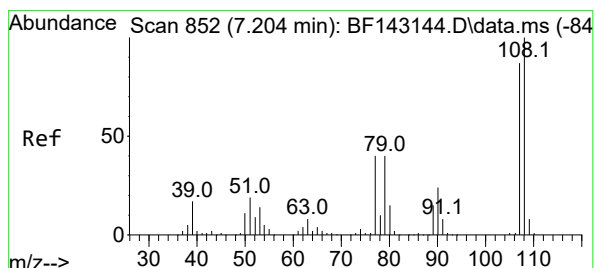
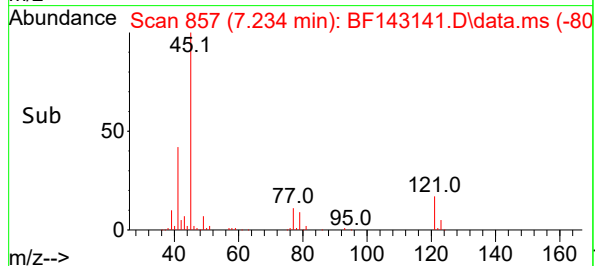
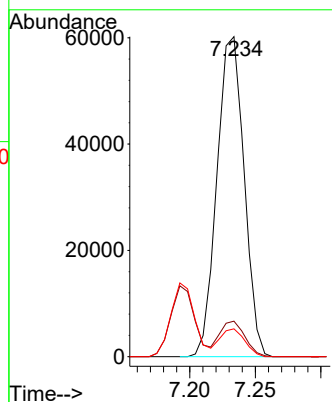
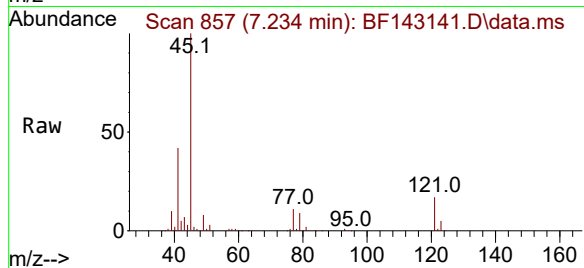
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 8672
Ion Ratio Lower Upper
45 100
77 11.1 0.0 31.2
79 8.7 0.0 28.5

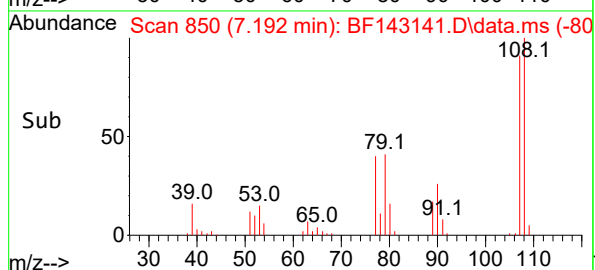
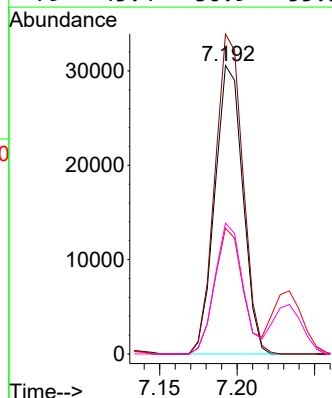
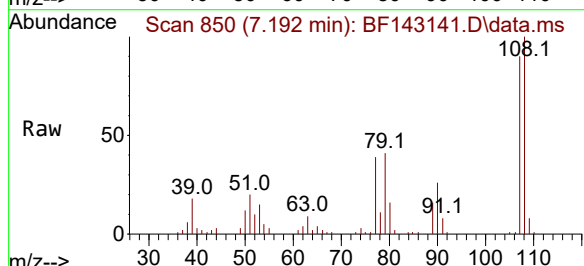
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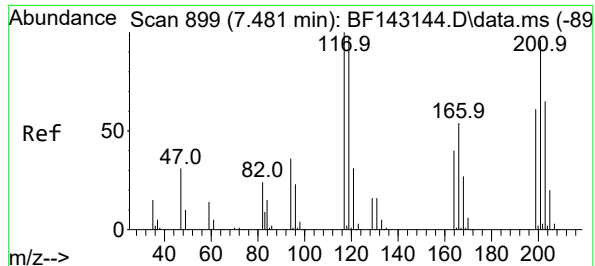
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 38278
Ion Ratio Lower Upper
107 100
108 110.9 91.8 137.6
77 43.6 37.0 55.6
79 45.4 36.9 55.3





#18

Hexachloroethane

Concen: 5.198 ng

RT: 7.481 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:117 Resp: 1694

Ion Ratio Lower Upper

117 100

119 99.4 77.8 116.8

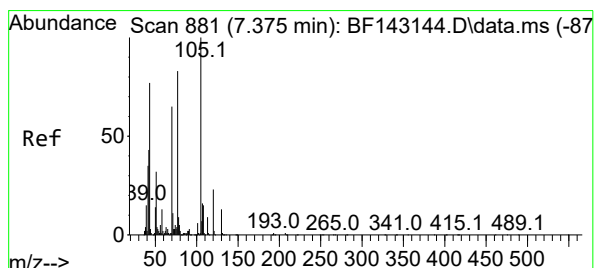
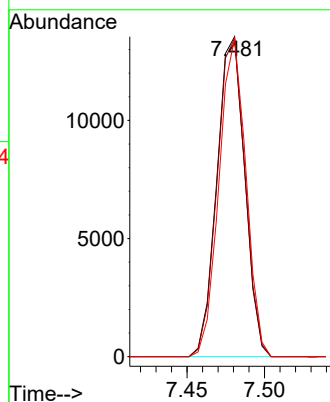
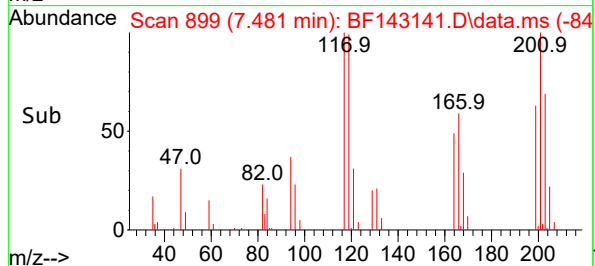
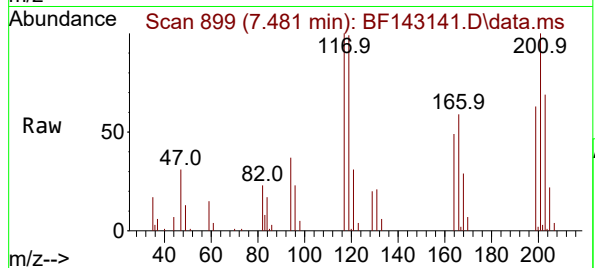
201 99.6 77.0 115.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#19

n-Nitroso-di-n-propylamine

Concen: 5.445 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion: 70 Resp: 36103

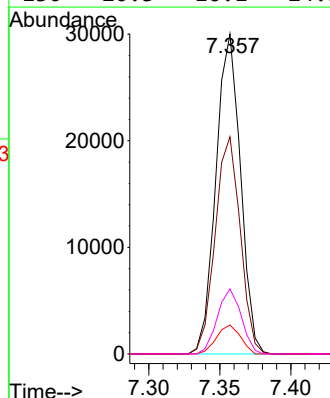
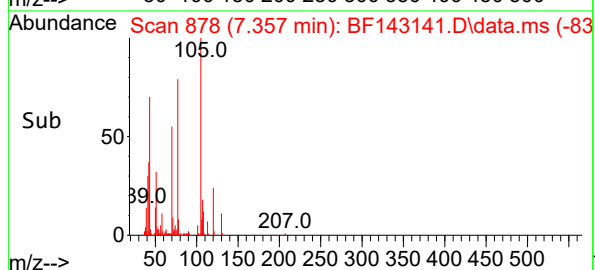
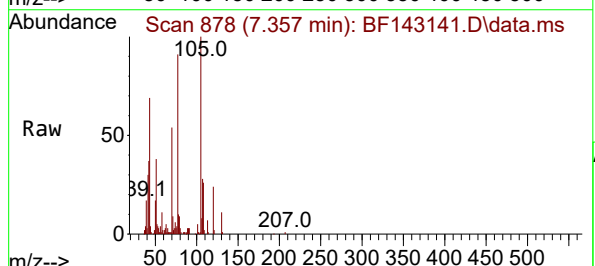
Ion Ratio Lower Upper

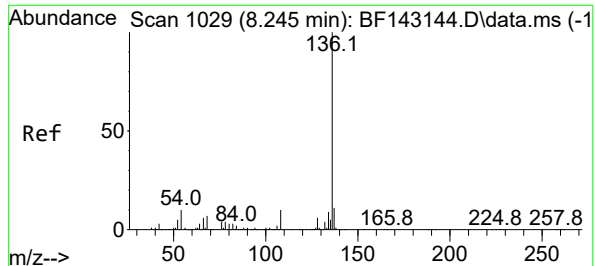
70 100

42 67.8 52.5 78.7

101 9.0 7.6 11.4

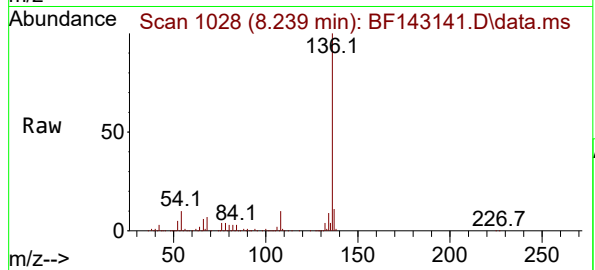
130 20.3 16.1 24.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

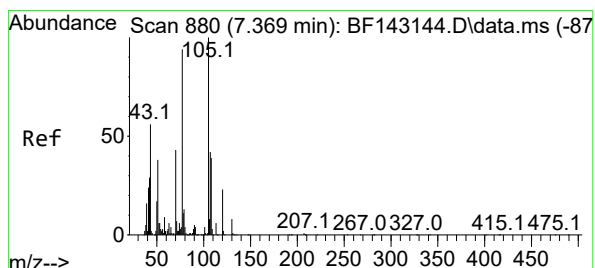
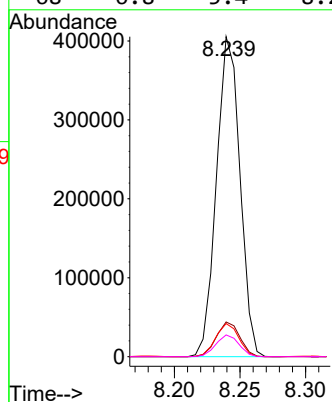
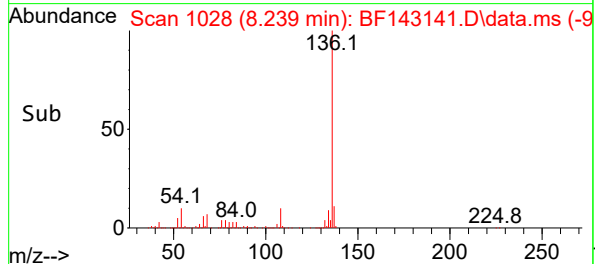
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 504790
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.3 8.2 12.2
68 6.8 5.4 8.2

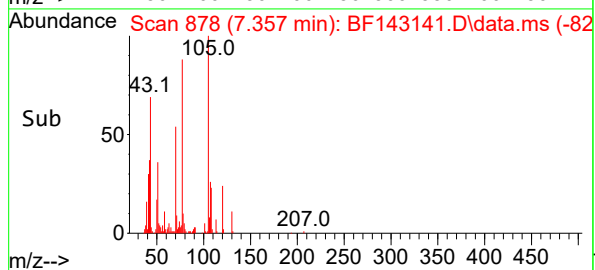
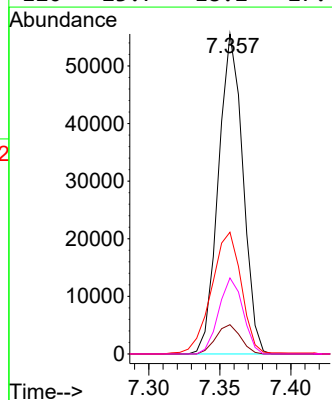
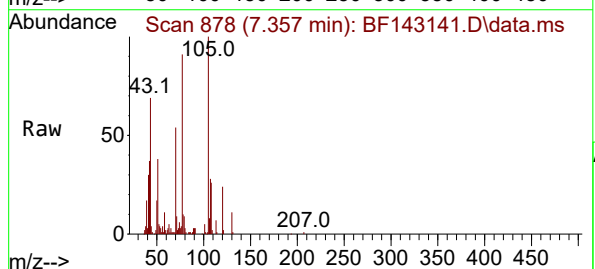
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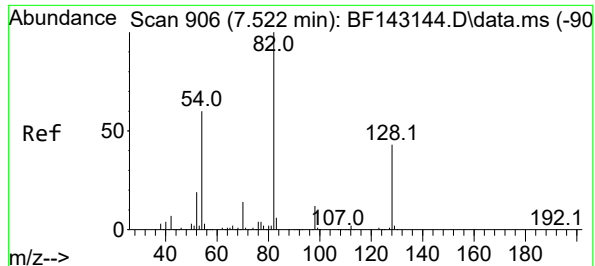
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:105 Resp: 66559
Ion Ratio Lower Upper
105 100
71 9.1 5.8 8.6#
51 38.1 30.2 45.2
120 23.7 18.2 27.4





#23

Nitrobenzene-d5

Concen: 10.146 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 82 Resp: 102749

Ion Ratio Lower Upper

82 100

128 39.1 33.6 50.4

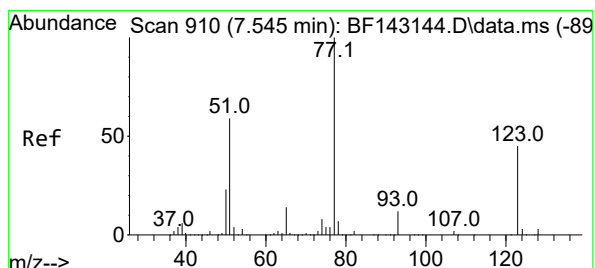
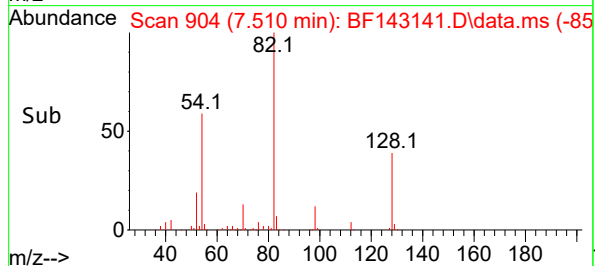
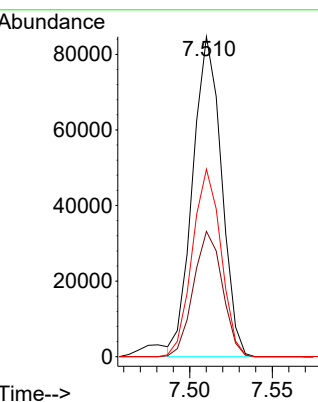
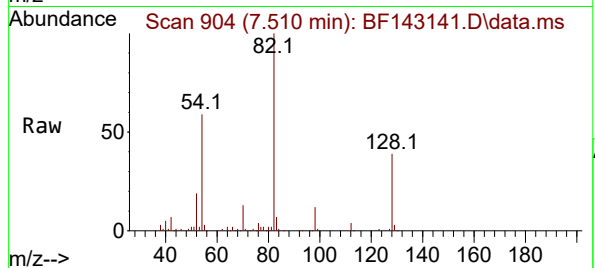
54 58.6 47.1 70.7

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 5.074 ng

RT: 7.528 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

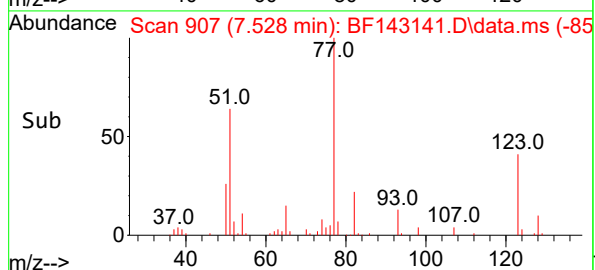
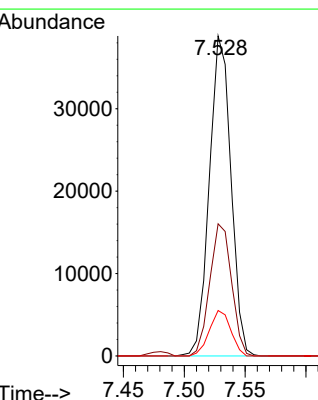
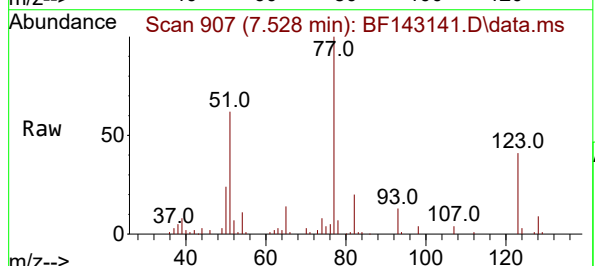
Tgt Ion: 77 Resp: 47902

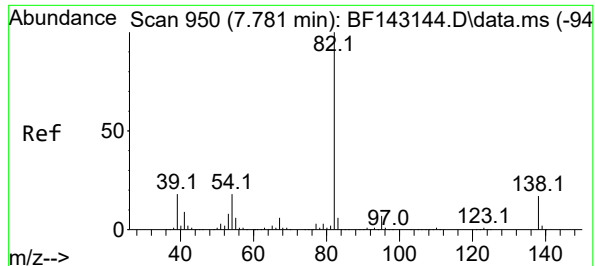
Ion Ratio Lower Upper

77 100

123 41.3 36.1 54.1

65 14.2 11.4 17.2





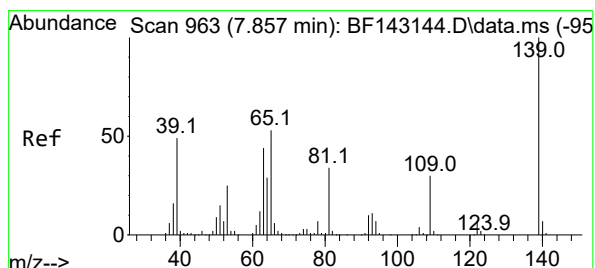
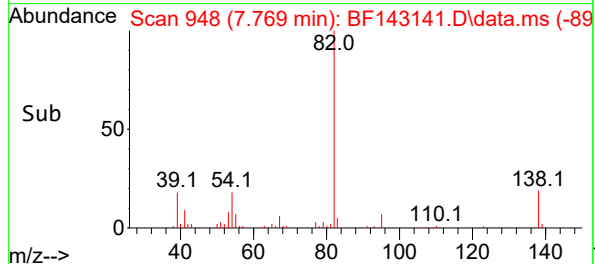
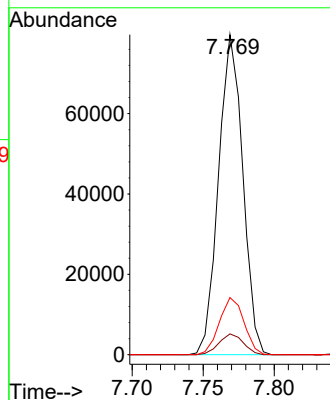
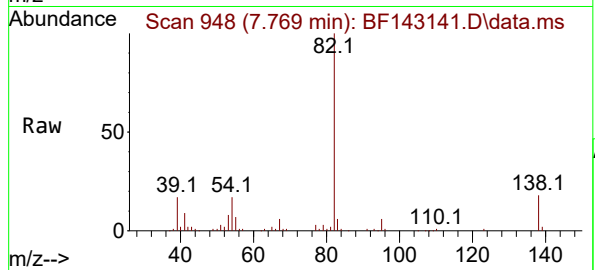
#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 94372
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 17.8 13.8 20.8

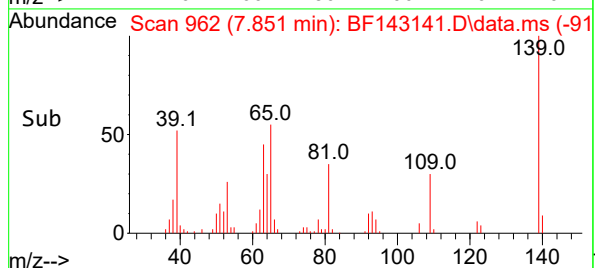
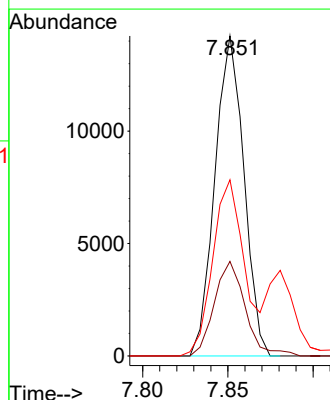
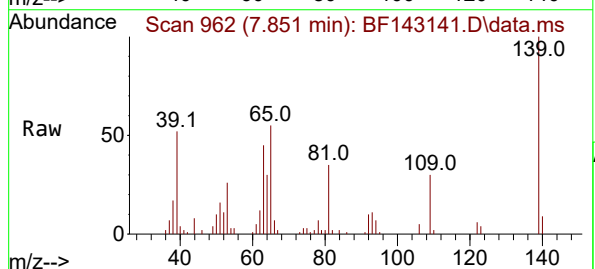
Manual Integrations
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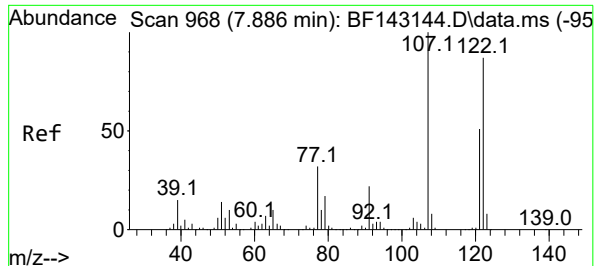
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 16827
Ion Ratio Lower Upper
139 100
109 29.5 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.382 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

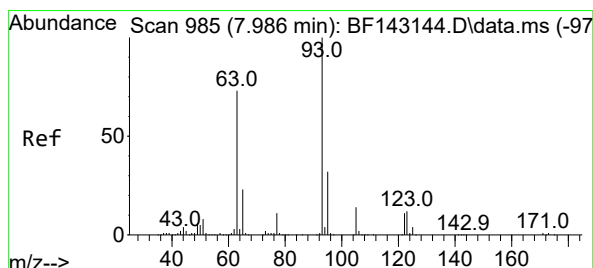
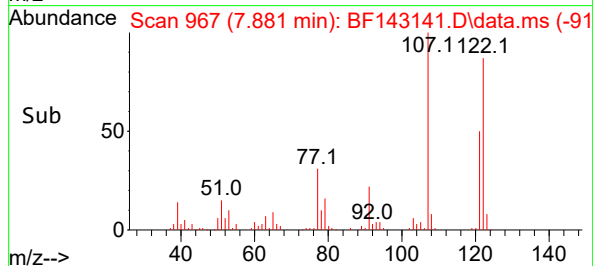
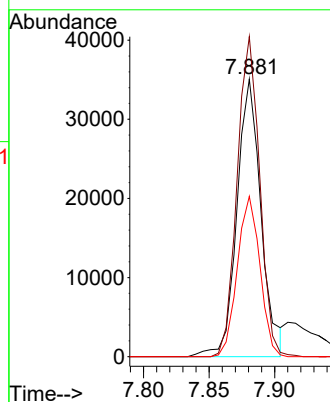
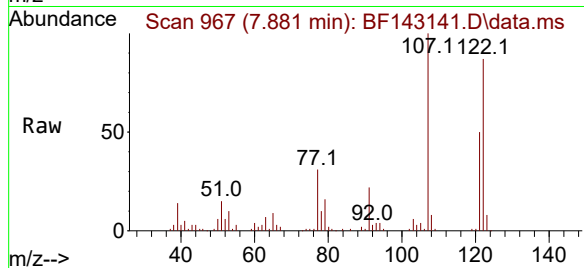
Tgt Ion:122 Resp: 44954
Ion Ratio Lower Upper
122 100
107 115.3 91.8 137.6
121 57.8 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 5.455 ng

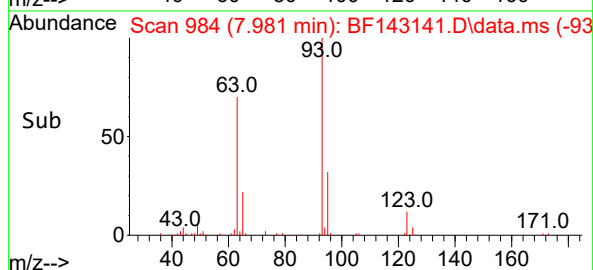
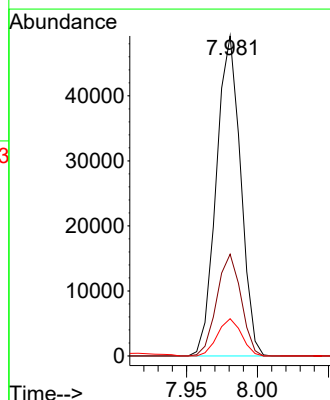
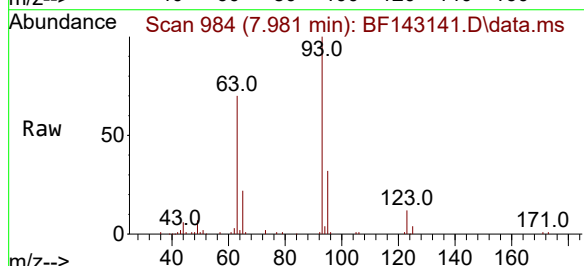
RT: 7.981 min Scan# 984

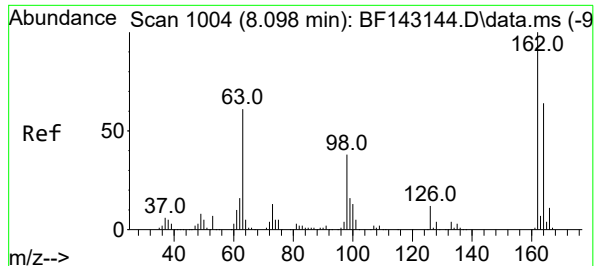
Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 58465
Ion Ratio Lower Upper
93 100
95 31.8 25.8 38.6
123 11.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 5.236 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

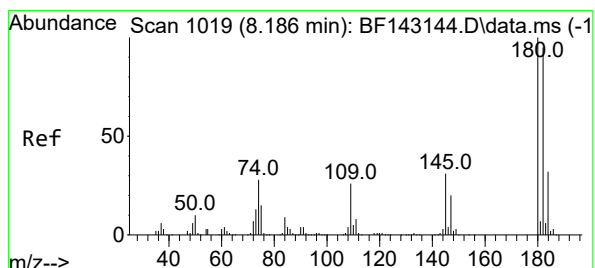
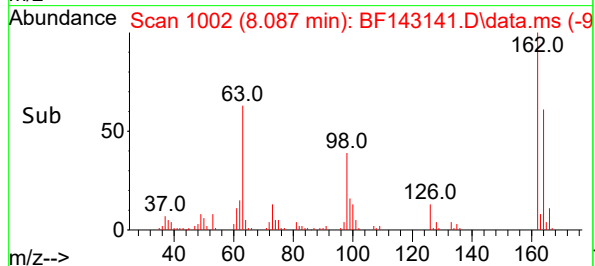
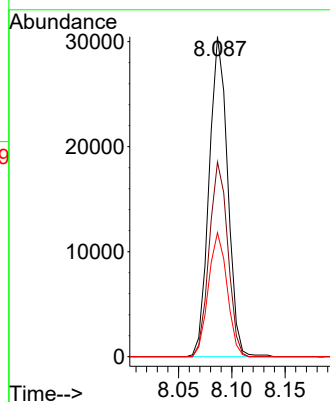
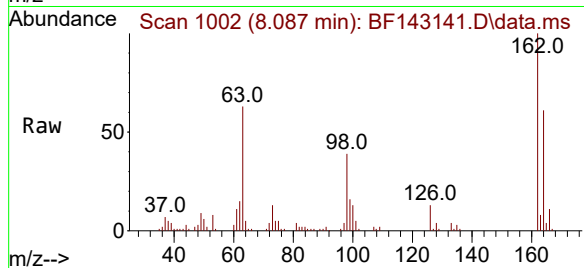
Tgt Ion:162 Resp: 36884
Ion Ratio Lower Upper
162 100
164 60.8 44.2 84.2
98 38.7 17.9 57.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 5.460 ng

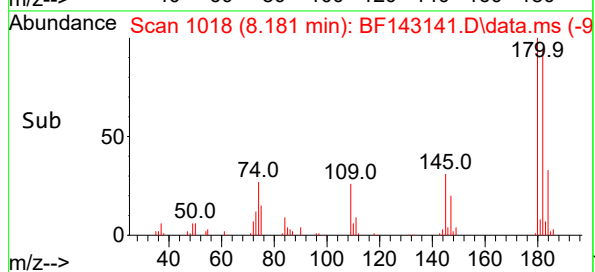
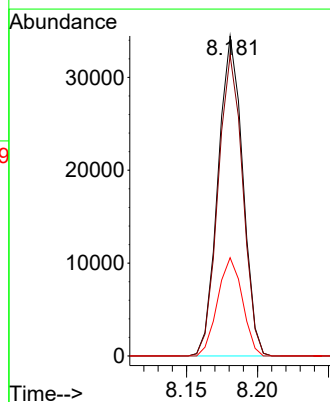
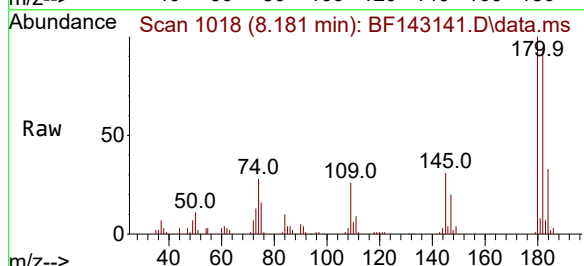
RT: 8.181 min Scan# 1018

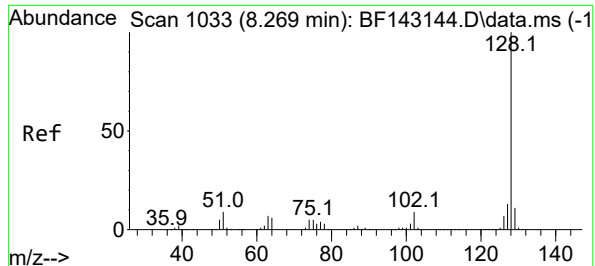
Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

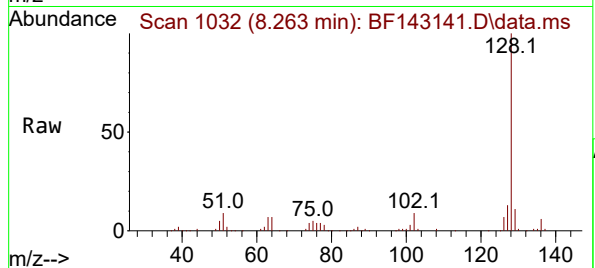
Tgt Ion:180 Resp: 41552
Ion Ratio Lower Upper
180 100
182 94.0 76.2 114.2
145 30.7 25.0 37.6





#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

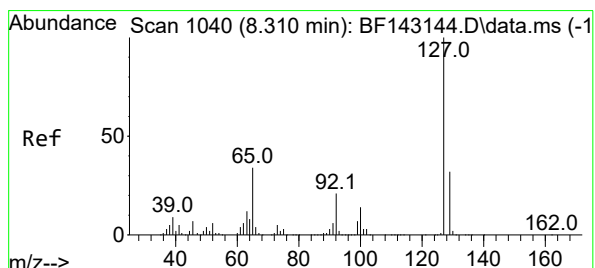
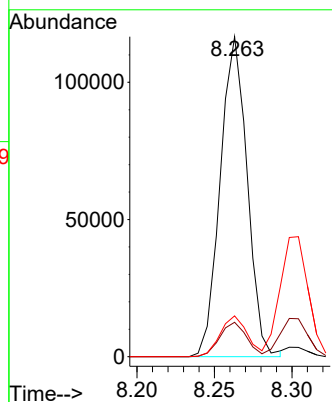
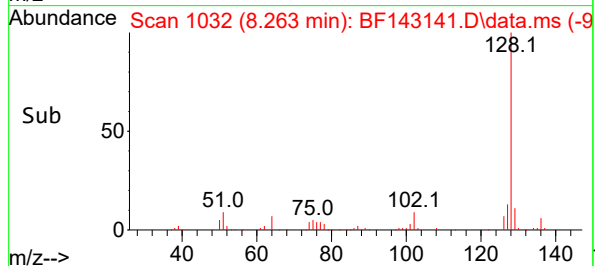
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 141099
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.7 10.6 16.0

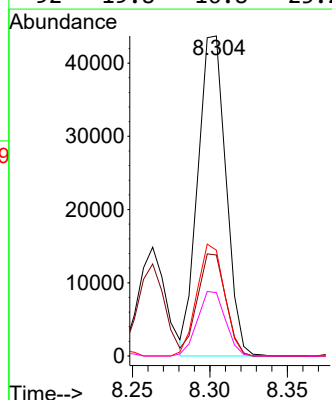
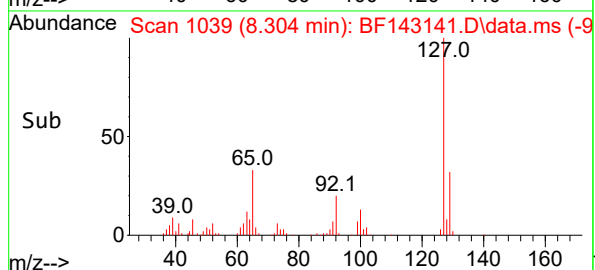
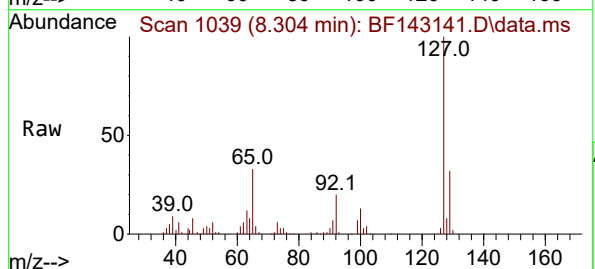
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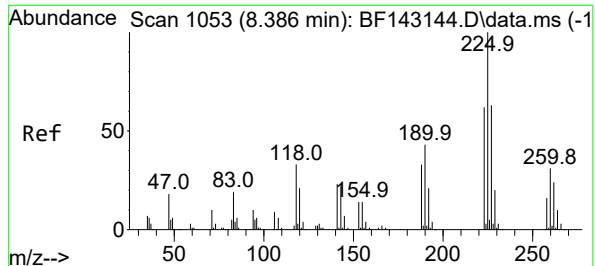
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:127 Resp: 55130
Ion Ratio Lower Upper
127 100
129 31.6 26.0 39.0
65 33.0 27.4 41.2
92 19.8 16.8 25.2





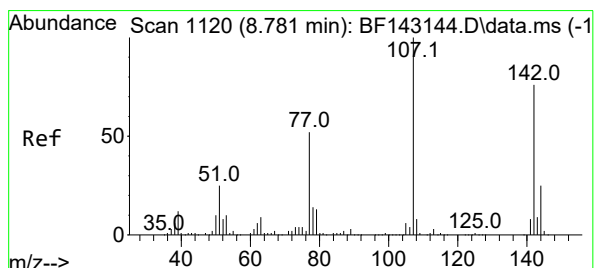
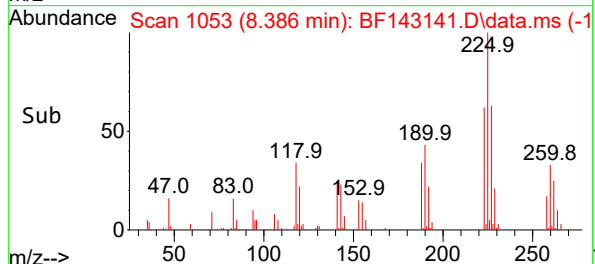
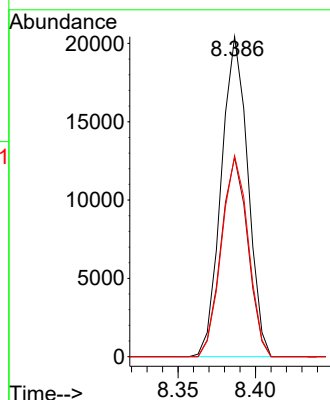
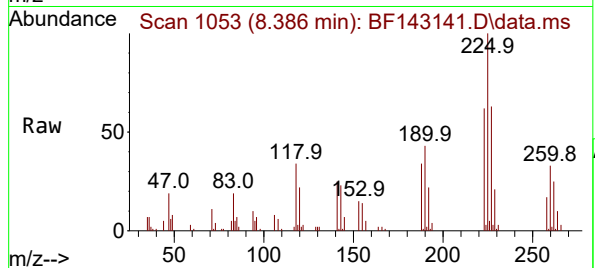
#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 2432
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.6
227 62.8 50.2 75.4

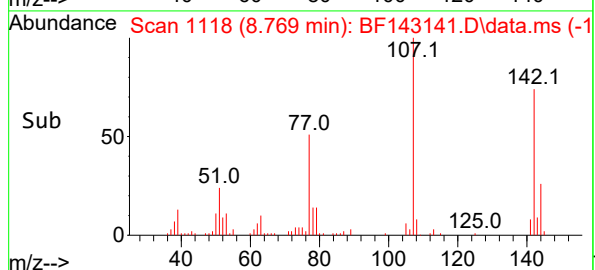
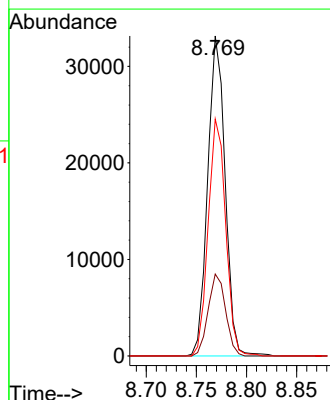
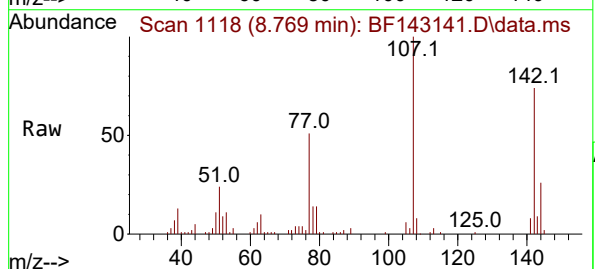
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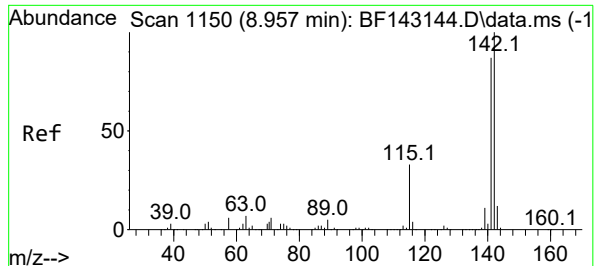
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

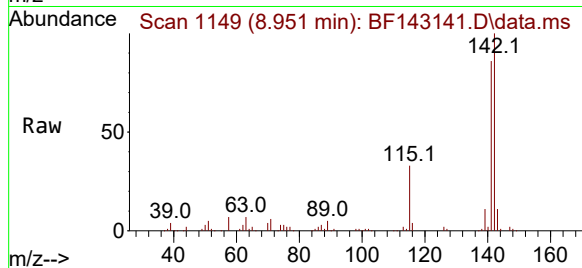
Tgt Ion:107 Resp: 40203
Ion Ratio Lower Upper
107 100
144 25.6 19.8 29.6
142 74.1 60.6 90.8





#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

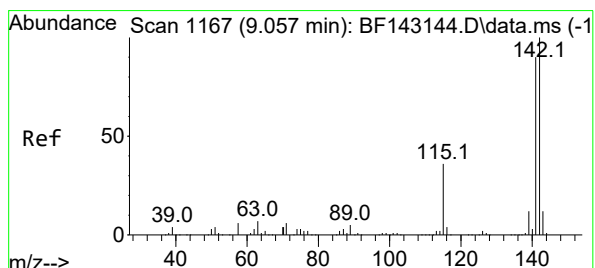
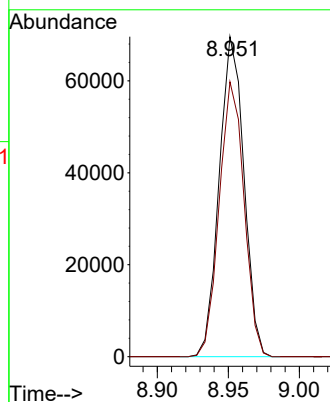
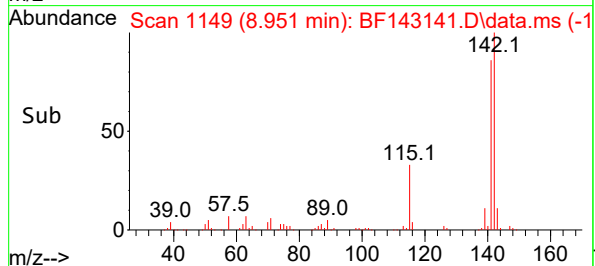
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:142 Resp: 84234
Ion Ratio Lower Upper
142 100
141 85.9 69.9 104.9

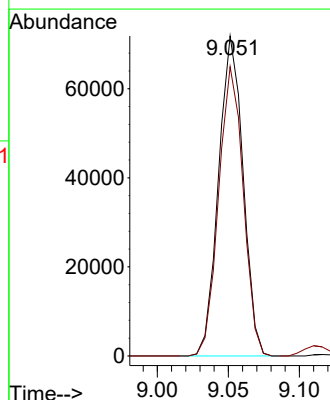
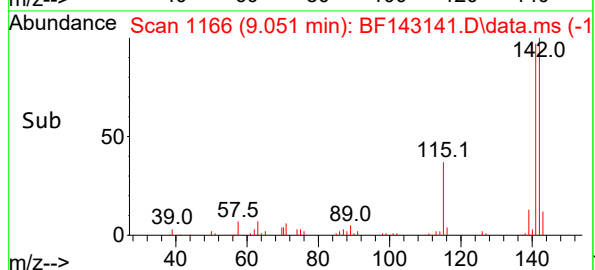
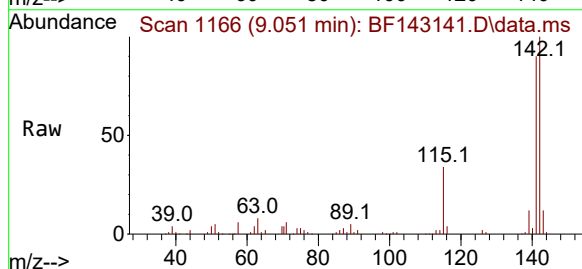
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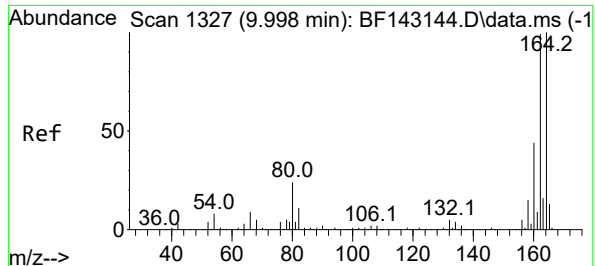
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

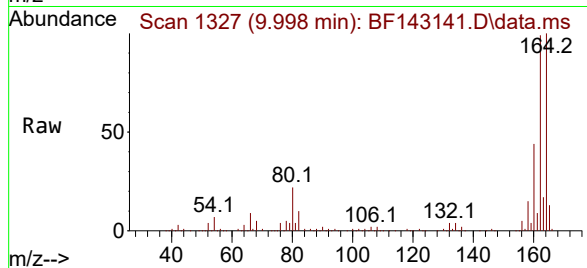
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:164 Resp: 263409

Ion Ratio Lower Upper

164 100

162 99.5 79.0 118.6

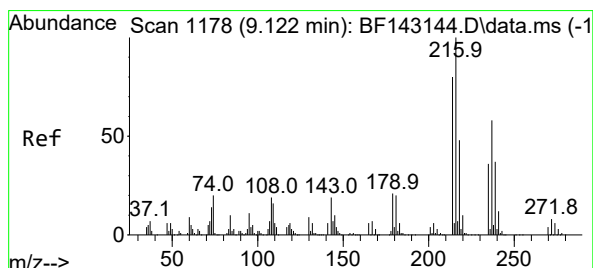
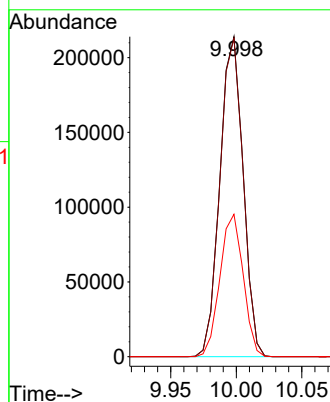
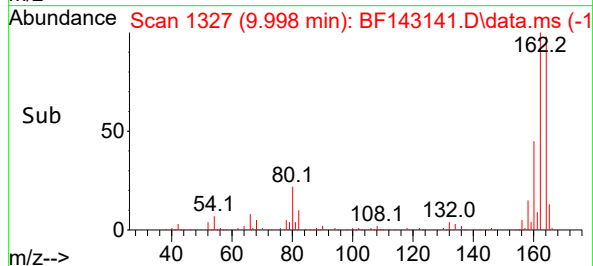
160 44.5 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.523 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

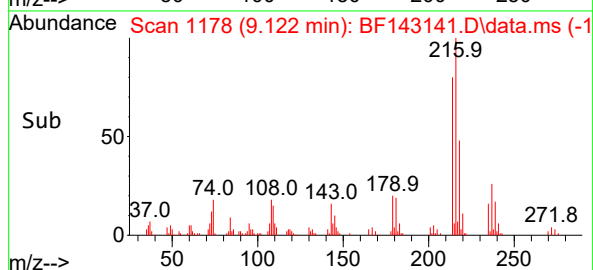
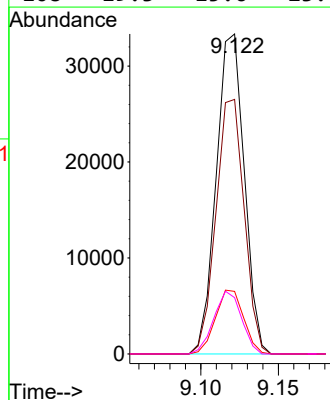
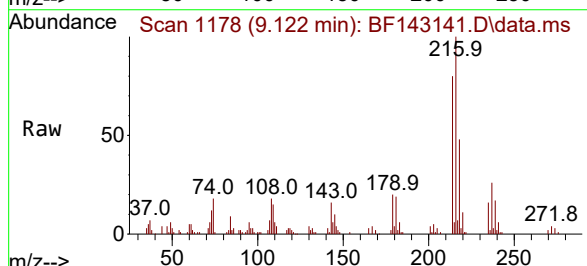
Ion Ratio Lower Upper

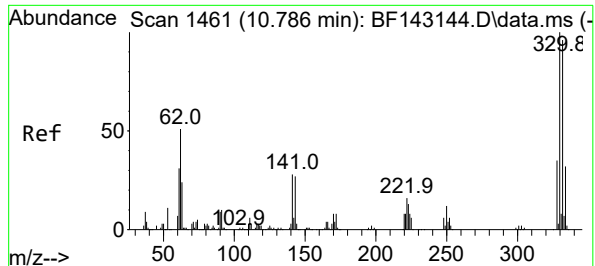
216 100

214 79.9 63.8 95.8

179 20.1 16.4 24.6

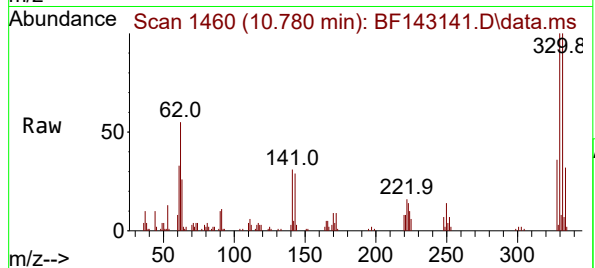
108 19.3 15.6 23.4





#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

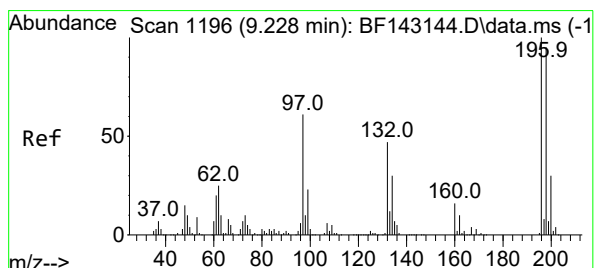
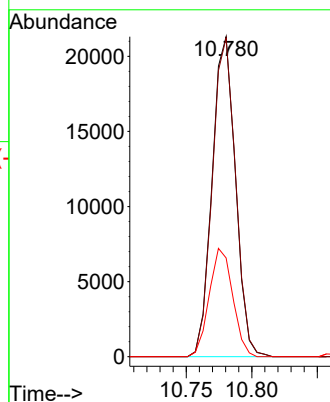
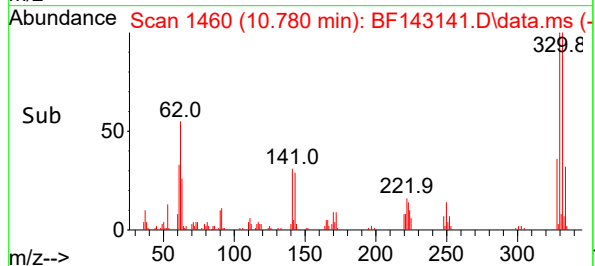
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



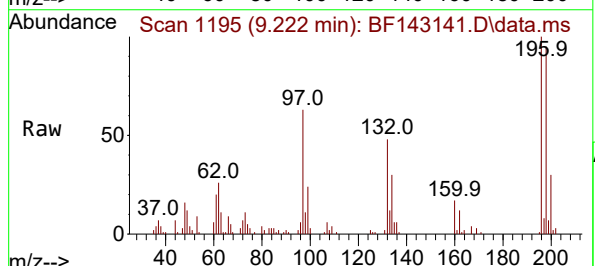
Tgt Ion: 330 Resp: 2628
Ion Ratio Lower Upper
330 100
332 99.4 76.7 115.1
141 34.3 23.3 34.9

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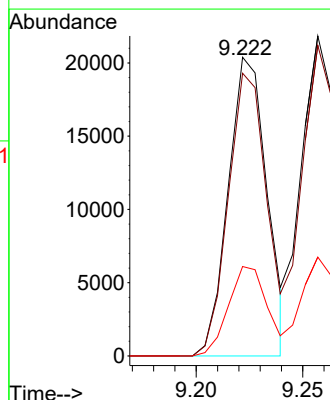
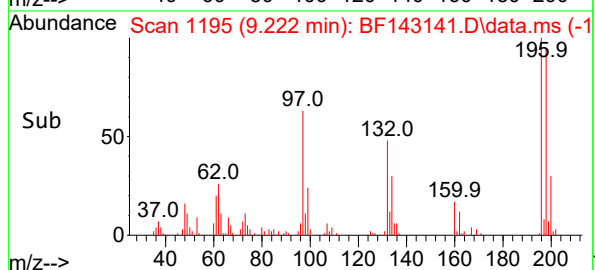
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

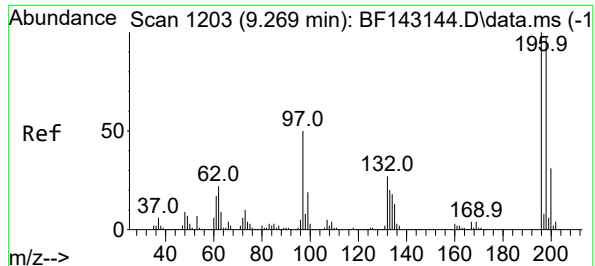


#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



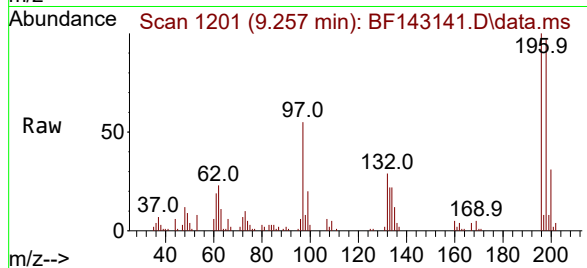
Tgt Ion: 196 Resp: 25730
Ion Ratio Lower Upper
196 100
198 94.7 76.2 114.2
200 30.0 23.9 35.9





#44
2,4,5-Trichlorophenol
Concen: 5.057 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

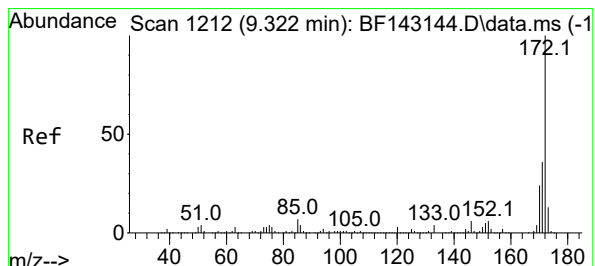
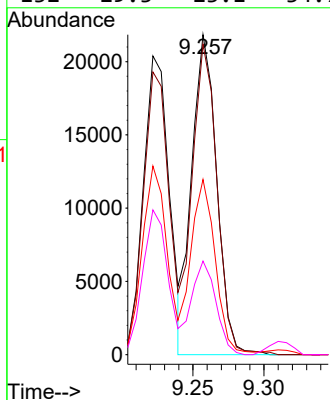
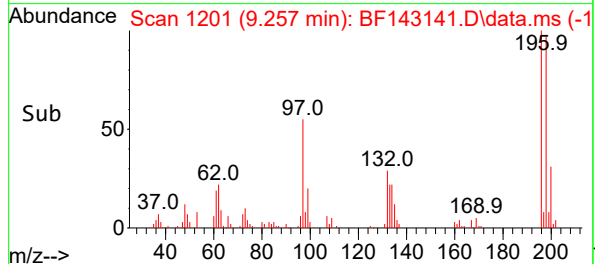
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



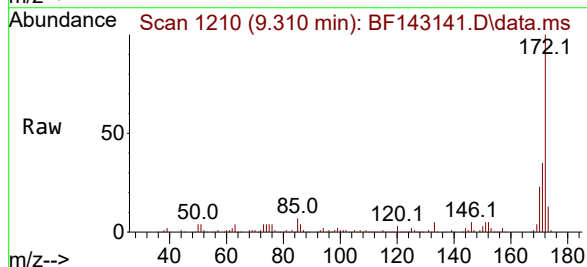
Tgt Ion:196 Resp: 26620
Ion Ratio Lower Upper
196 100
198 97.0 77.3 115.9
97 54.7 40.3 60.5
132 29.3 23.1 34.7

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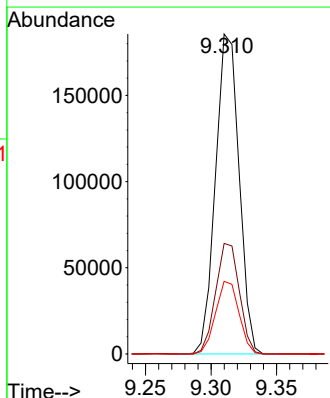
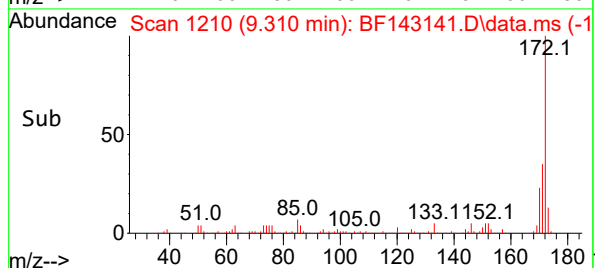
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

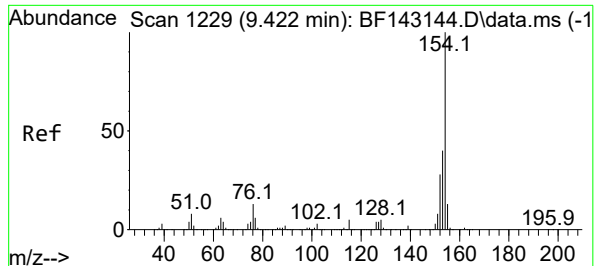


#45
2-Fluorobiphenyl
Concen: 12.043 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



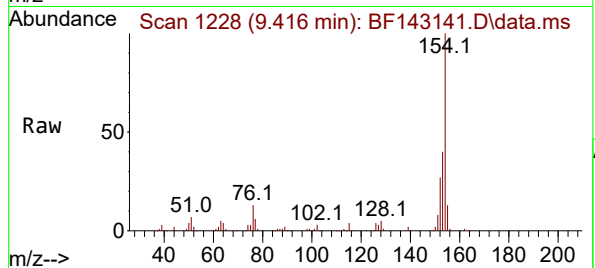
Tgt Ion:172 Resp: 231962
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.7 18.8 28.2





#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 115130
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

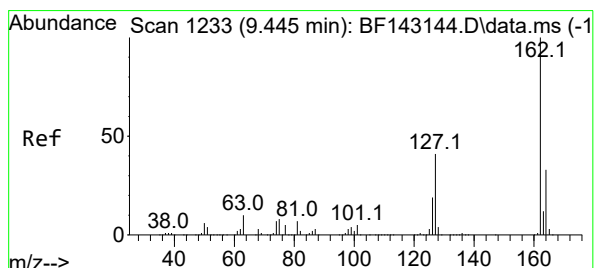
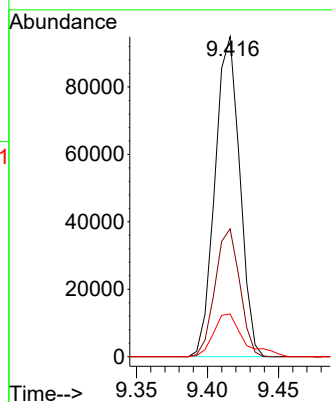
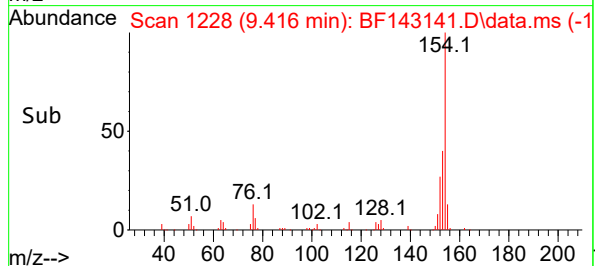
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 115130
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 13.4 0.0 33.3

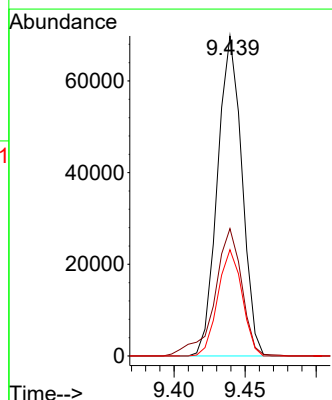
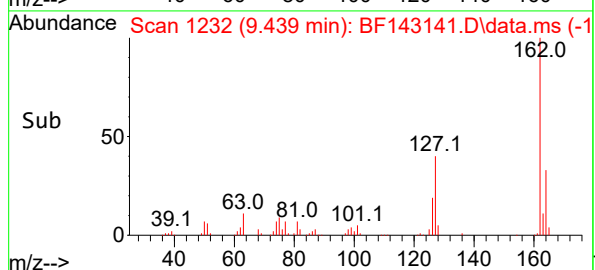
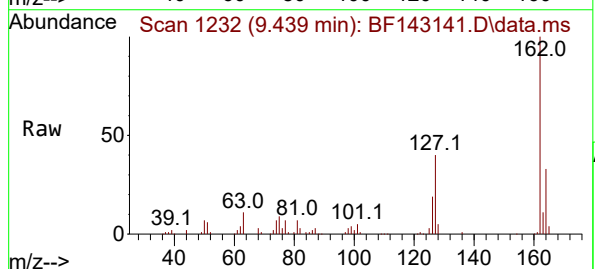
Manual Integrations
APPROVED

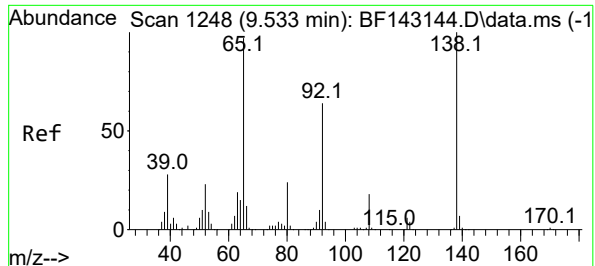
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

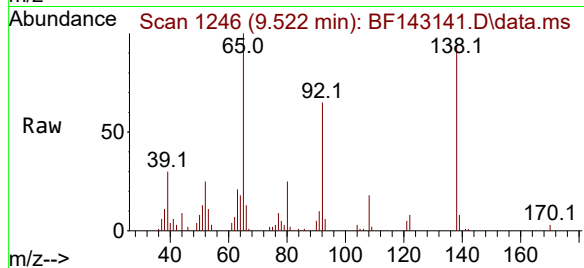
Tgt Ion:162 Resp: 83495
Ion Ratio Lower Upper
162 100
127 39.8 33.4 50.2
164 33.2 26.2 39.2





#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

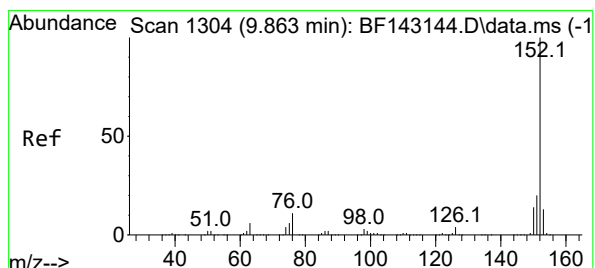
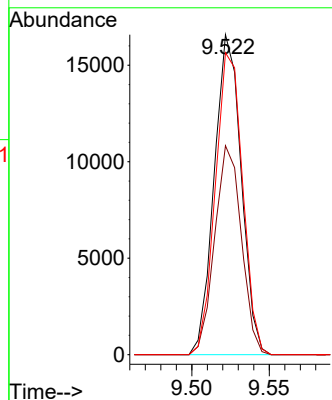
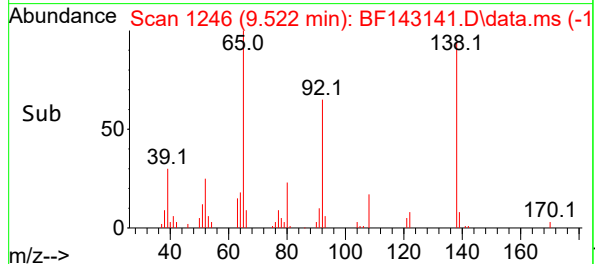
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion: 65 Resp: 20070
Ion Ratio Lower Upper
65 100
92 65.3 52.4 78.6
138 94.3 82.3 123.5

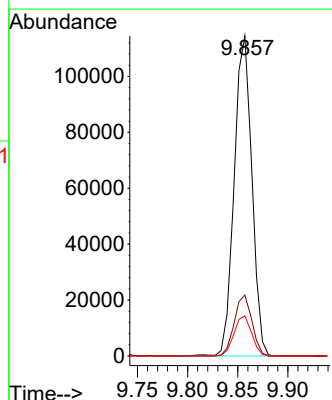
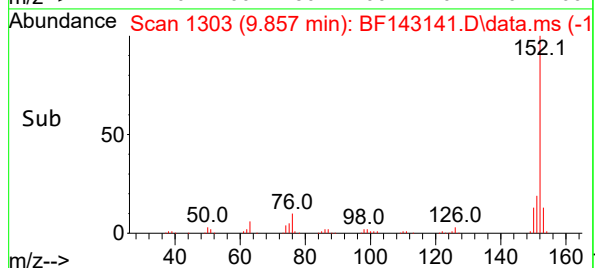
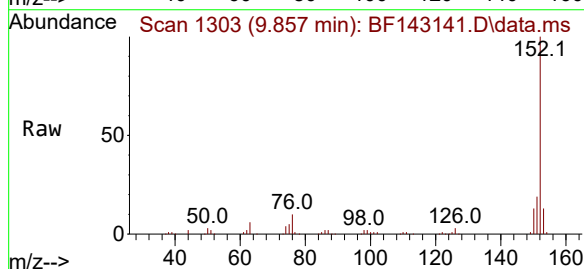
Manual Integrations
APPROVED

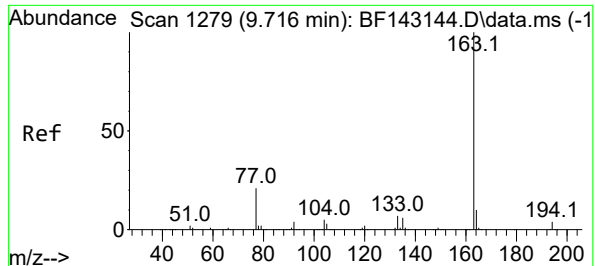
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:152 Resp: 140525
Ion Ratio Lower Upper
152 100
151 19.1 16.2 24.2
153 12.5 10.6 16.0





#50

Dimethylphthalate

Concen: 5.452 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 9361

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

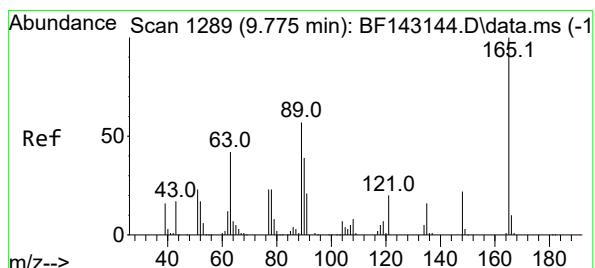
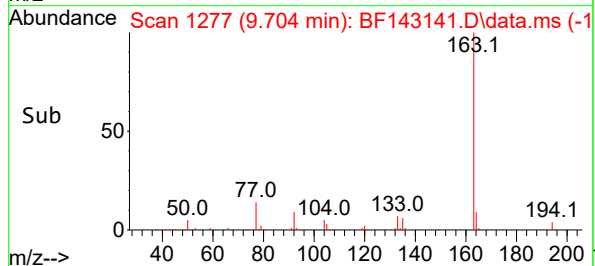
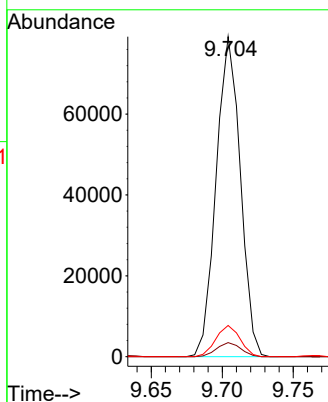
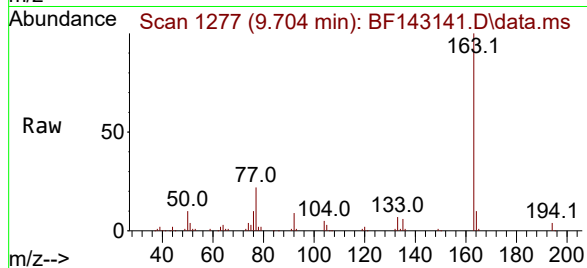
164 9.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#51

2,6-Dinitrotoluene

Concen: 4.234 ng

RT: 9.763 min Scan# 1287

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

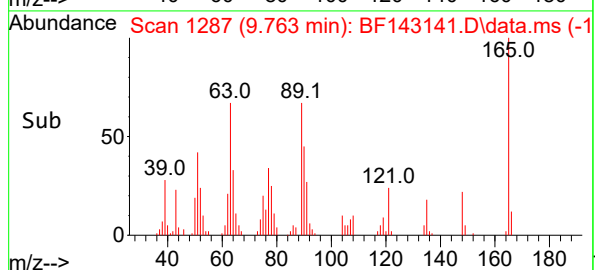
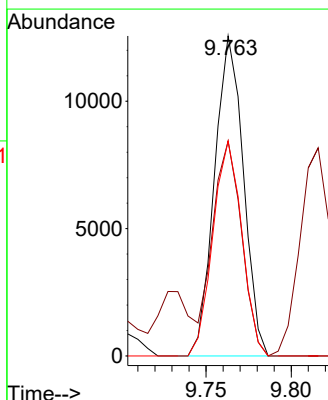
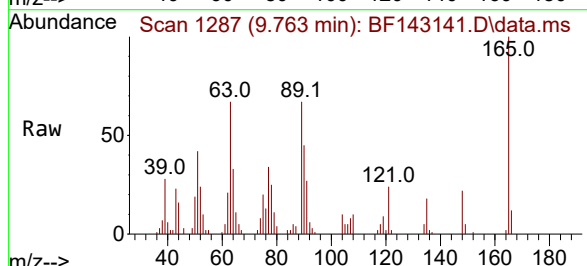
Tgt Ion:165 Resp: 14787

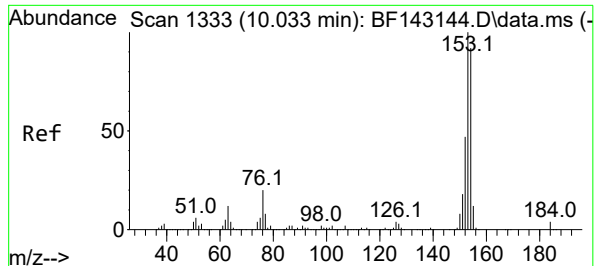
Ion Ratio Lower Upper

165 100

63 67.1 49.4 74.2

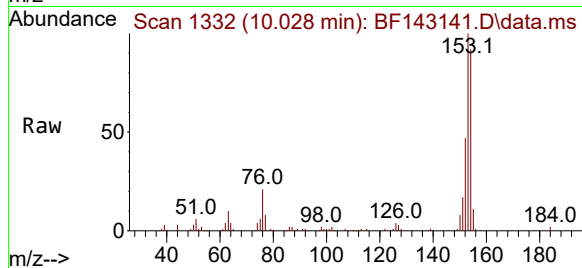
89 67.2 46.2 69.2





#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

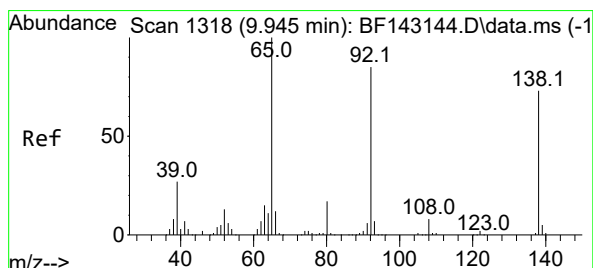
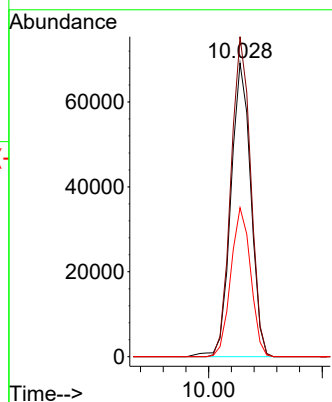
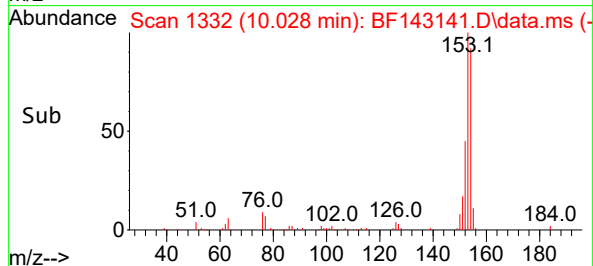
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:154 Resp: 84160
Ion Ratio Lower Upper
154 100
153 109.0 86.6 129.8
152 50.7 40.4 60.6

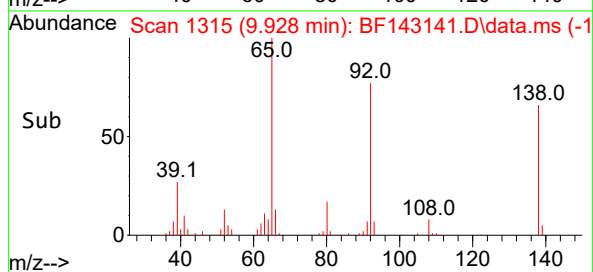
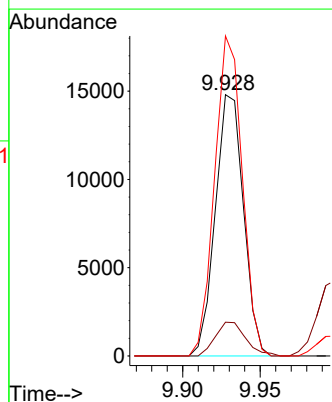
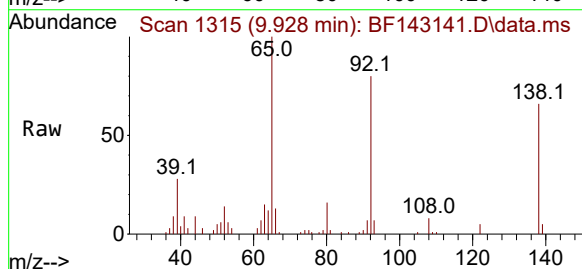
Manual Integrations
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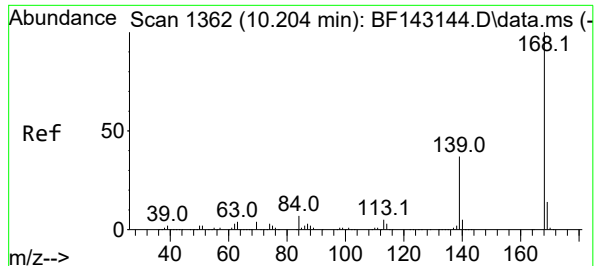
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

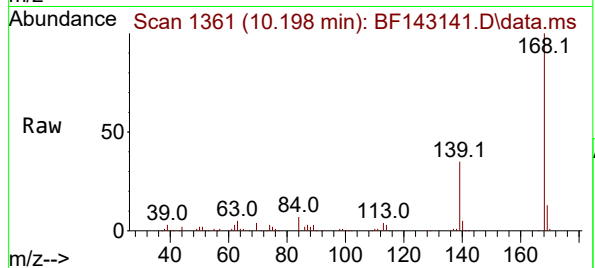
Tgt Ion:138 Resp: 18738
Ion Ratio Lower Upper
138 100
108 12.9 9.0 13.6
92 122.5 93.0 139.4





#55
Dibenzenofuran
Concen: 5.681 ng
RT: 10.198 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

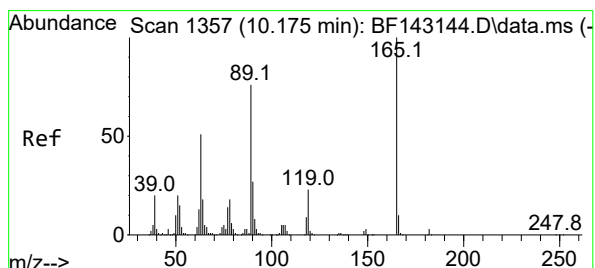
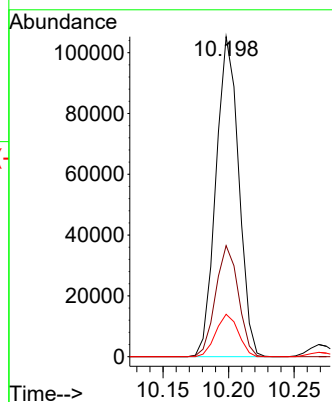
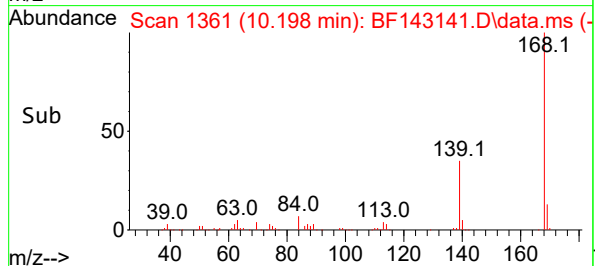
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:168 Resp: 127035
Ion Ratio Lower Upper
168 100
139 34.7 29.5 44.3
169 13.3 10.9 16.3

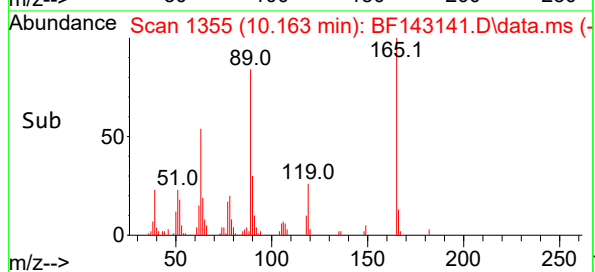
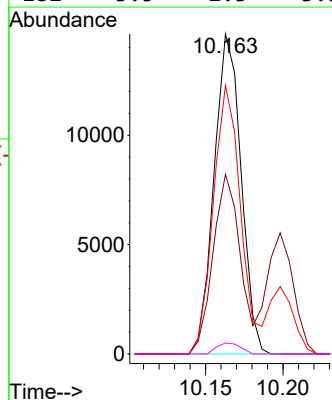
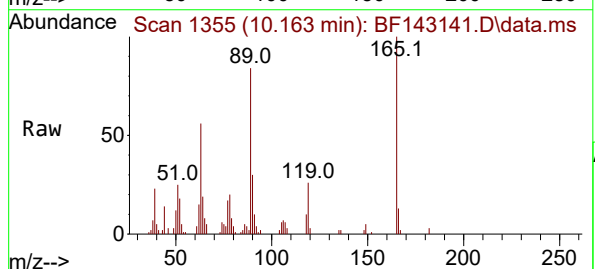
Manual Integrations
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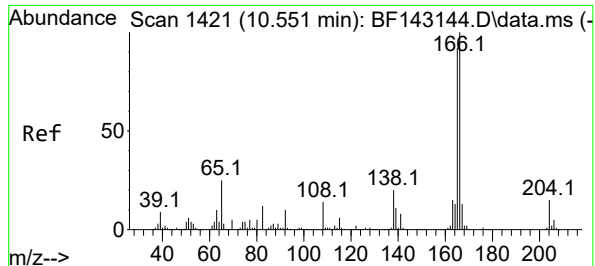
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

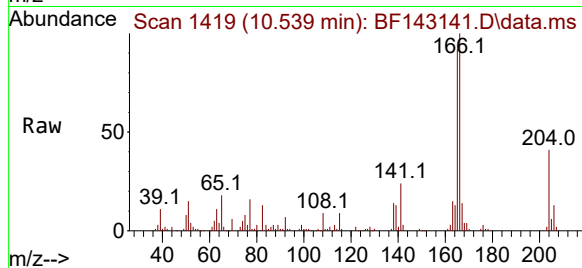
Tgt Ion:165 Resp: 17709
Ion Ratio Lower Upper
165 100
63 56.1 41.0 61.4
89 83.9 61.1 91.7
182 3.5 2.3 3.5





#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

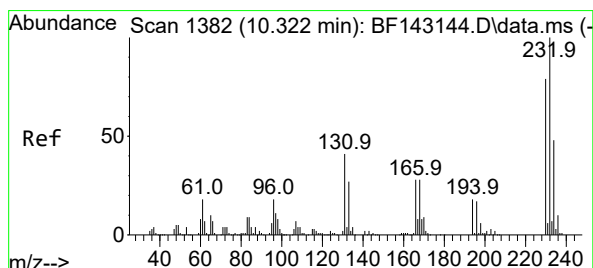
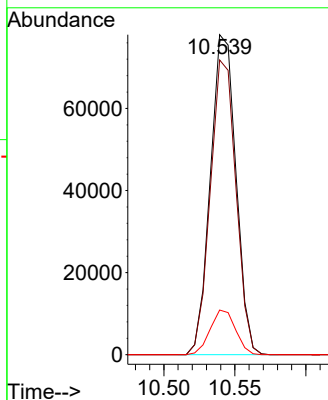
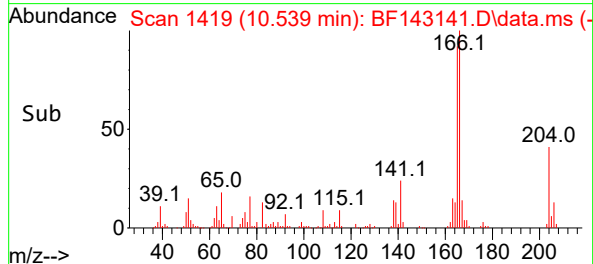
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:166 Resp: 9747
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 14.0 10.6 16.0

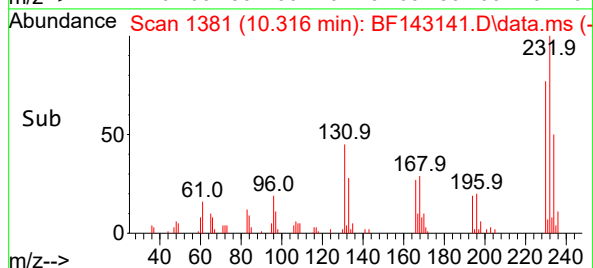
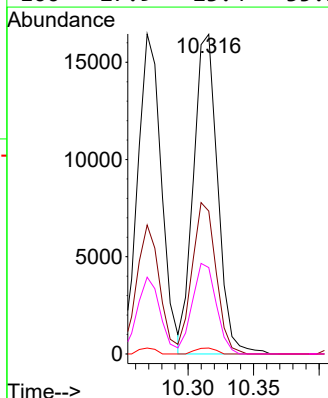
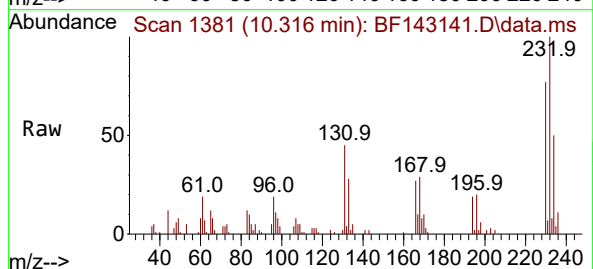
Manual Integrations
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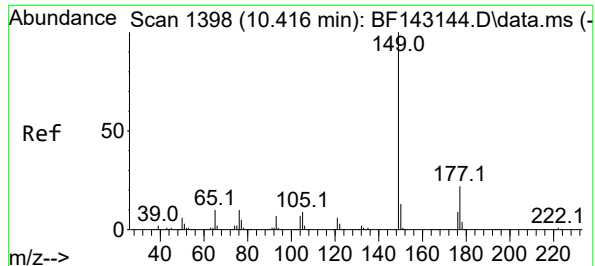
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:232 Resp: 21108
Ion Ratio Lower Upper
232 100
131 46.6 35.3 52.9
130 1.6 1.7 2.5#
166 27.9 23.4 35.2





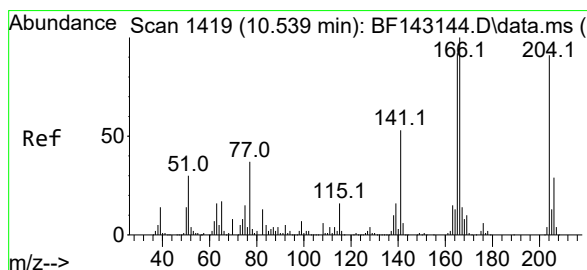
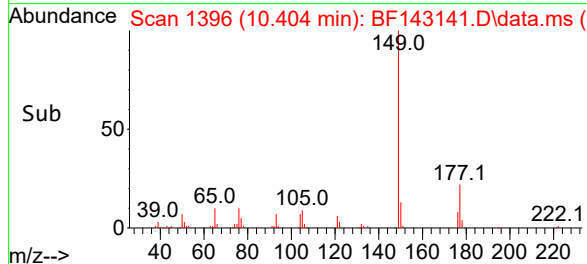
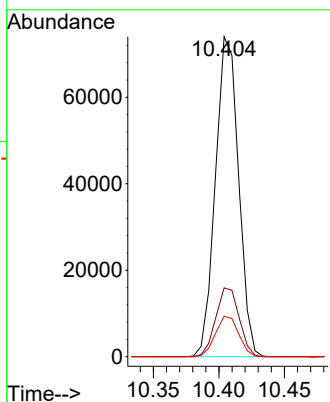
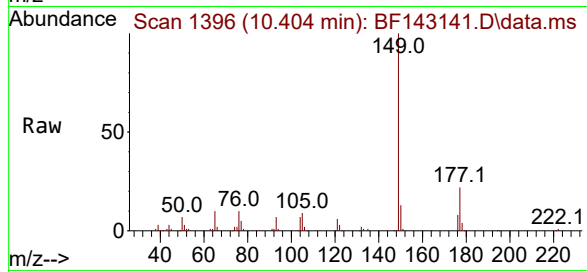
#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 9065
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.7 10.2 15.2

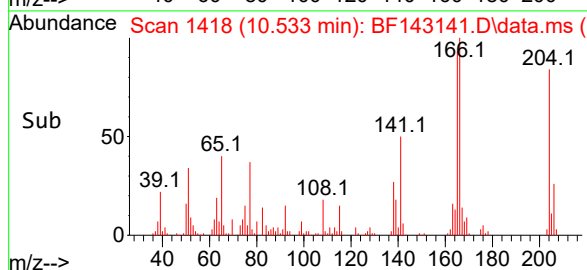
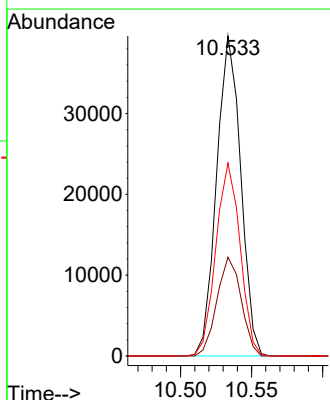
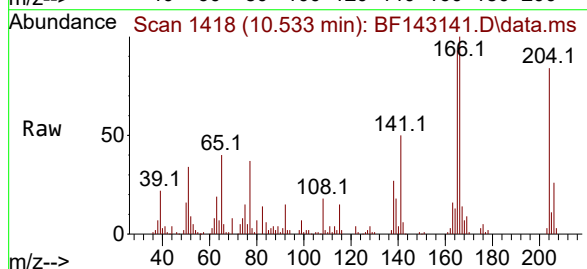
Manual Integrations
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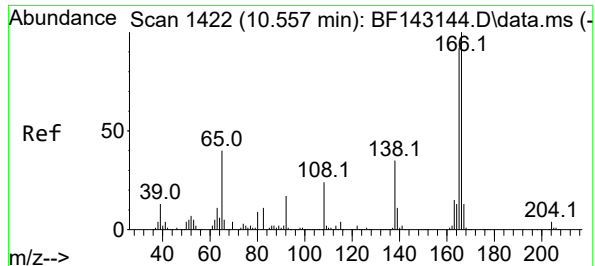
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

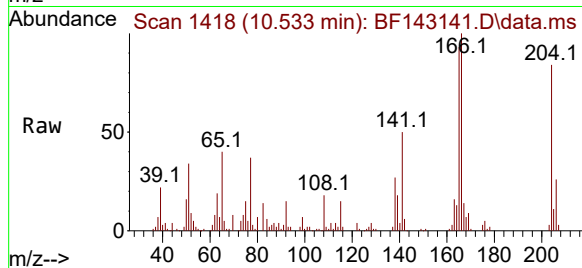
Tgt Ion:204 Resp: 46747
Ion Ratio Lower Upper
204 100
206 30.8 25.8 38.8
141 60.2 47.0 70.4





#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

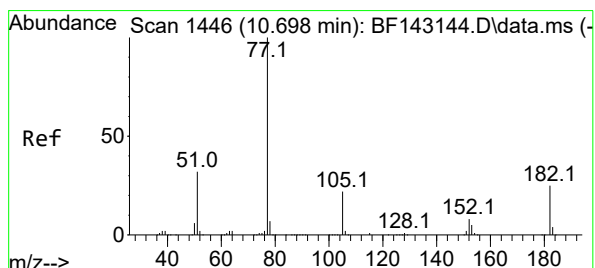
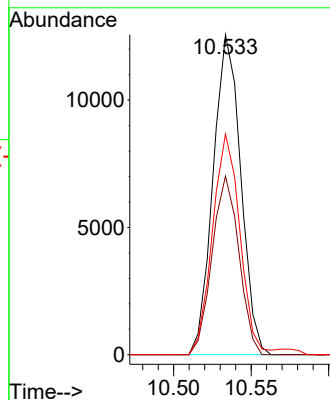
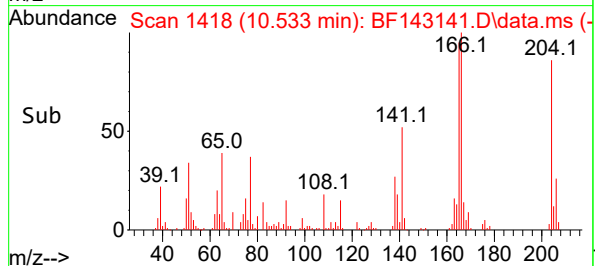
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:138 Resp: 1556
Ion Ratio Lower Upper
138 100
92 55.8 29.3 69.3
108 68.9 48.3 88.3

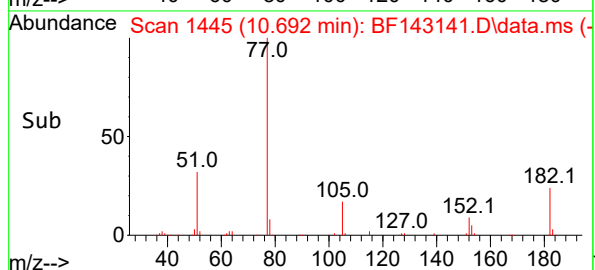
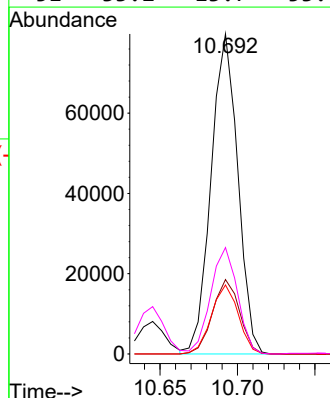
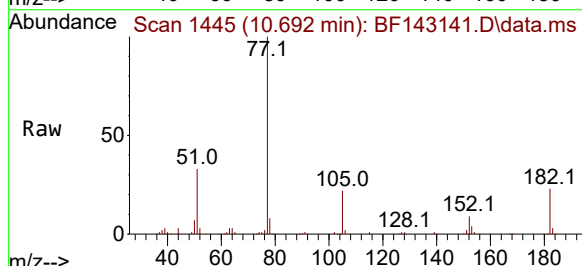
Manual Integrations
APPROVED

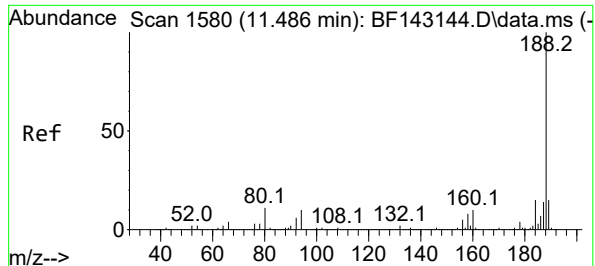
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

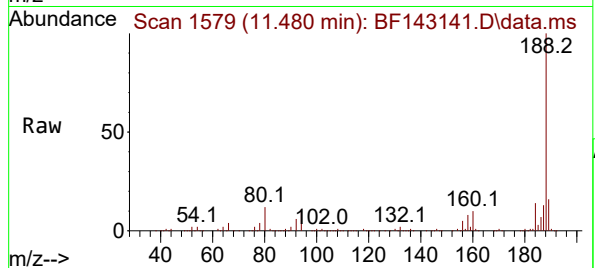
Tgt Ion: 77 Resp: 95602
Ion Ratio Lower Upper
77 100
182 23.2 4.6 44.6
105 21.5 1.4 41.4
51 33.2 13.7 53.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

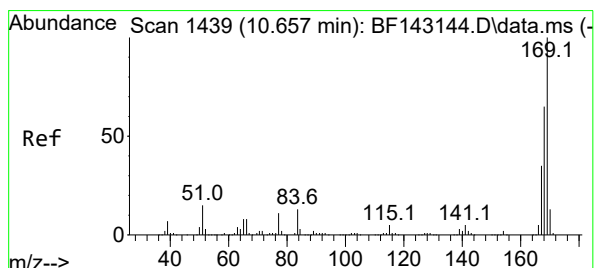
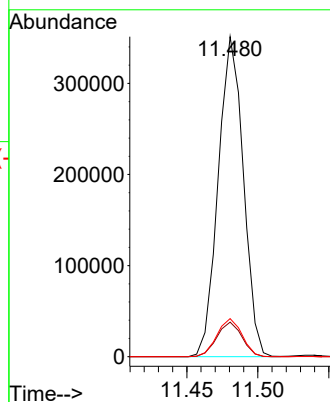
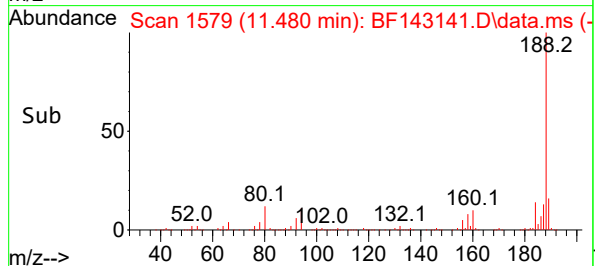
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:188 Resp: 432329
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.9 9.0 13.6

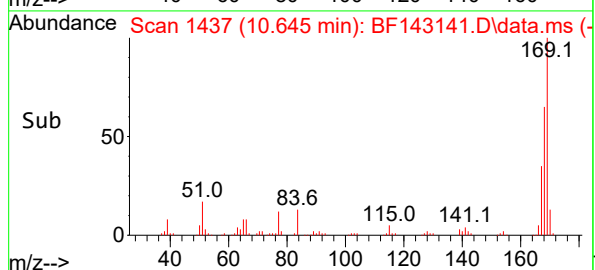
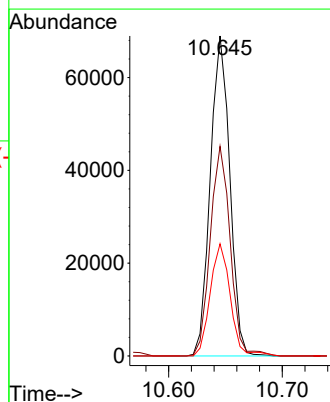
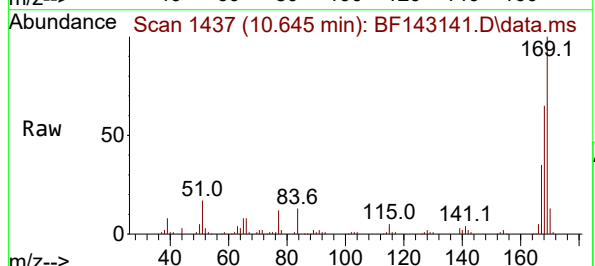
Manual Integrations
APPROVED

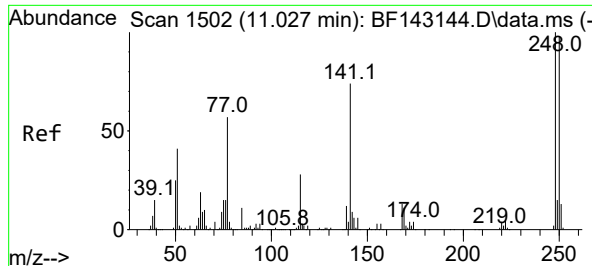
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

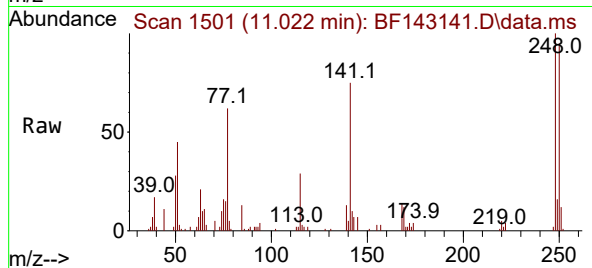
Tgt Ion:169 Resp: 82281
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.1 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

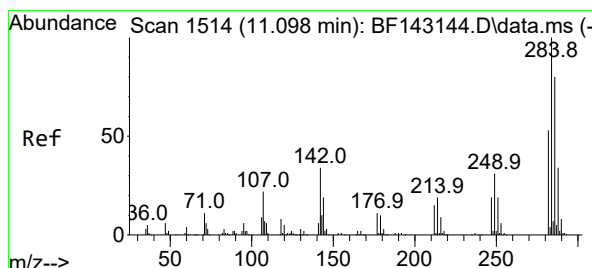
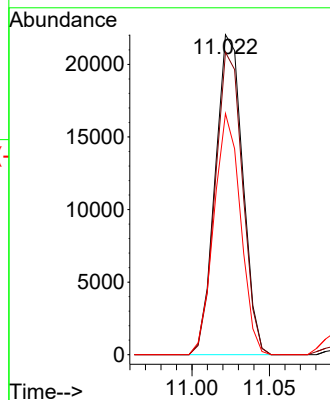
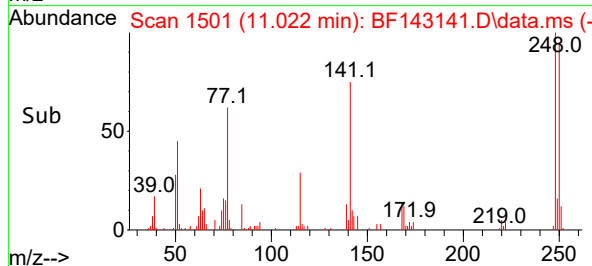
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



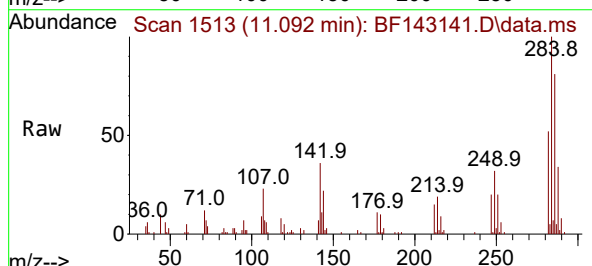
Tgt Ion:248 Resp: 27259
Ion Ratio Lower Upper
248 100
250 94.5 78.3 117.5
141 75.4 59.2 88.8

Manual Integrations
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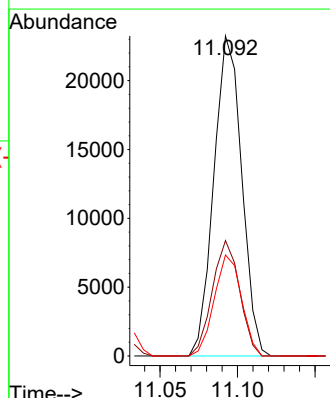
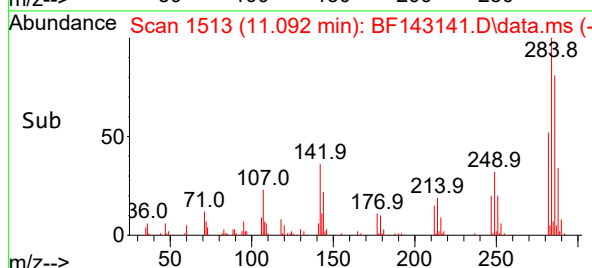
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

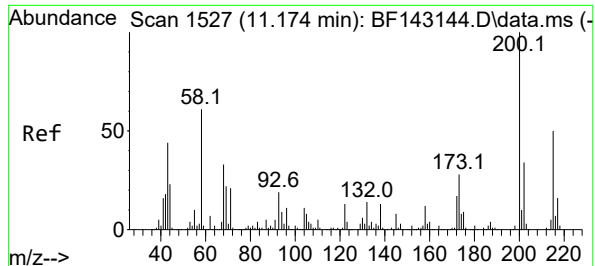


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



Tgt Ion:284 Resp: 29052
Ion Ratio Lower Upper
284 100
142 36.1 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 4.733 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:200 Resp: 1986

Ion Ratio Lower Upper

200 100

173 28.5 7.9 47.9

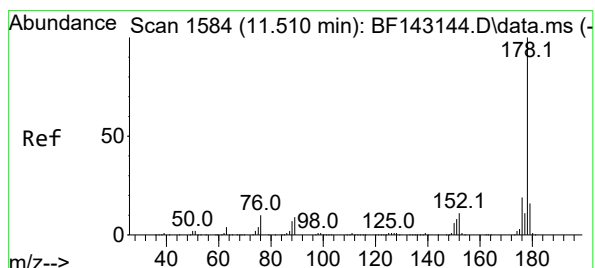
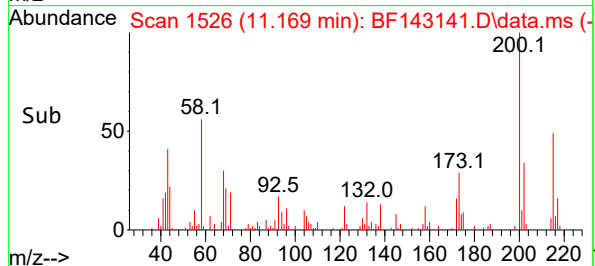
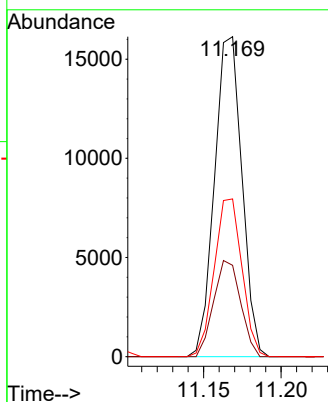
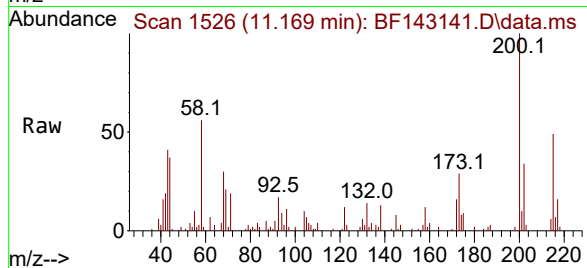
215 49.3 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#71

Phenanthrene

Concen: 5.609 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

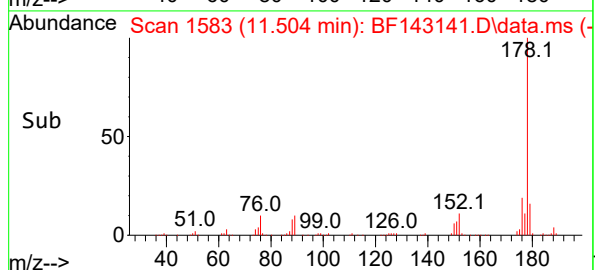
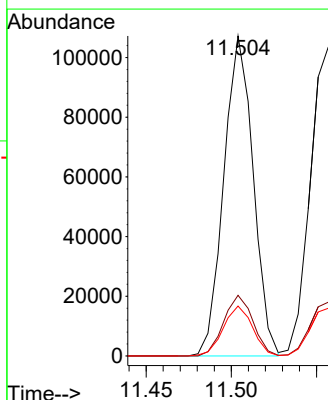
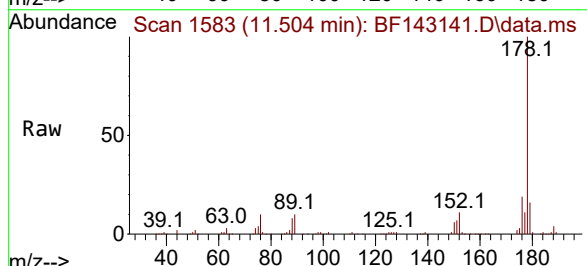
Tgt Ion:178 Resp: 128762

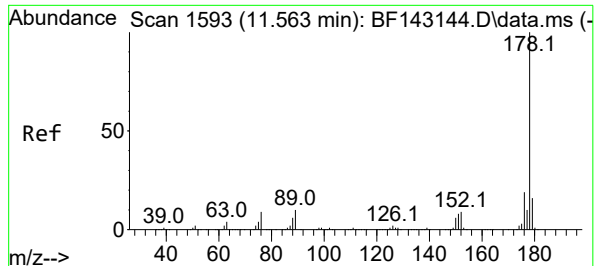
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.6 12.5 18.7





#72

Anthracene

Concen: 5.465 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:178 Resp: 127938

Ion Ratio Lower Upper

178 100

176 17.4 15.0 22.4

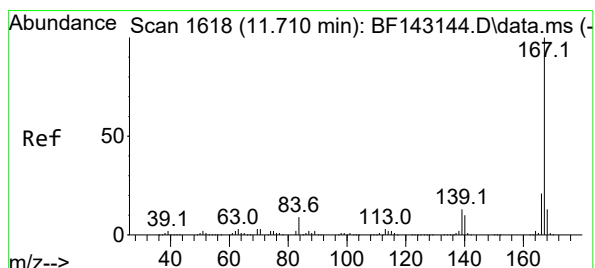
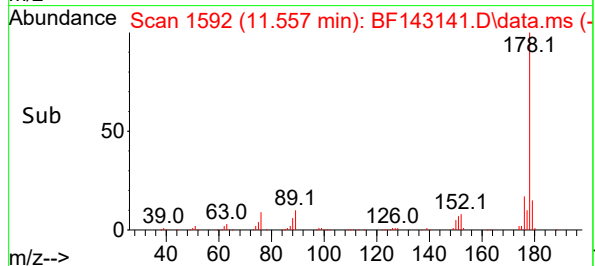
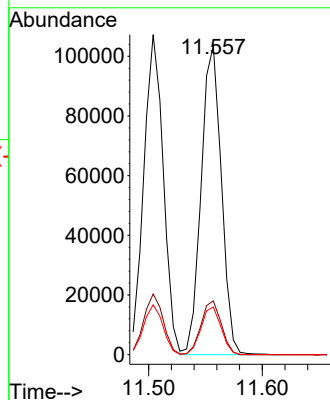
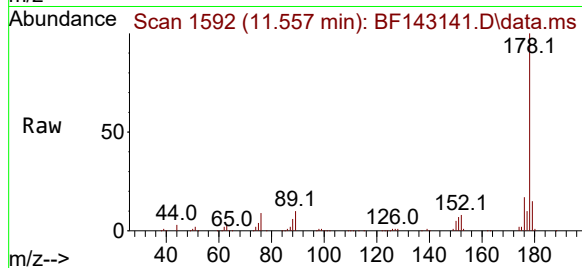
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#73

Carbazole

Concen: 5.507 ng

RT: 11.704 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

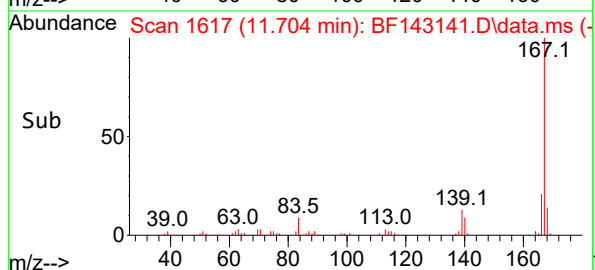
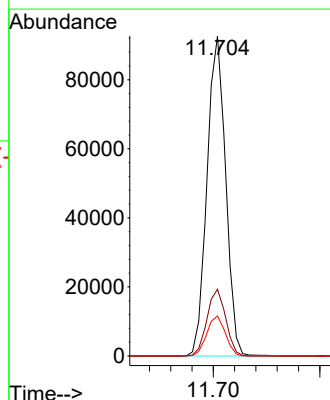
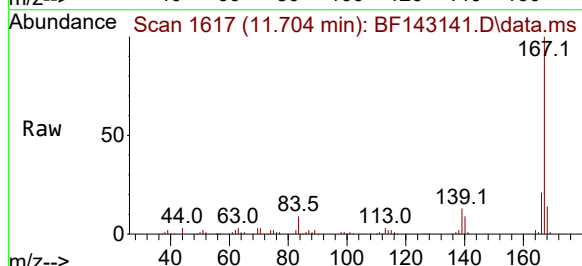
Tgt Ion:167 Resp: 112588

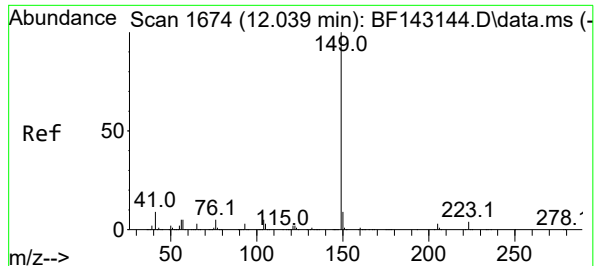
Ion Ratio Lower Upper

167 100

166 20.9 17.0 25.6

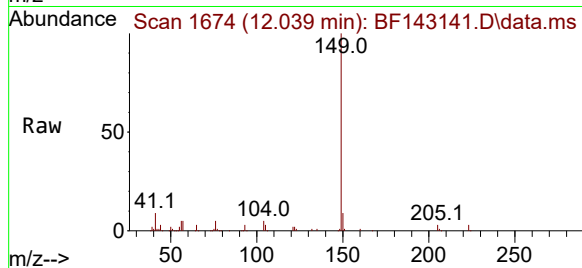
139 12.5 10.0 15.0





#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

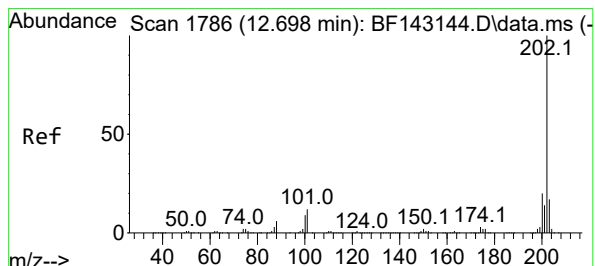
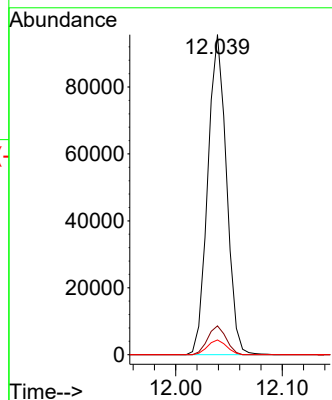
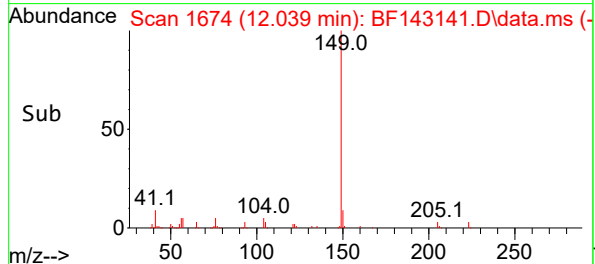
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



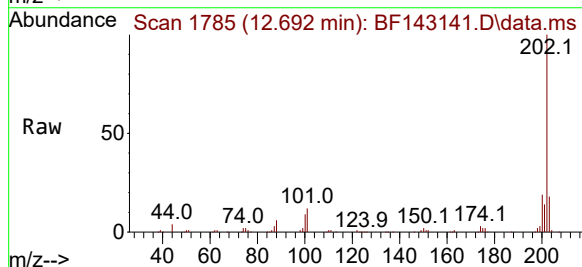
Tgt Ion:149 Resp: 11629
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.6 3.8 5.8

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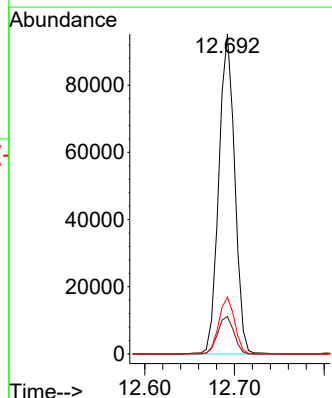
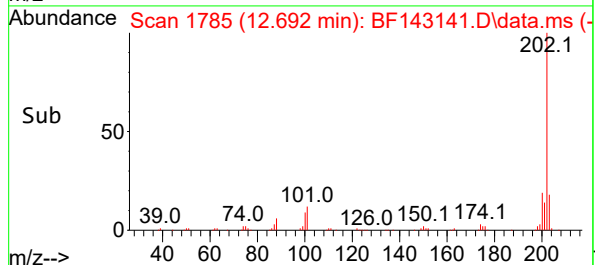
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

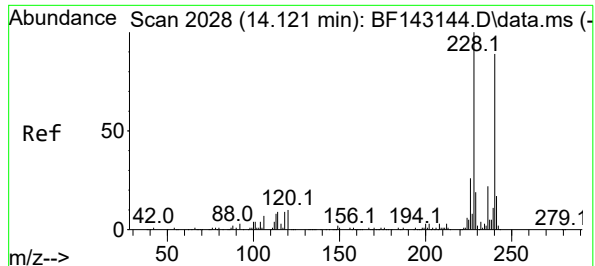


#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



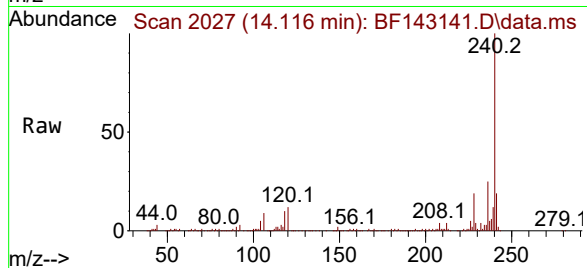
Tgt Ion:202 Resp: 117249
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.8 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

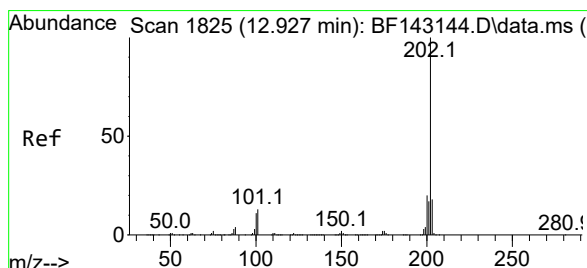
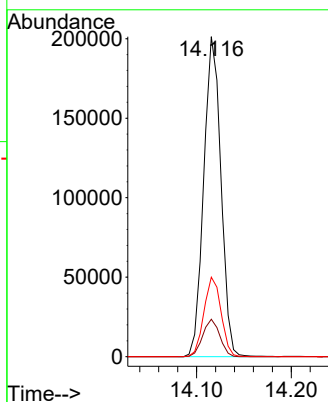
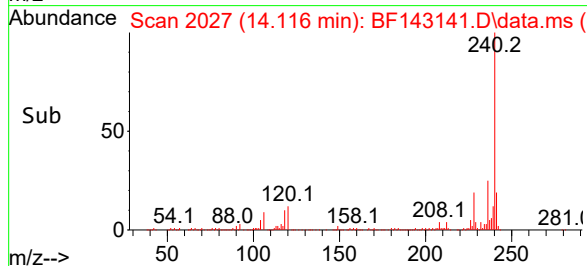
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:240 Resp: 253004
Ion Ratio Lower Upper
240 100
120 11.7 9.4 14.2
236 24.9 20.2 30.4

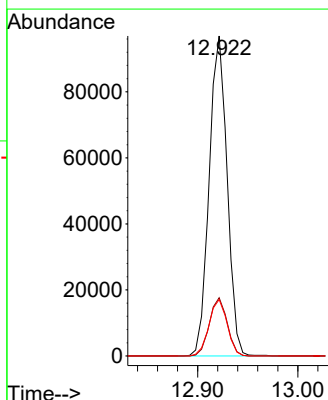
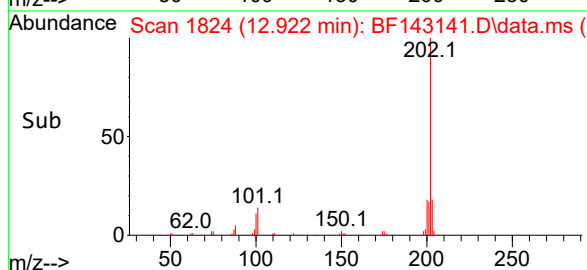
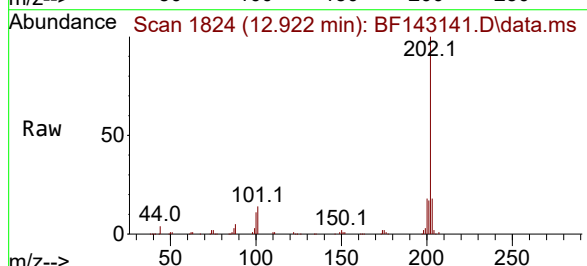
Manual Integrations
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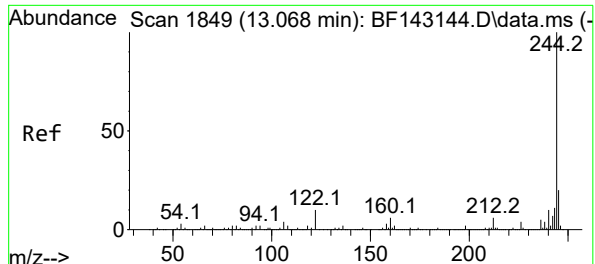
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767
Ion Ratio Lower Upper
202 100
200 18.2 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 11.656 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 19816

Ion Ratio Lower Upper

244 100

212 6.2 5.2 7.8

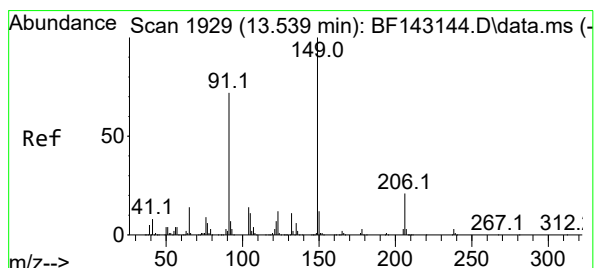
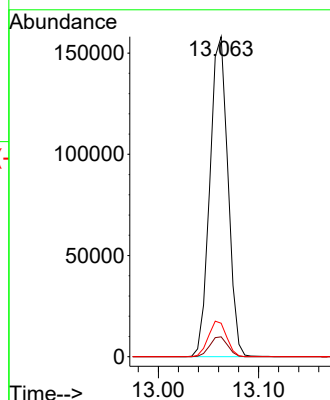
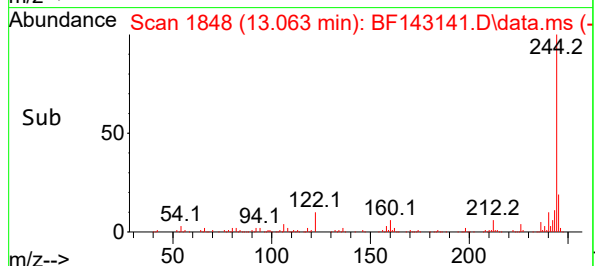
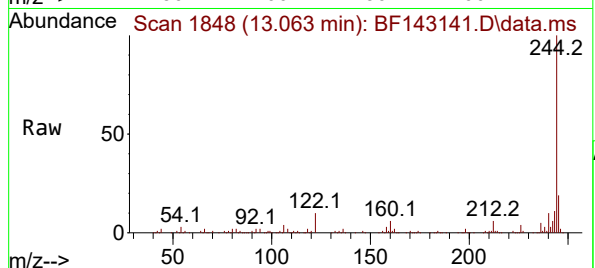
122 10.5 8.2 12.2

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 4.189 ng

RT: 13.533 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

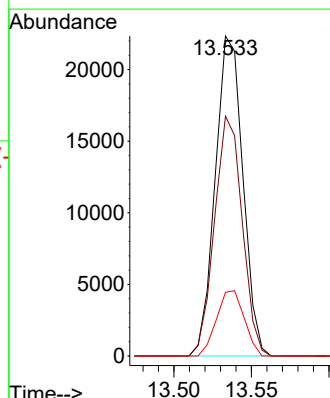
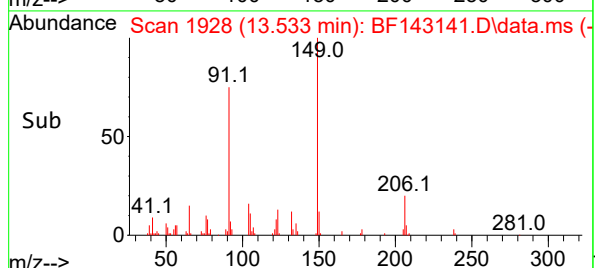
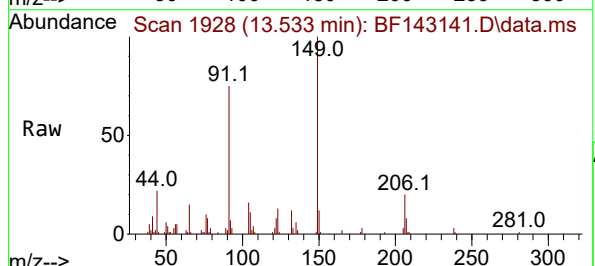
Tgt Ion:149 Resp: 27699

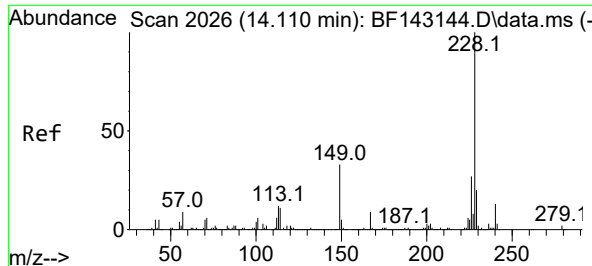
Ion Ratio Lower Upper

149 100

91 74.9 57.9 86.9

206 19.9 17.0 25.4





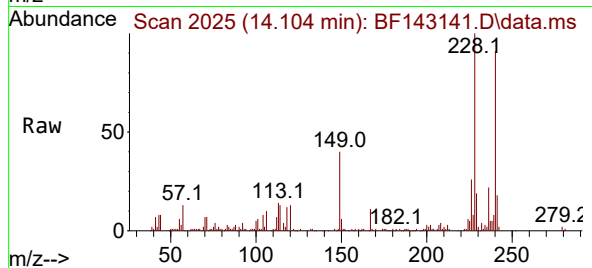
#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

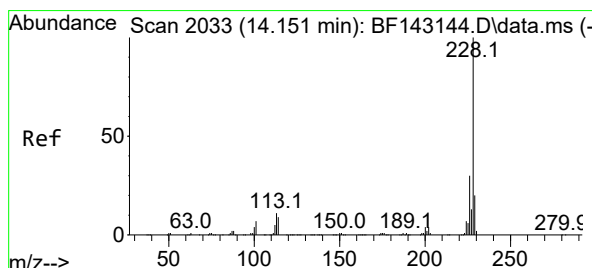
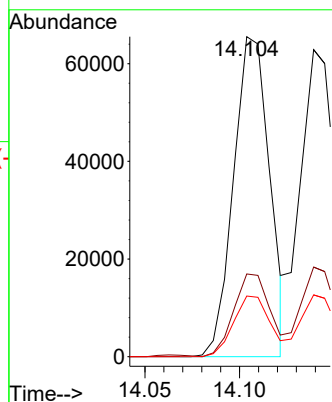
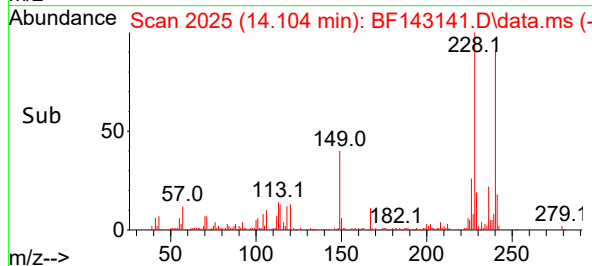


Tgt Ion:228 Resp: 86920
Ion Ratio Lower Upper
228 100
226 25.8 21.7 32.5
229 19.0 15.8 23.6

Manual Integrations

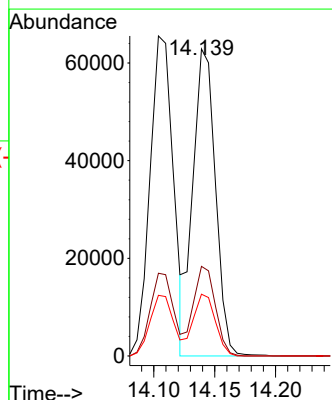
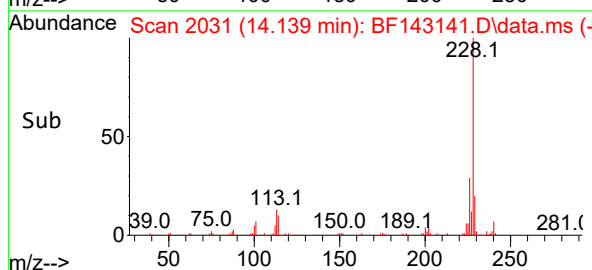
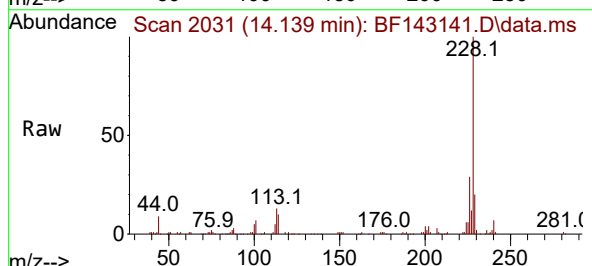
APPROVED

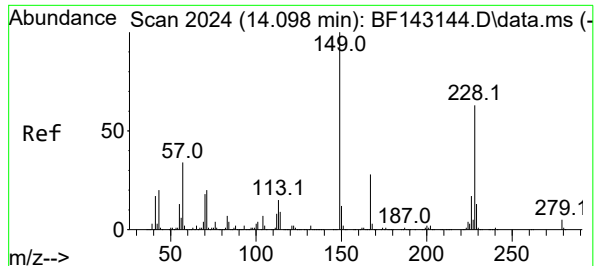
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

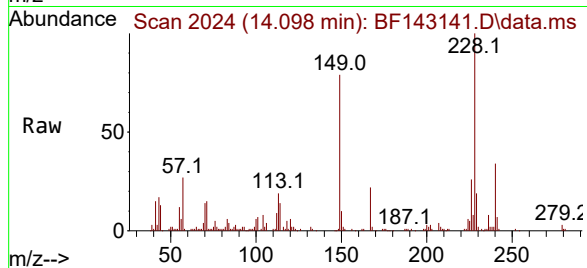
Tgt Ion:228 Resp: 81091
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 20.1 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

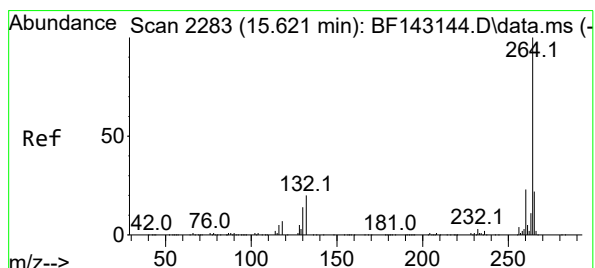
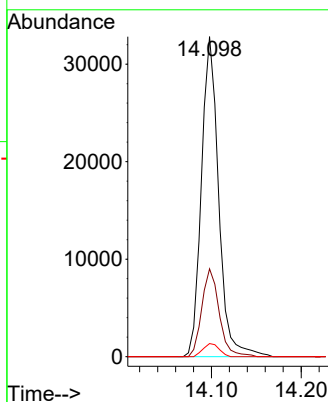
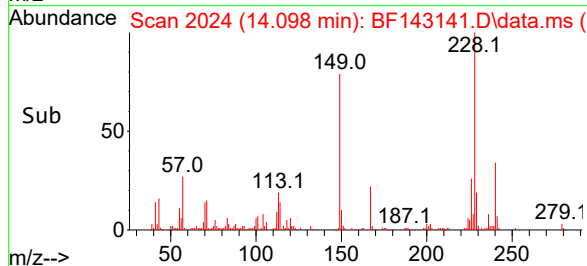
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



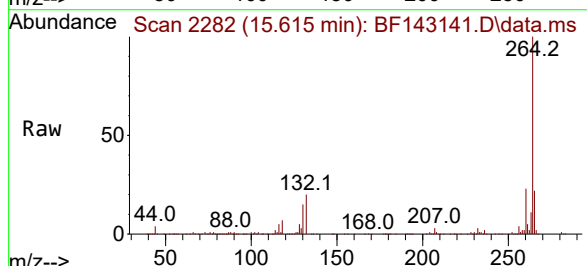
Tgt Ion:149 Resp: 43732
Ion Ratio Lower Upper
149 100
167 27.5 22.3 33.5
279 4.1 3.6 5.4

Manual Integrations
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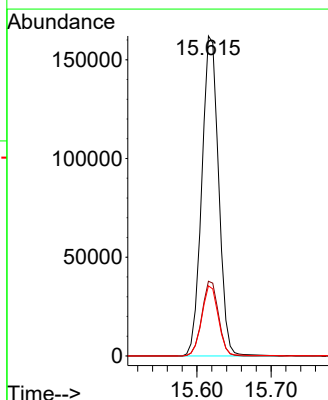
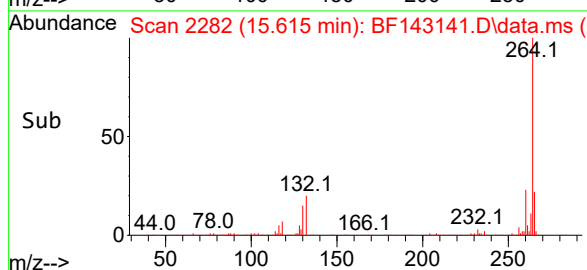
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

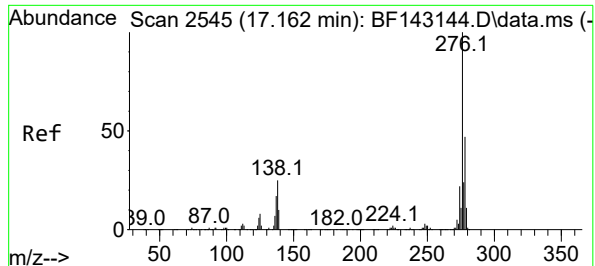


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



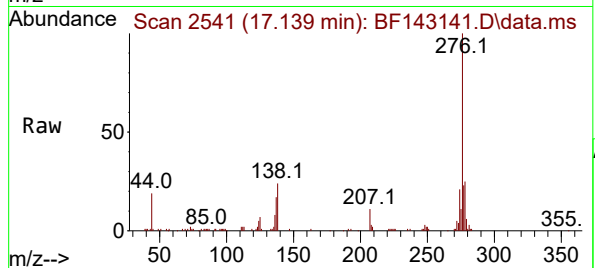
Tgt Ion:264 Resp: 255898
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

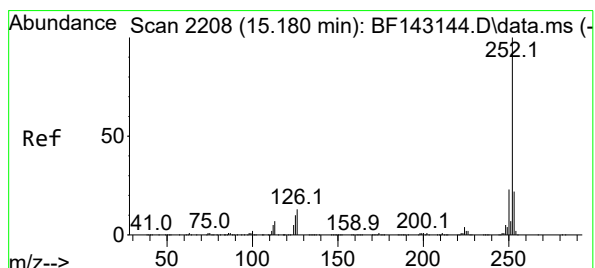
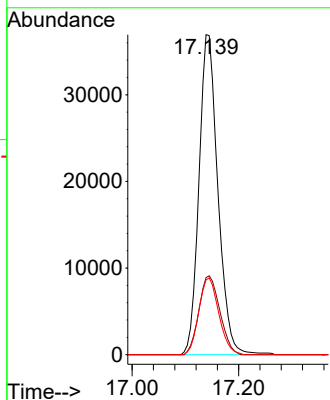
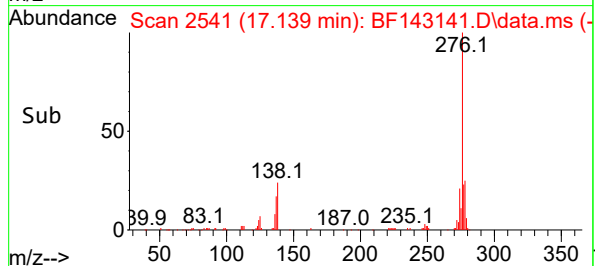
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



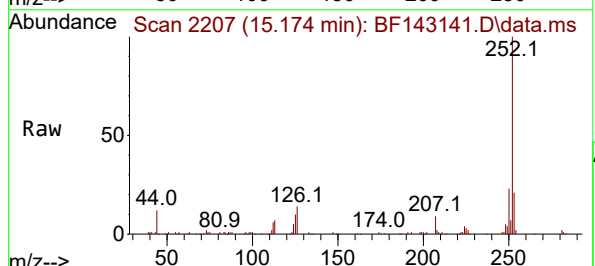
Tgt Ion:276 Resp: 91070
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.2 20.0 30.0

Manual Integrations
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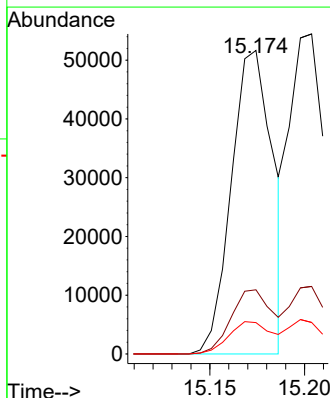
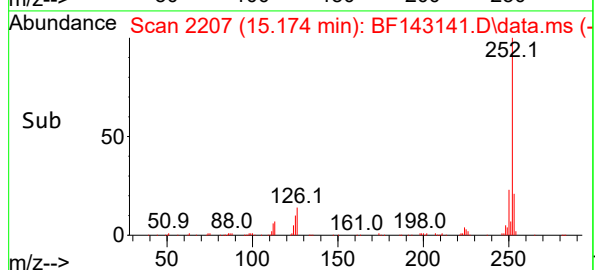
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

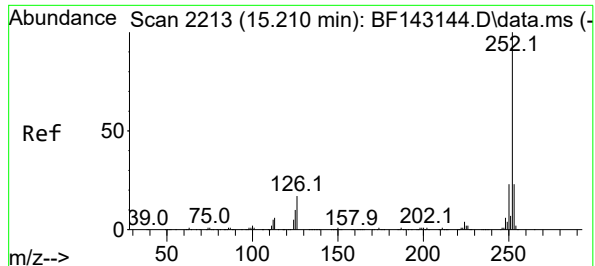


#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



Tgt Ion:252 Resp: 78749
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 5.358 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 74738

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

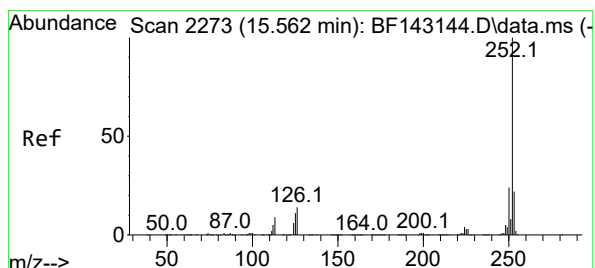
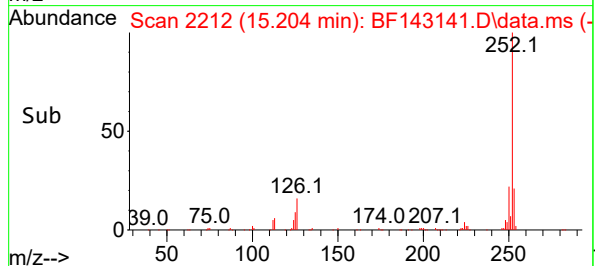
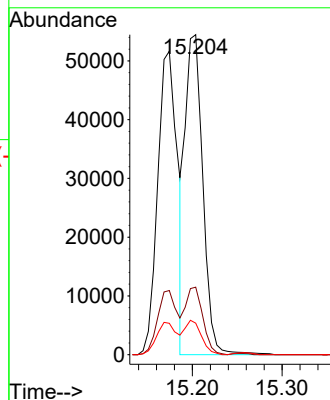
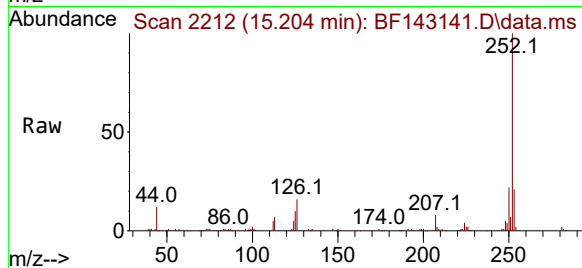
125 9.9 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 5.012 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143141.D

Acq: 17 Jul 2025 11:34

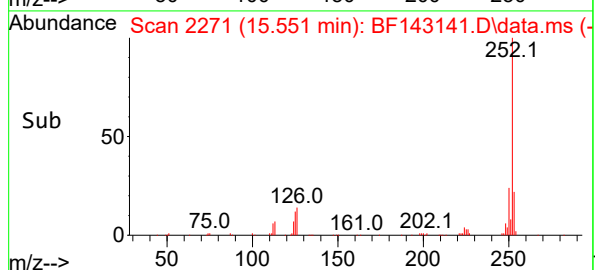
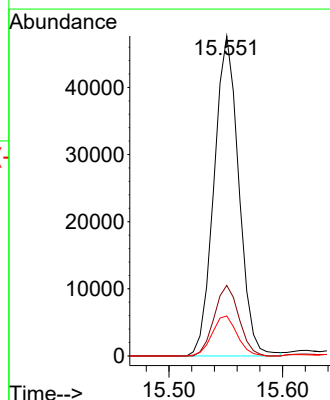
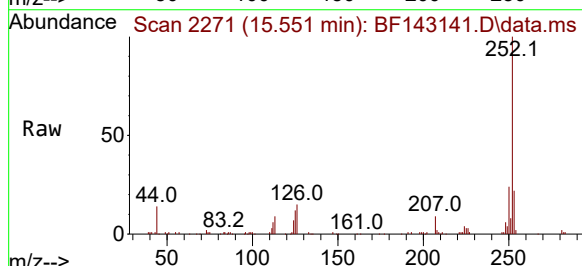
Tgt Ion:252 Resp: 72196

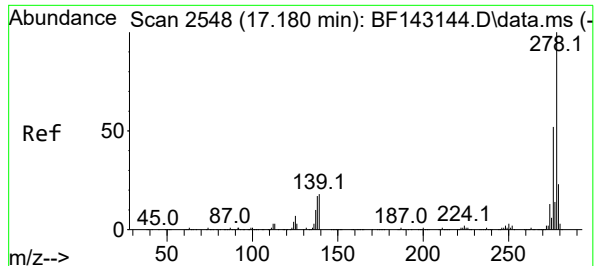
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

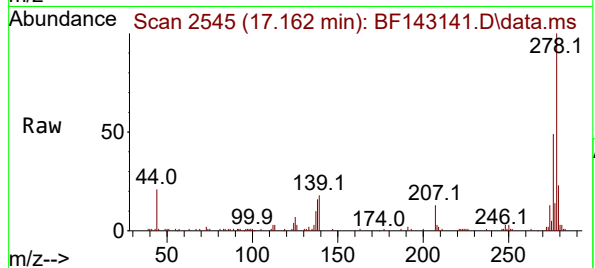
125 12.5 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

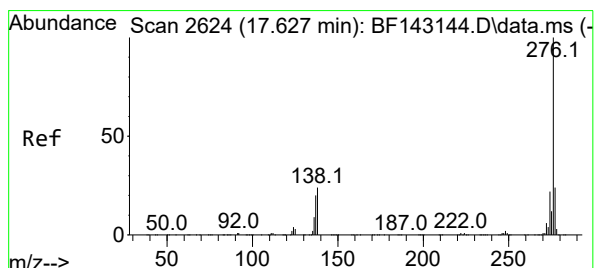
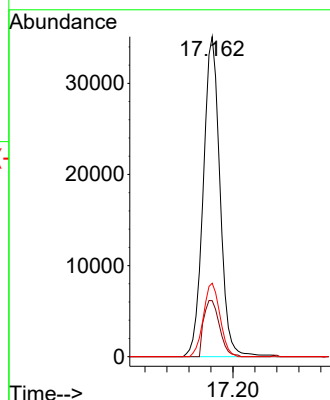
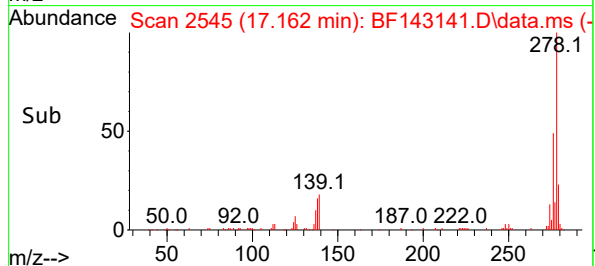
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



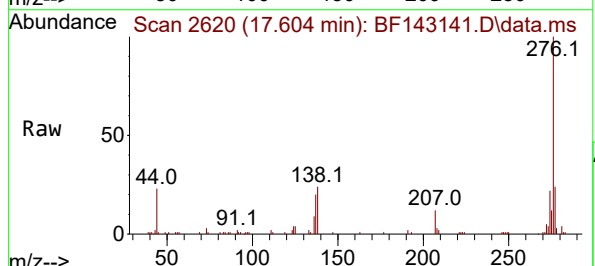
Tgt Ion:278 Resp: 74120
Ion Ratio Lower Upper
278 100
139 17.5 14.1 21.1
279 22.9 18.6 28.0

Manual Integrations
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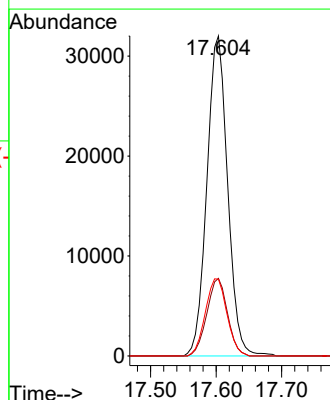
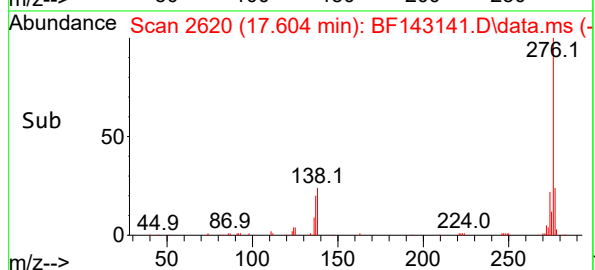
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34



Tgt Ion:276 Resp: 70403
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.0 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng	0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng	0.00
86) Perylene-d12	15.621	264	273706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	184363	20.778	ng	0.00
7) Phenol-d6	6.569	99	230206	20.613	ng	-0.02
23) Nitrobenzene-d5	7.510	82	215086m	19.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng	0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng	98
3) Pyridine	3.587	79	109317	10.032	ng	100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng	98
6) Aniline	6.616	93	158580	10.188	ng	99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng	98
9) Benzaldehyde	6.510	77	81897	9.779	ng	100
10) Phenol	6.587	94	124080m	10.198	ng	
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng	99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng	97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng	99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng	99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng	99
17) 2-Methylphenol	7.198	107	78001	9.974	ng	99
18) Hexachloroethane	7.481	117	34985	9.932	ng	99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng	97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng	91
22) Acetophenone	7.357	105	137532	10.645	ng	# 98
24) Nitrobenzene	7.534	77	100837	9.879	ng	98
25) Isophorone	7.769	82	192895	9.981	ng	100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng	96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng	98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng	100
31) Naphthalene	8.263	128	283107	10.534	ng	99
32) Benzoic acid	7.928	122	28431m	10.113	ng	
33) 4-Chloroaniline	8.304	127	113797	10.369	ng	100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng	99
35) Caprolactam	8.634	113	21157	9.194	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng	98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng	100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng	99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng	97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng	100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng	98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng	99
49) Acenaphthylene	9.857	152	289989	10.607	ng	98
50) Dimethylphthalate	9.704	163	189399	10.283	ng	99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng	93
52) Acenaphthene	10.028	154	168698	10.440	ng	99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng	97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng #	1
55) Dibenzofuran	10.198	168	255272	10.641	ng	99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng	98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng	98
58) Fluorene	10.545	166	198041	10.999	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng	99
60) Diethylphthalate	10.410	149	186802	10.261	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng	97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng	98
63) Azobenzene	10.692	77	197998	10.435	ng	99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng	94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng	97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng	97
69) Atrazine	11.169	200	43045	9.613	ng	98
70) Pentachlorophenol	11.280	266	27529	8.148	ng	99
71) Phenanthrene	11.504	178	253750	10.361	ng	99
72) Anthracene	11.557	178	261960	10.487	ng	99
73) Carbazole	11.704	167	223376	10.241	ng	100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng	100
75) Fluoranthene	12.692	202	227701	10.129	ng	99
77) Benzidine	12.804	184	96484	9.834	ng	99
78) Pyrene	12.922	202	227008	10.445	ng	100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng	98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng	97
83) Chrysene	14.145	228	149446	9.750	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng	97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng	99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng	99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng	99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng	100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng	100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng	99

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

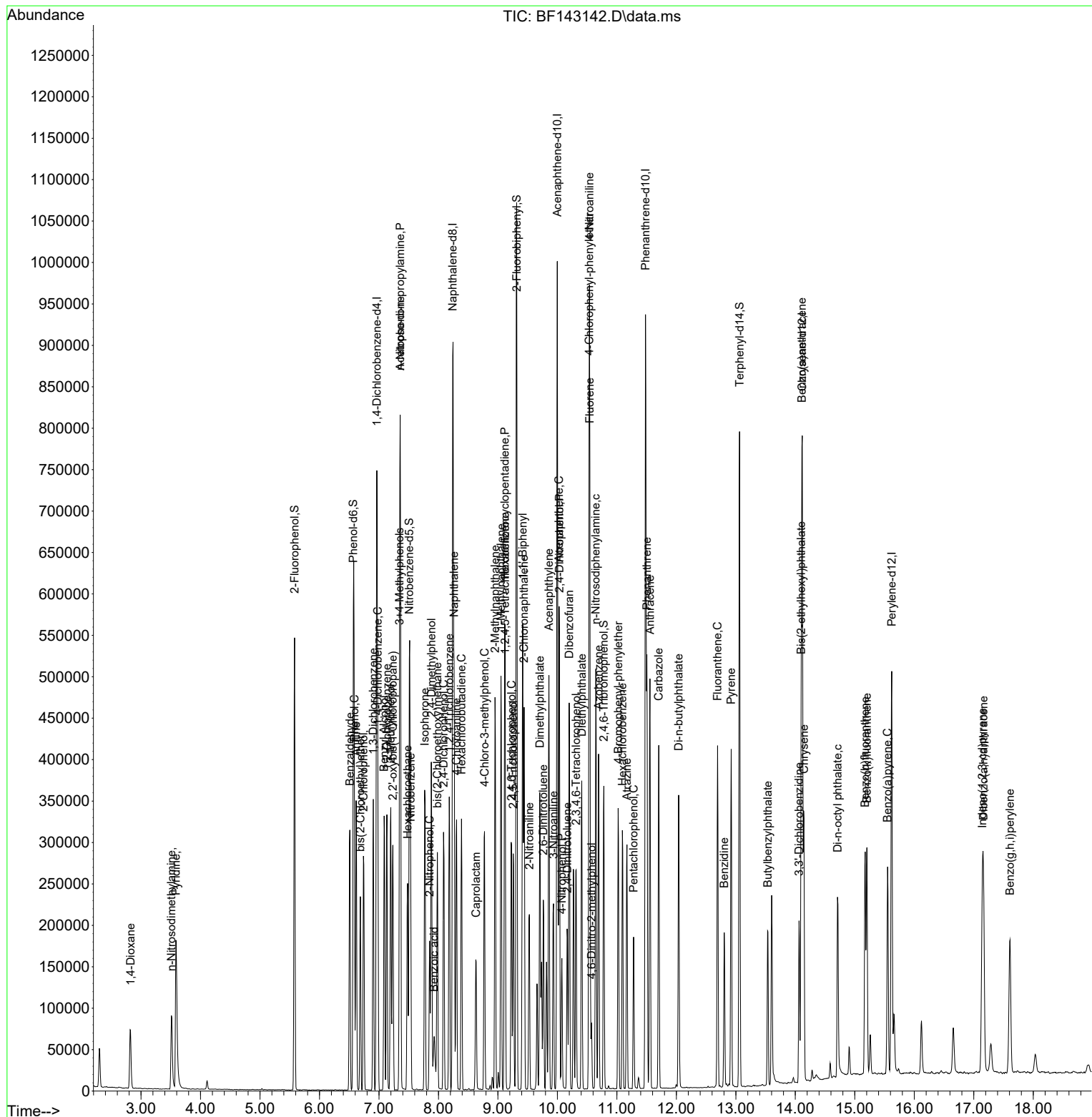
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143142.D
 Acq On : 17 Jul 2025 12:04
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

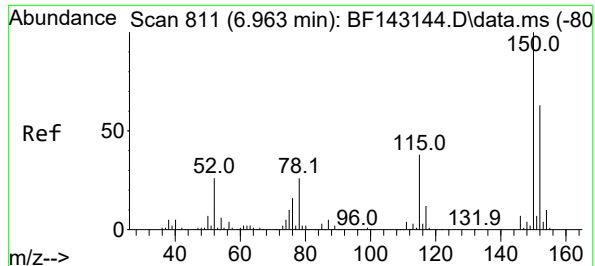
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

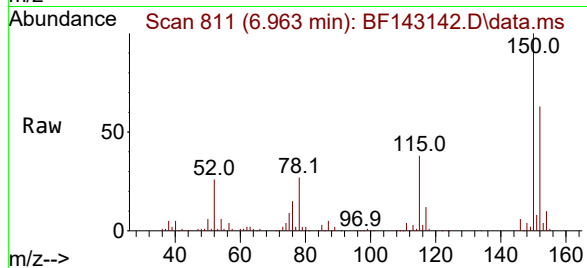
Quant Time: Jul 17 15:01:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

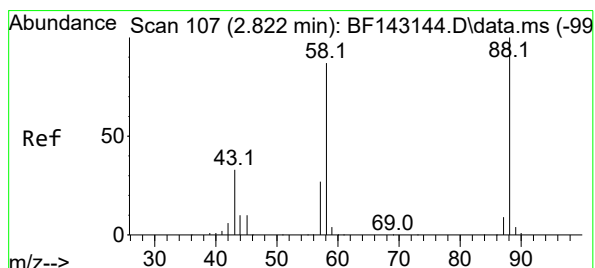
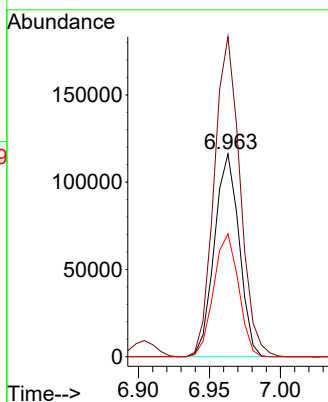
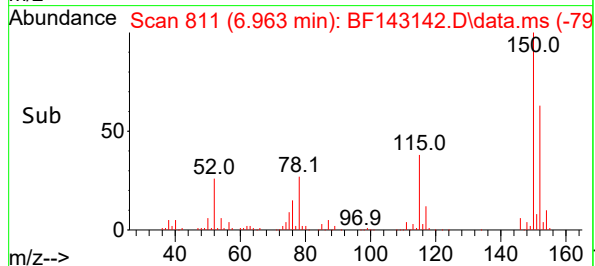
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 140410
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 60.6 47.9 71.9

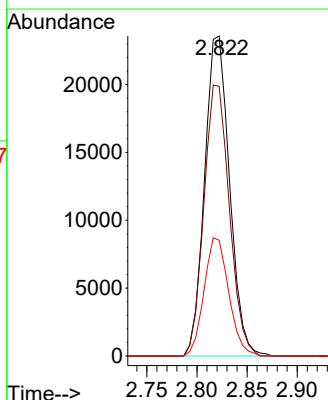
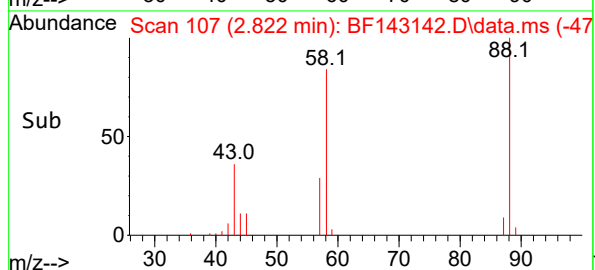
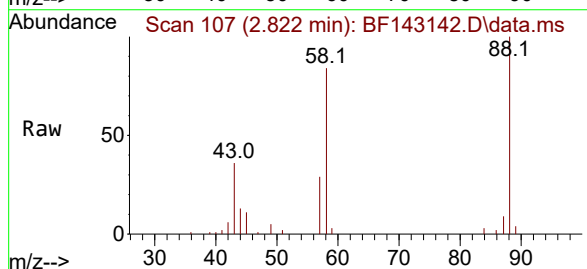
Manual Integrations
APPROVED

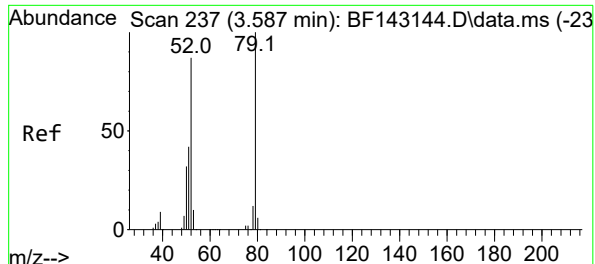
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

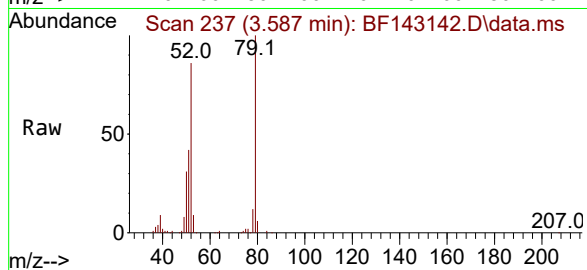
Tgt Ion: 88 Resp: 40860
Ion Ratio Lower Upper
88 100
58 86.6 70.2 105.2
43 36.5 27.1 40.7





#3
Pyridine
Concen: 10.032 ng
RT: 3.587 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

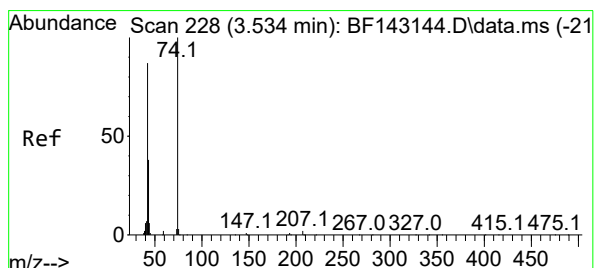
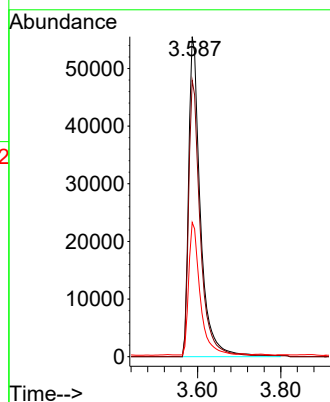
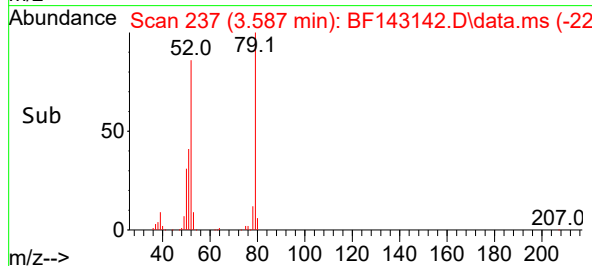
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 10931
Ion Ratio Lower Upper
79 100
52 86.3 69.4 104.2
51 42.0 33.5 50.3

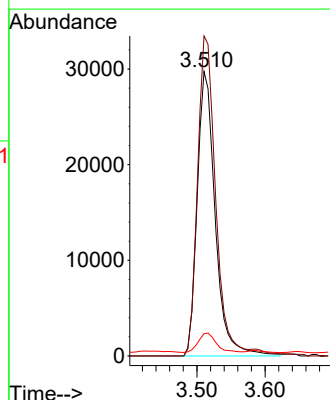
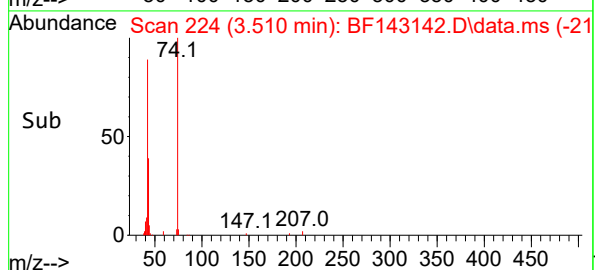
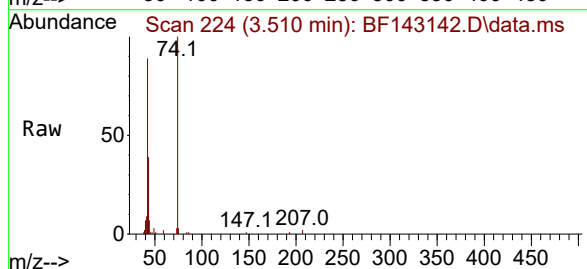
Manual Integrations
APPROVED

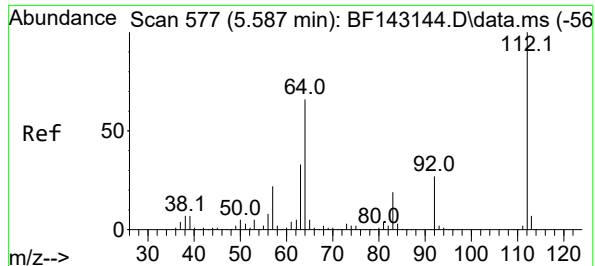
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 9.684 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

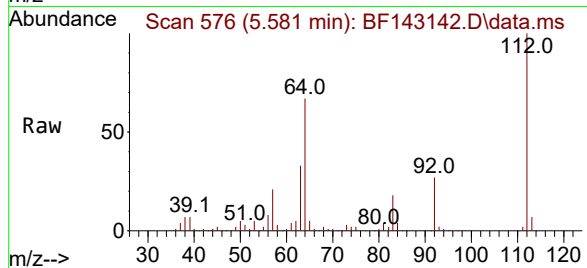
Tgt Ion: 42 Resp: 54487
Ion Ratio Lower Upper
42 100
74 112.5 91.7 137.5
44 7.8 5.6 8.4





#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

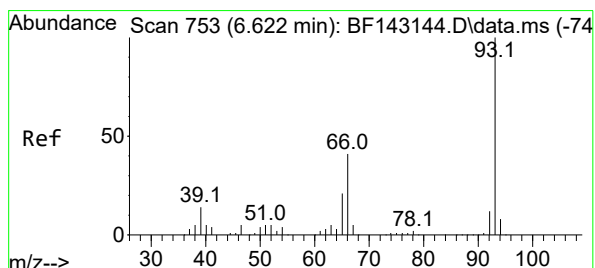
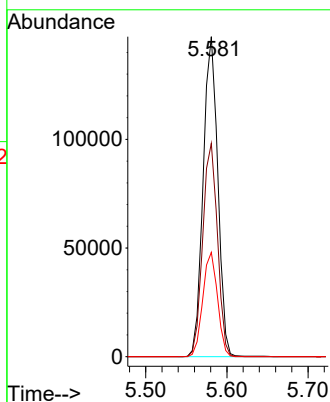
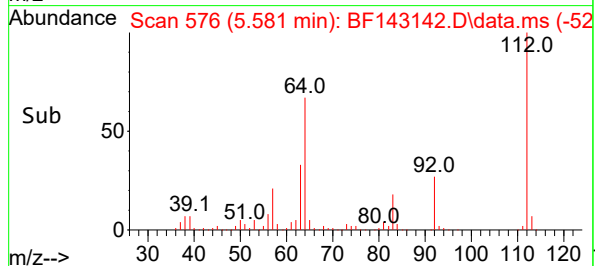
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:112 Resp: 18436
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 32.6 26.6 40.0

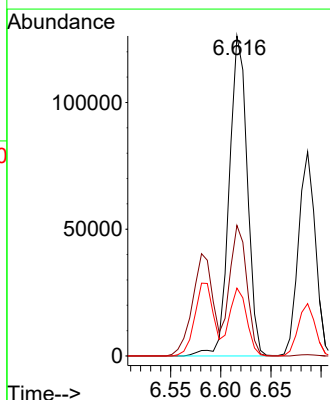
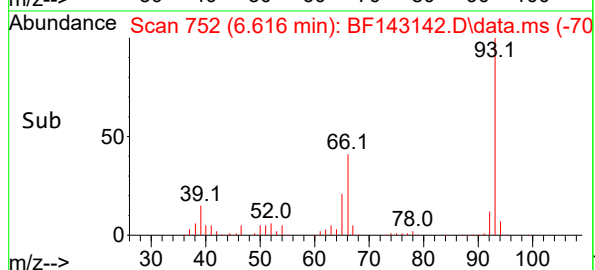
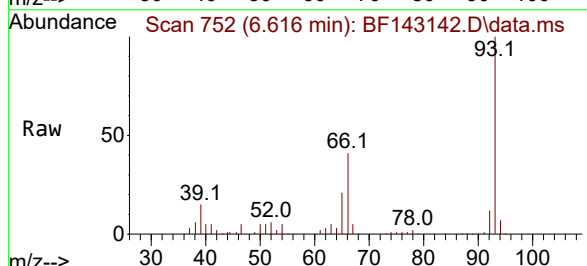
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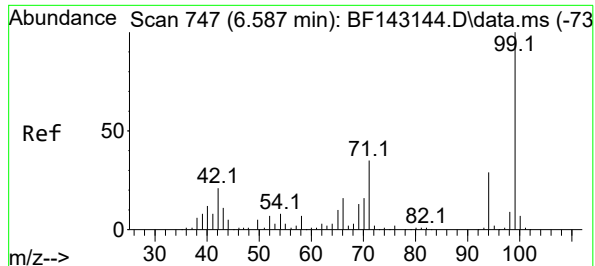
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 158580
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.2 16.9 25.3





#7

Phenol-d6

Concen: 20.613 ng

RT: 6.569 min Scan# 747

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 230200

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

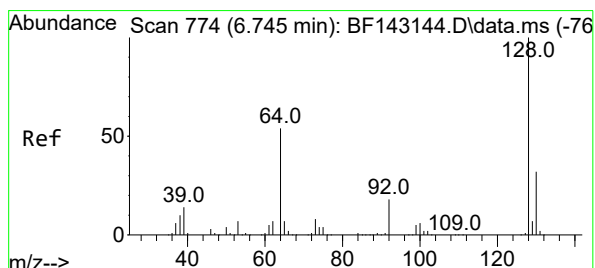
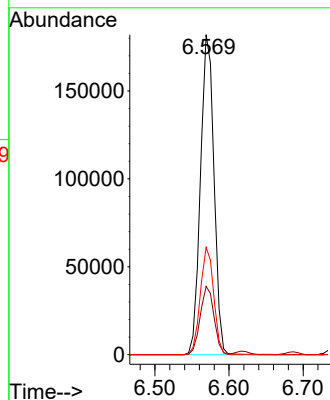
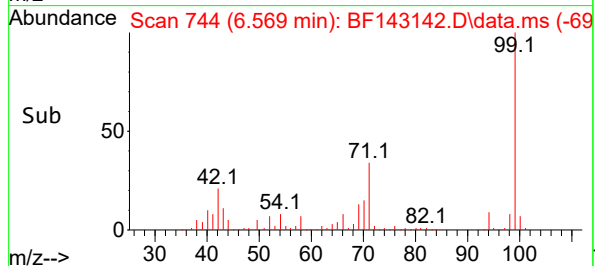
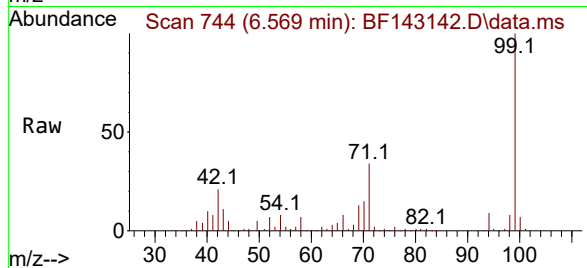
71 33.5 27.7 41.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 10.135 ng

RT: 6.740 min Scan# 773

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

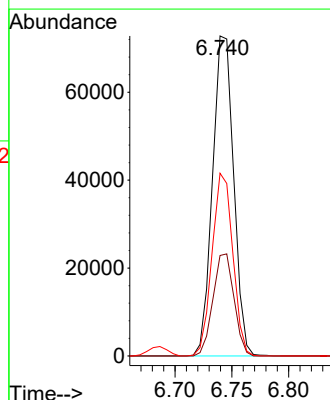
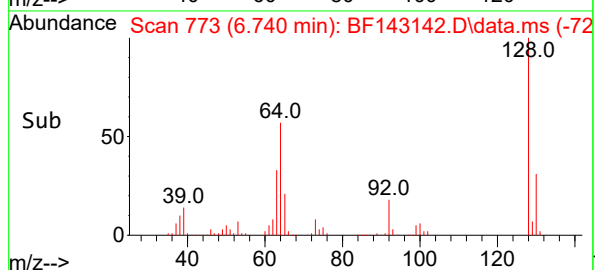
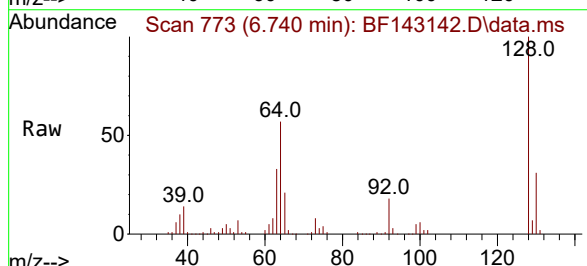
Tgt Ion:128 Resp: 94265

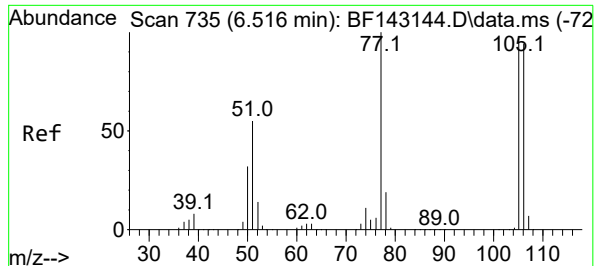
Ion Ratio Lower Upper

128 100

130 31.4 12.3 52.3

64 57.1 35.9 75.9





#9

Benzaldehyde

Concen: 9.779 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 8189

Ion Ratio Lower Upper

77 100

105 96.9 76.8 116.8

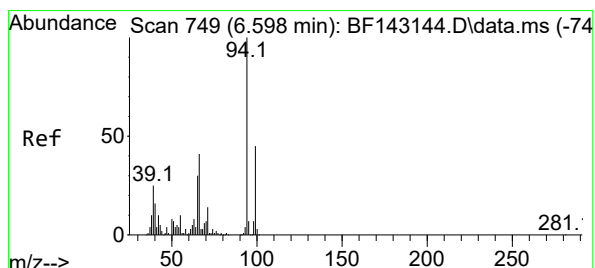
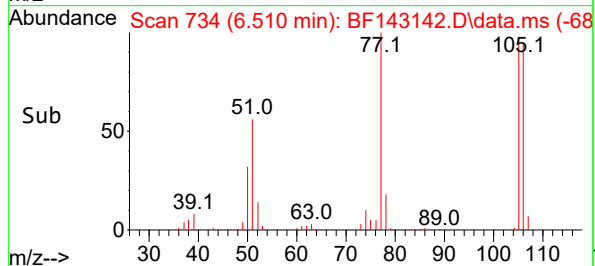
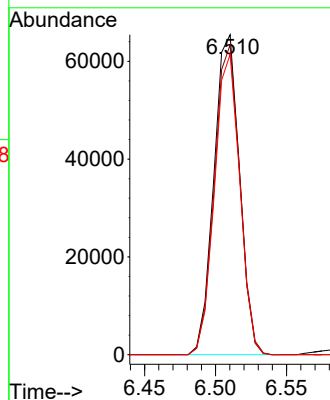
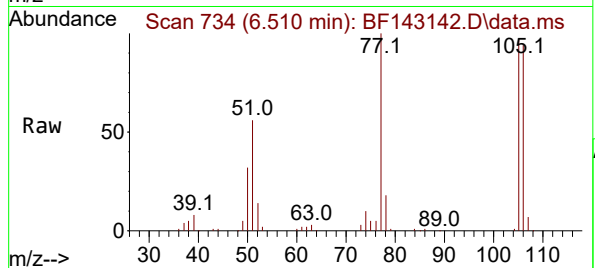
106 93.9 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 10.198 ng m

RT: 6.587 min Scan# 747

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

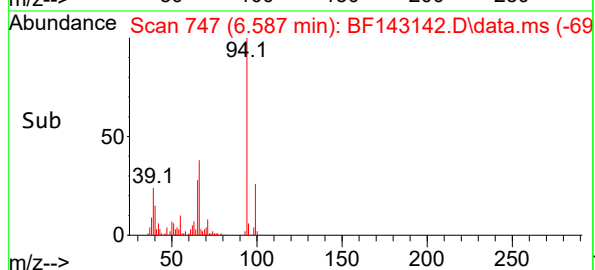
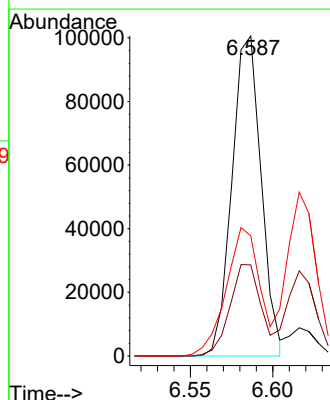
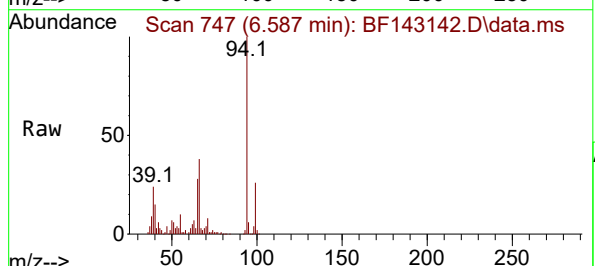
Tgt Ion: 94 Resp: 124080

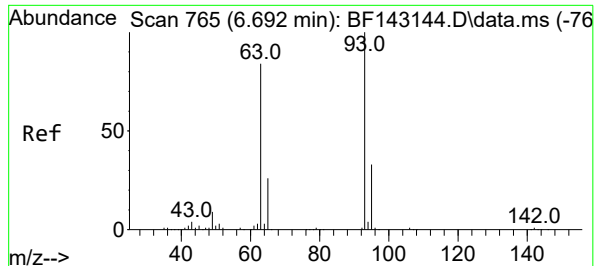
Ion Ratio Lower Upper

94 100

65 28.4 10.0 50.0

66 37.5 20.8 60.8





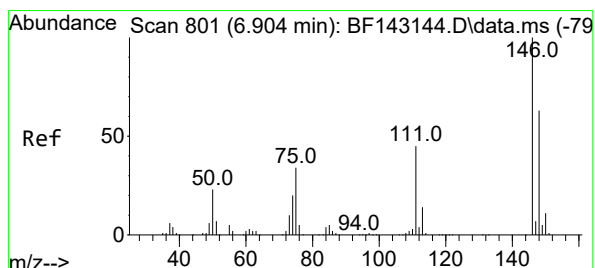
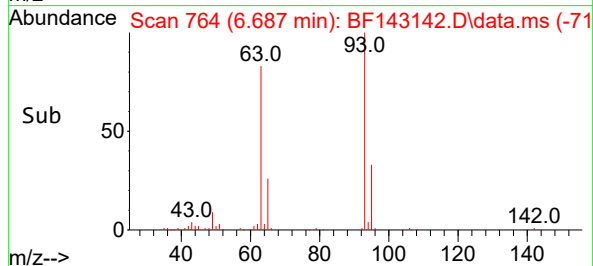
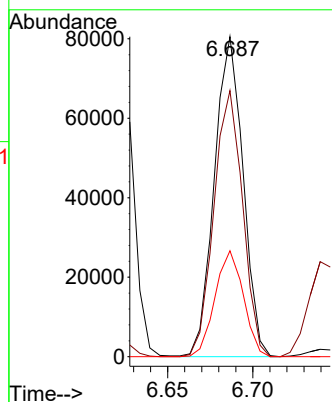
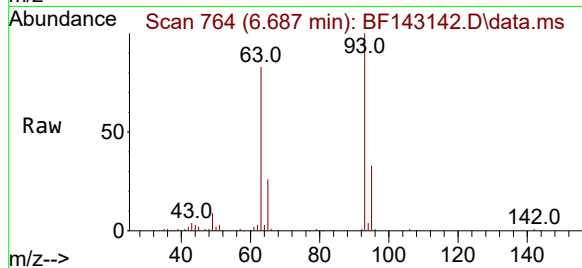
#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 94260
Ion Ratio Lower Upper
93 100
63 83.2 63.4 103.4
95 33.1 12.4 52.4

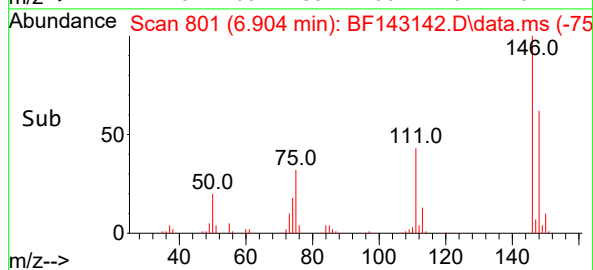
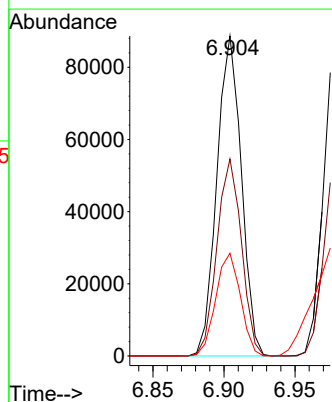
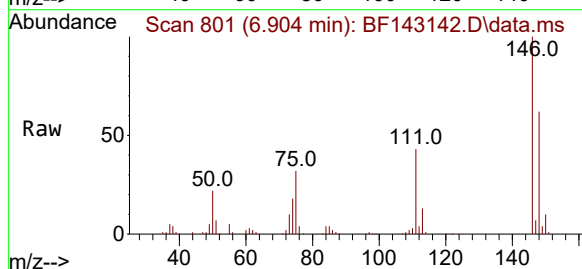
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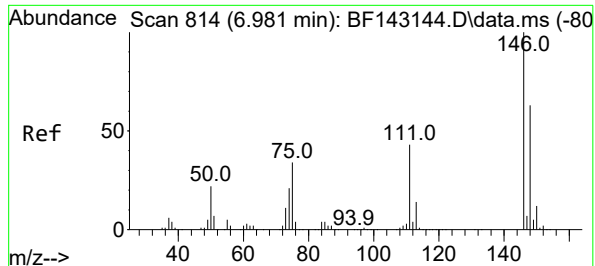
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 106226
Ion Ratio Lower Upper
146 100
148 61.6 50.6 76.0
75 32.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 10.475 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 10658

Ion Ratio Lower Upper

146 100

148 61.9 50.3 75.5

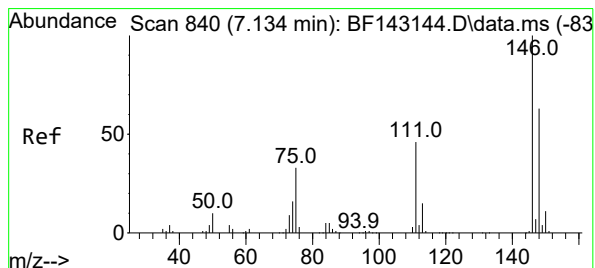
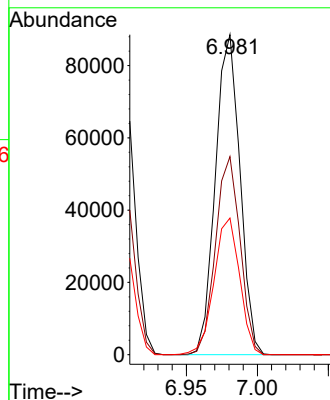
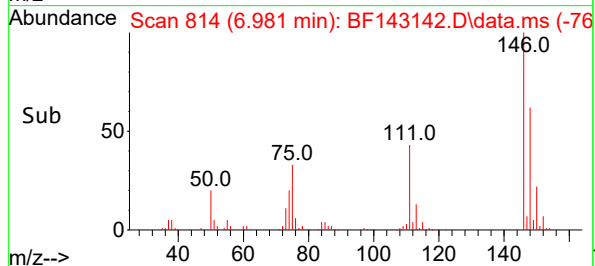
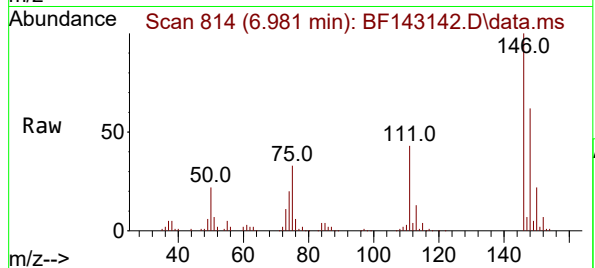
111 42.7 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 10.253 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

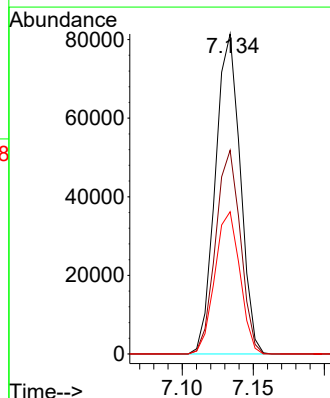
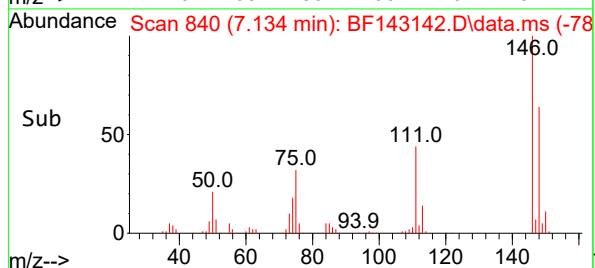
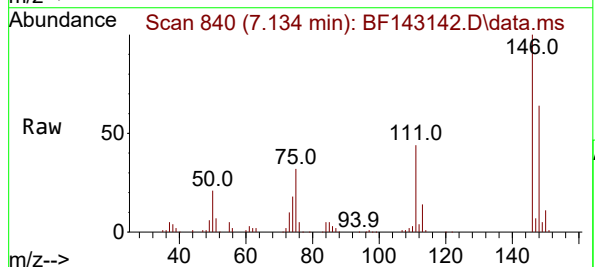
Tgt Ion:146 Resp: 99226

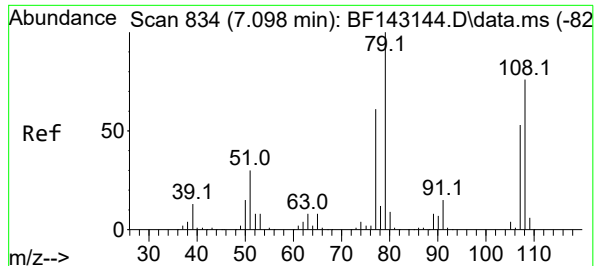
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.5 36.6 54.8





#15

Benzyl Alcohol

Concen: 9.996 ng

RT: 7.087 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 85240

Ion Ratio Lower Upper

79 100

108 74.6 61.1 91.7

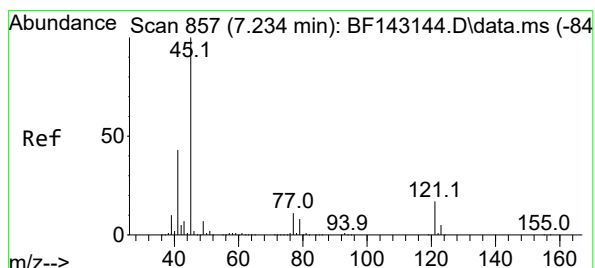
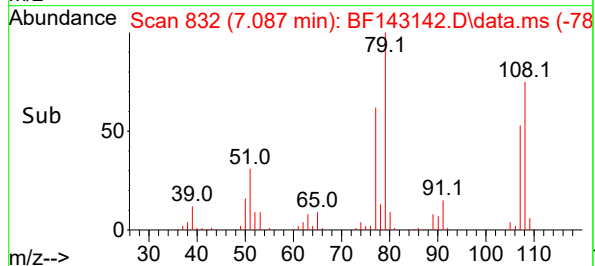
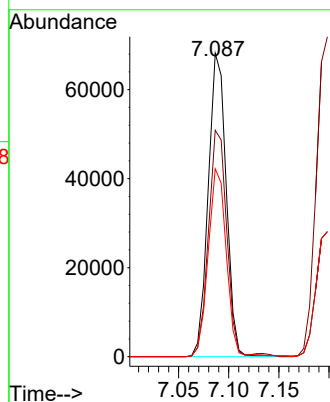
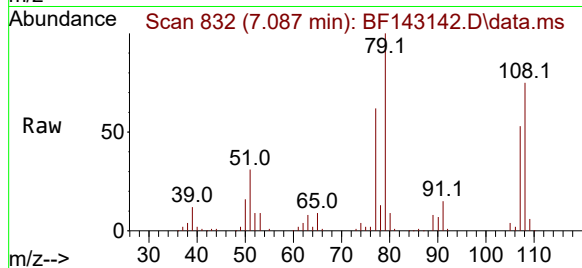
77 61.9 48.9 73.3

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.371 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

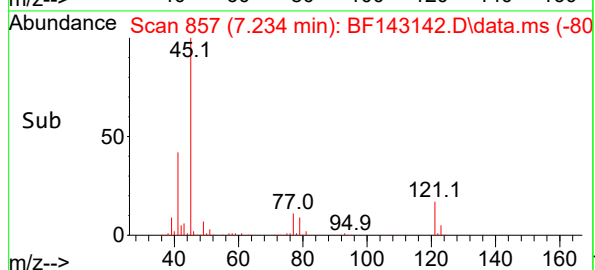
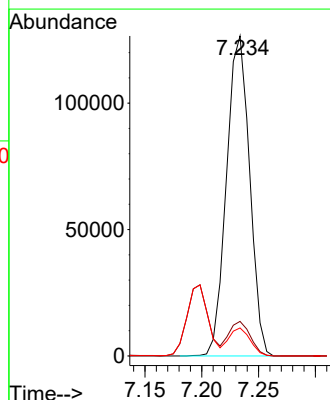
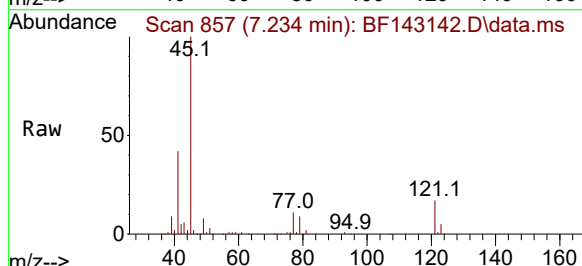
Tgt Ion: 45 Resp: 179226

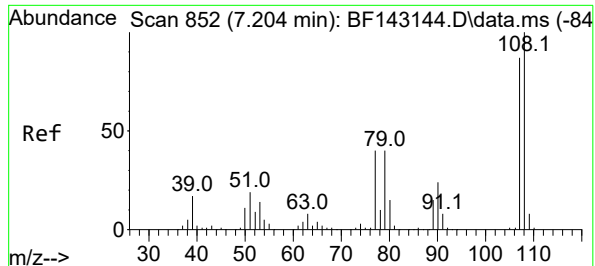
Ion Ratio Lower Upper

45 100

77 10.8 0.0 31.2

79 8.7 0.0 28.5





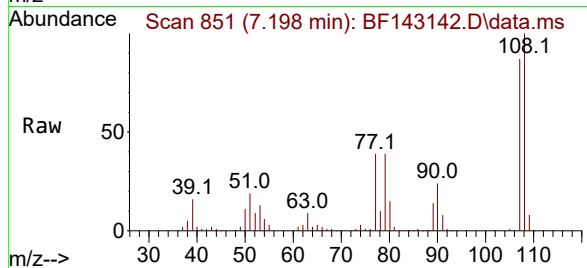
#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

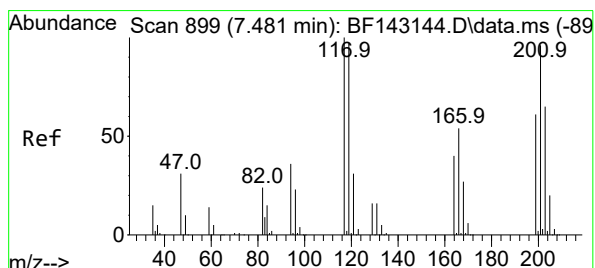
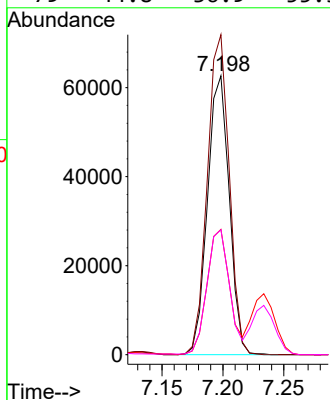
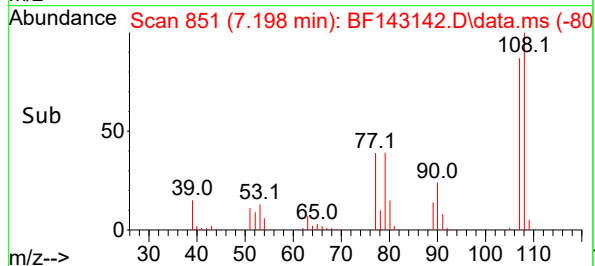


Tgt Ion:107 Resp: 7800
Ion Ratio Lower Upper
107 100
108 114.8 91.8 137.6
77 45.0 37.0 55.6
79 44.8 36.9 55.3

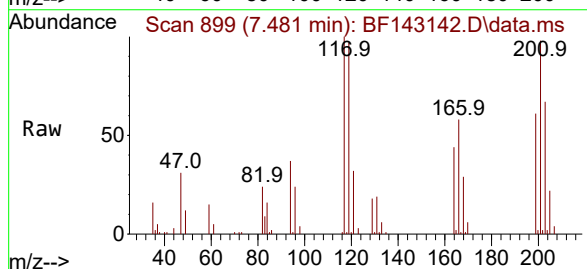
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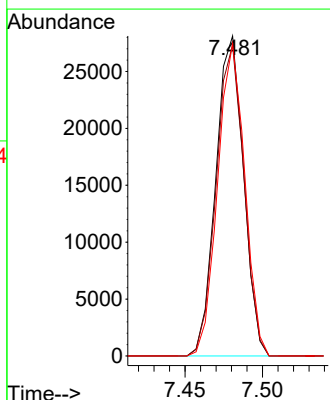
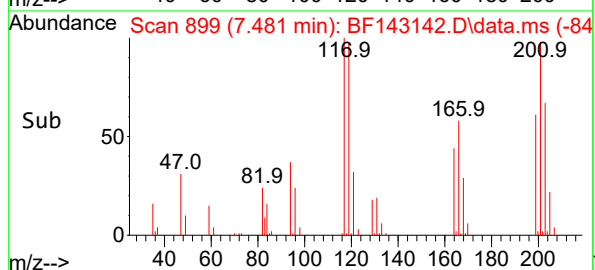
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

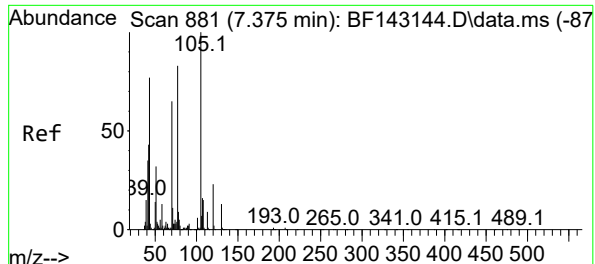


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:117 Resp: 34985
Ion Ratio Lower Upper
117 100
119 97.2 77.8 116.8
201 97.7 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 10.302 ng

RT: 7.357 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 7381

Ion Ratio Lower Upper

70 100

42 69.4 52.5 78.7

101 9.6 7.6 11.4

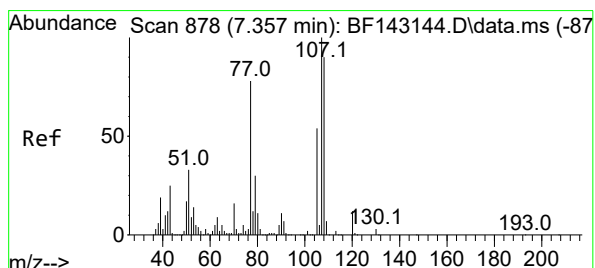
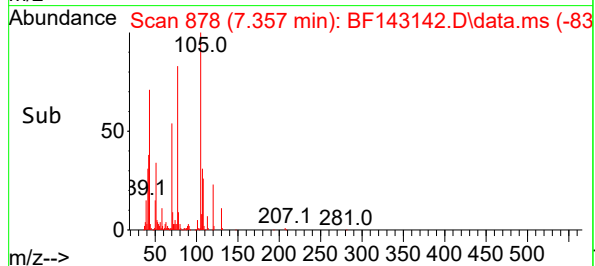
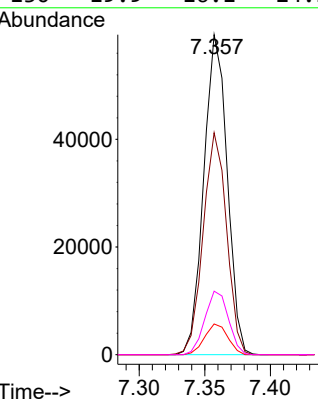
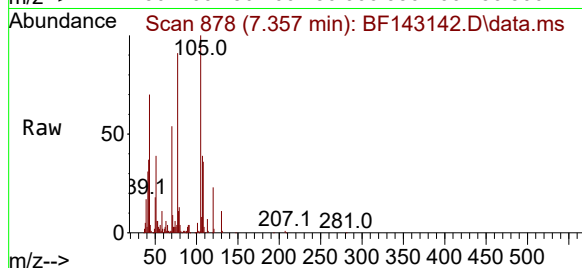
130 19.9 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 10.858 ng

RT: 7.345 min Scan# 876

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 103018

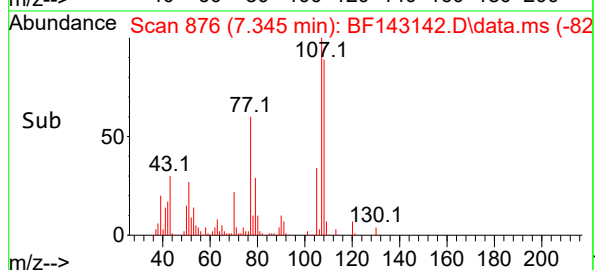
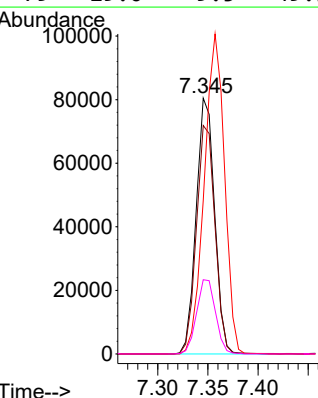
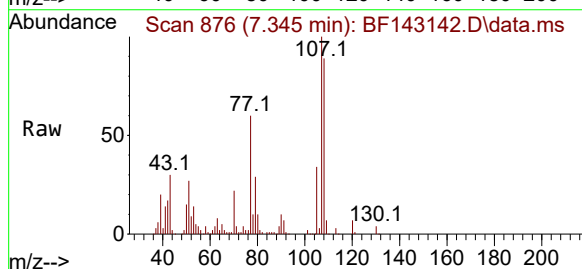
Ion Ratio Lower Upper

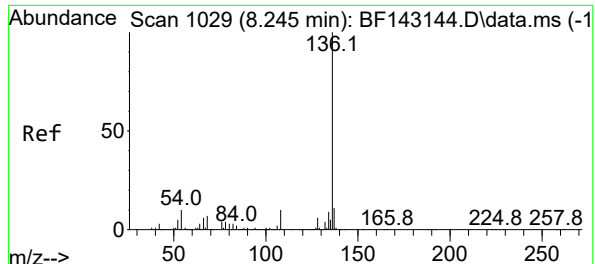
107 100

108 89.3 70.0 110.0

77 60.0 57.8 97.8

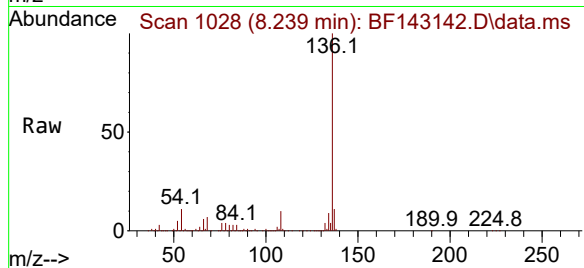
79 29.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

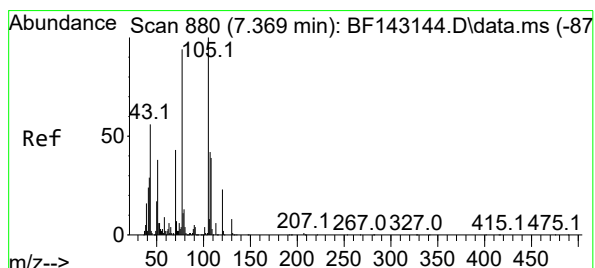
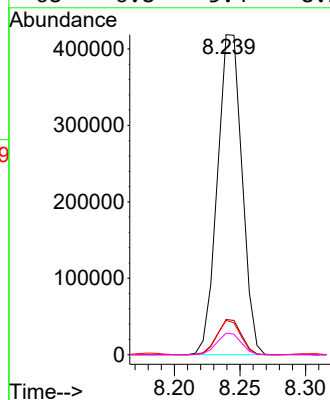
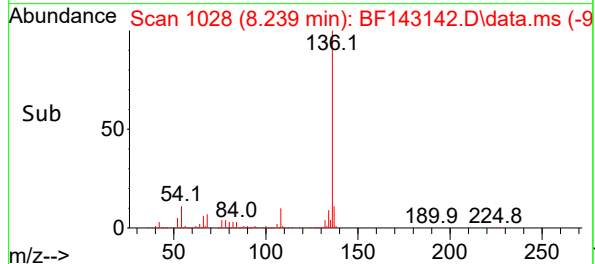
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 545730
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.7 8.2 12.2
68 6.8 5.4 8.2

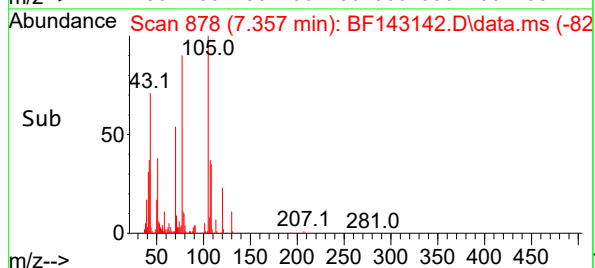
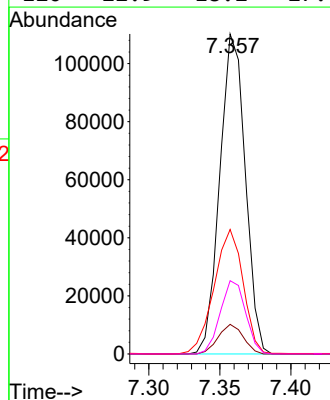
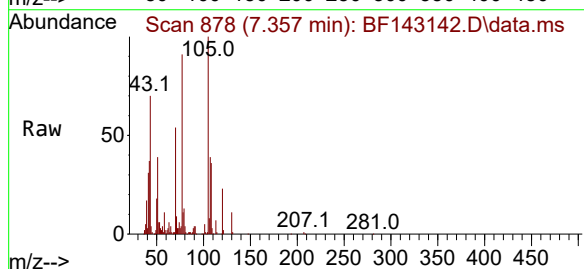
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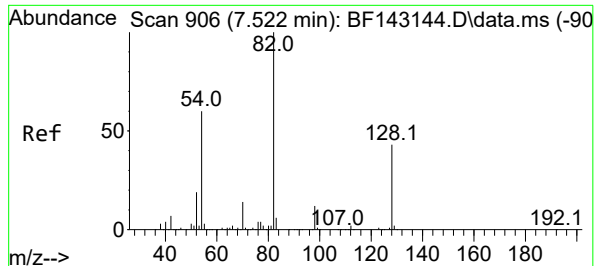
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:105 Resp: 137532
Ion Ratio Lower Upper
105 100
71 9.3 5.8 8.6#
51 38.9 30.2 45.2
120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 19.646 ng m

RT: 7.510 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 21508

Ion Ratio Lower Upper

82 100

128 40.5 33.6 50.4

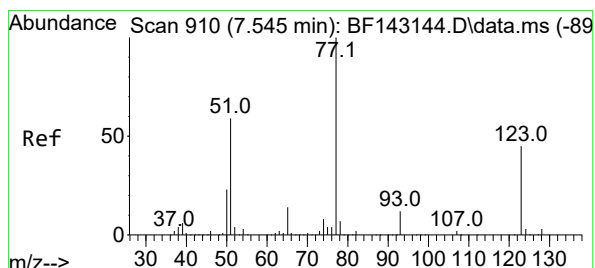
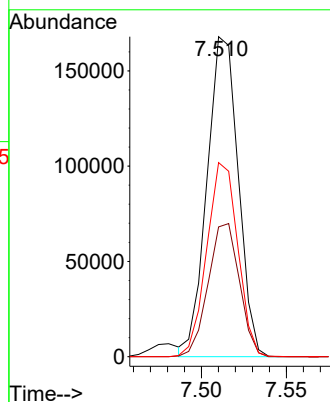
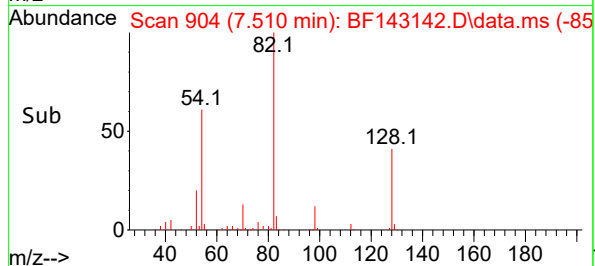
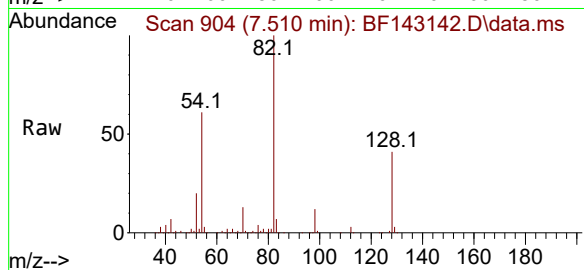
54 60.7 47.1 70.7

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 9.879 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

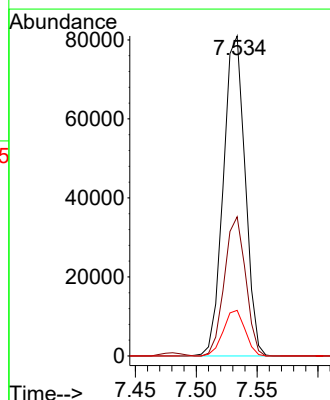
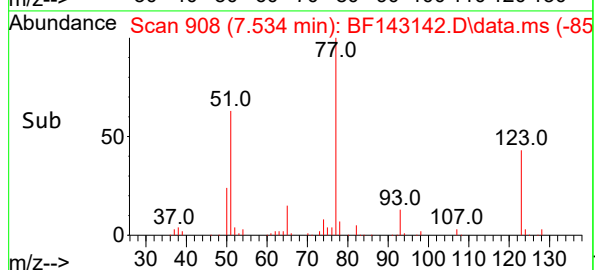
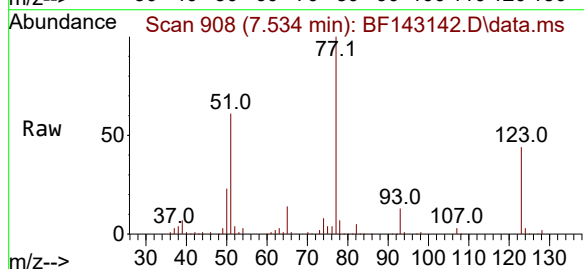
Tgt Ion: 77 Resp: 100837

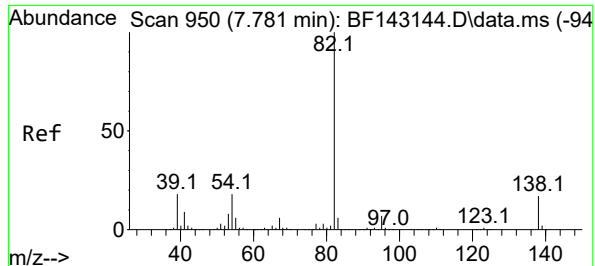
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

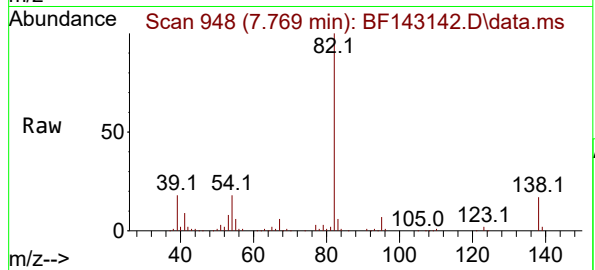
65 14.2 11.4 17.2





#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

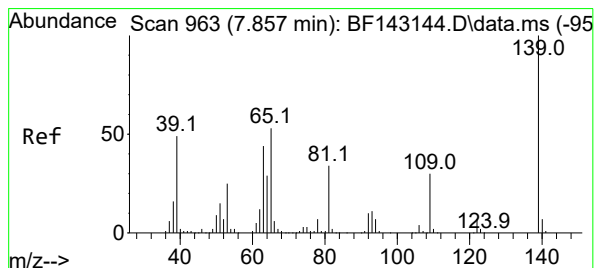
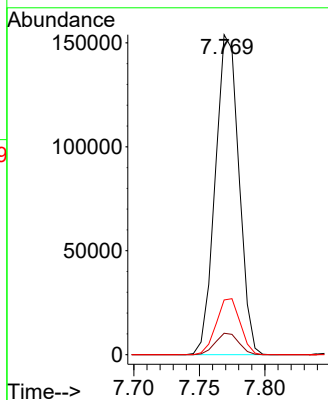
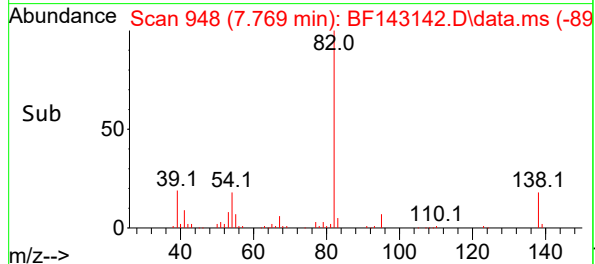
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



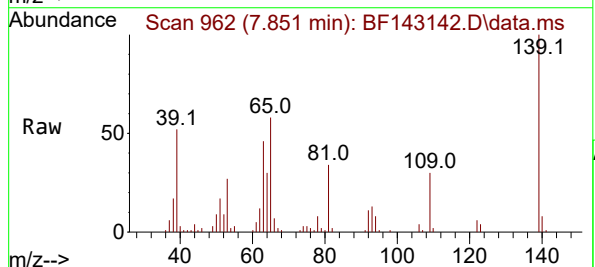
Tgt Ion: 82 Resp: 192895
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.1 13.8 20.8

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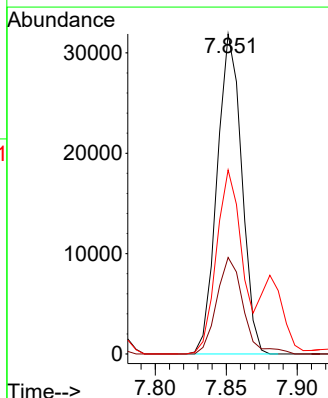
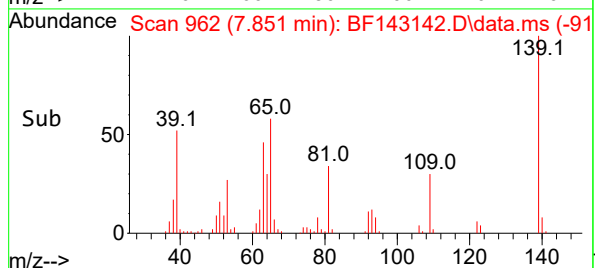
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

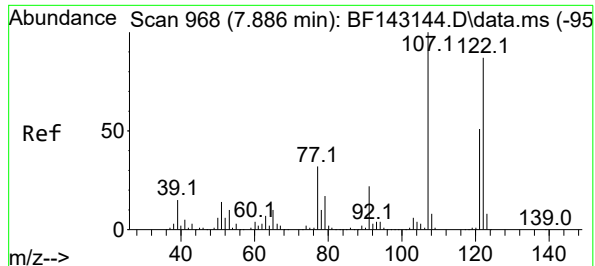


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:139 Resp: 38451
Ion Ratio Lower Upper
139 100
109 30.2 23.6 35.4
65 57.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 10.269 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:122 Resp: 92724

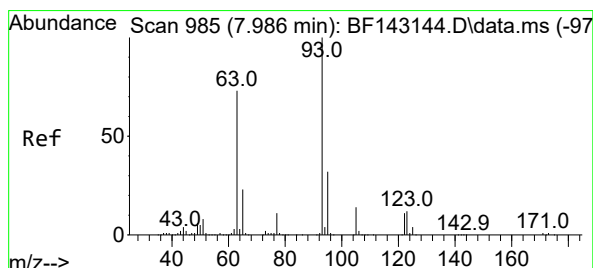
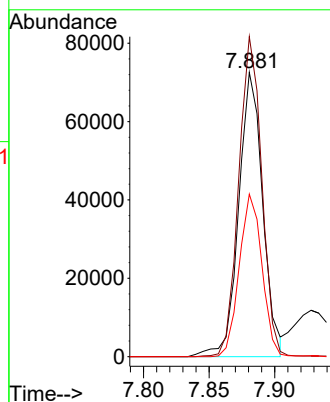
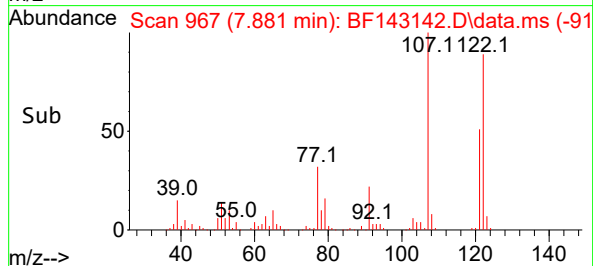
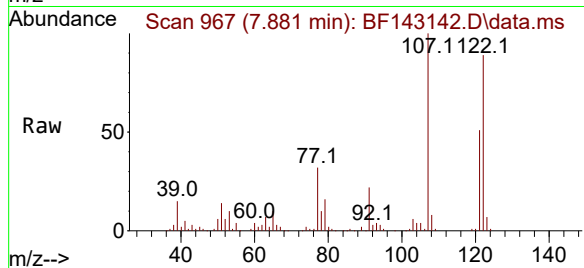
Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.8	137.6
121	57.2	46.3	69.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 10.297 ng

RT: 7.981 min Scan# 984

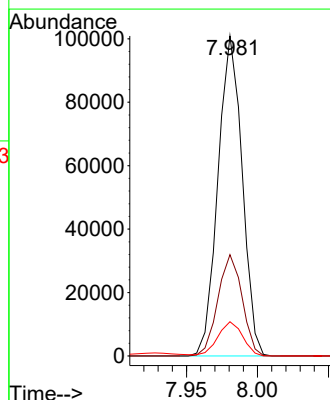
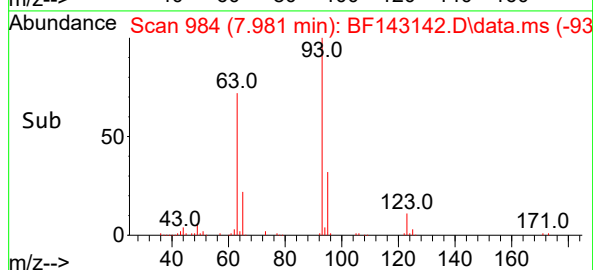
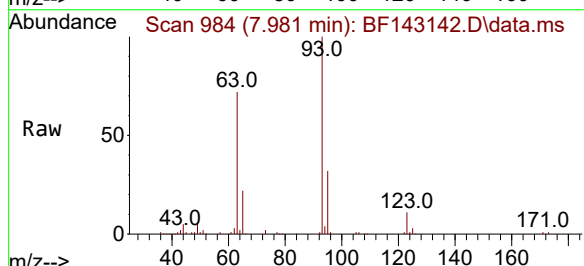
Delta R.T. -0.006 min

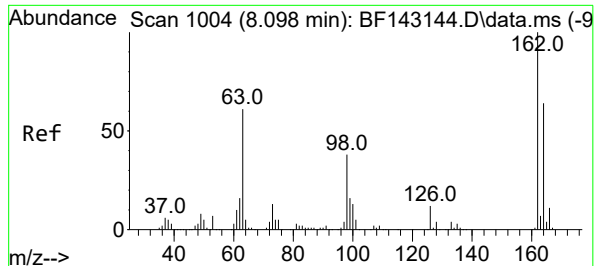
Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 119320

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	10.7	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 10.091 ng

RT: 8.087 min Scan# 1004

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 7684

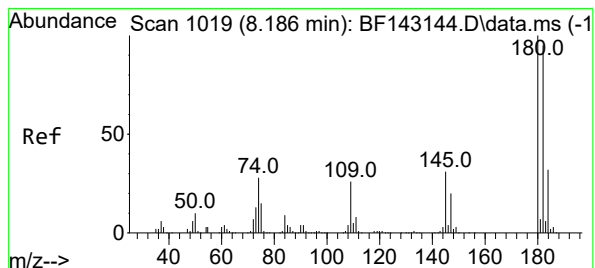
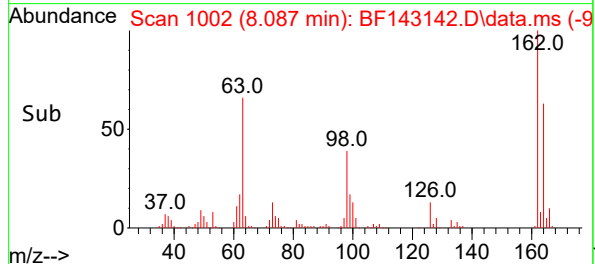
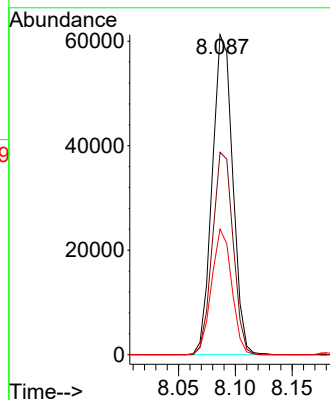
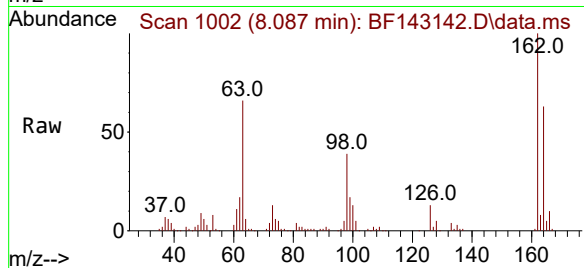
Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.2	84.2
98	39.2	17.9	57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.191 ng

RT: 8.181 min Scan# 1018

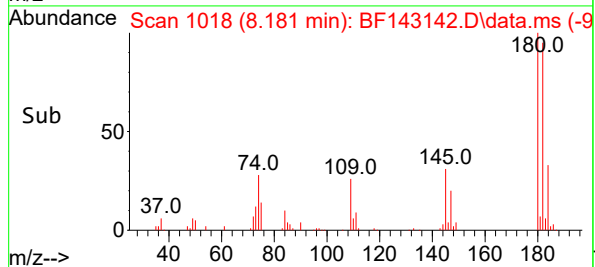
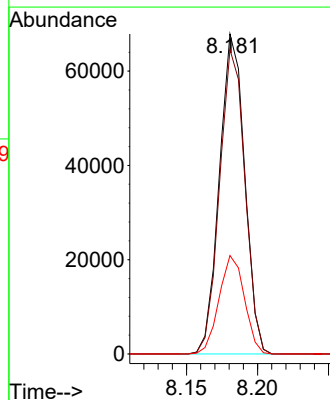
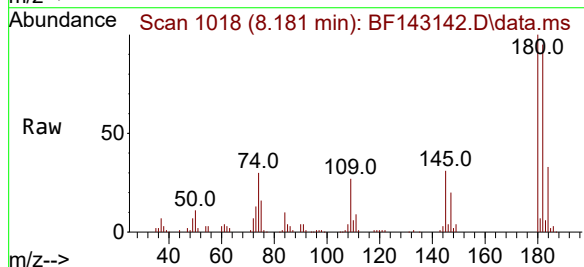
Delta R.T. -0.006 min

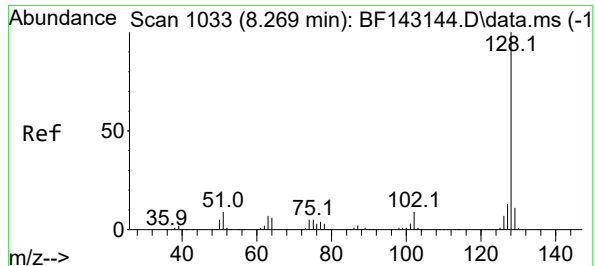
Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion:180 Resp: 83842

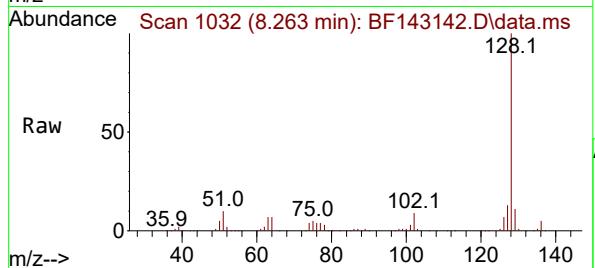
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	30.7	25.0	37.6





#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

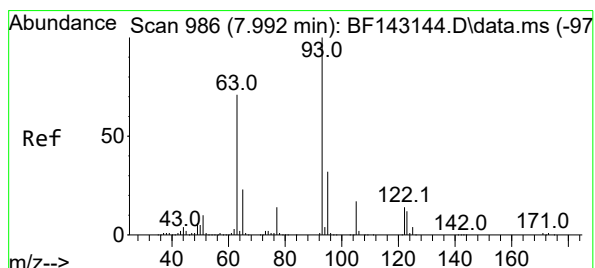
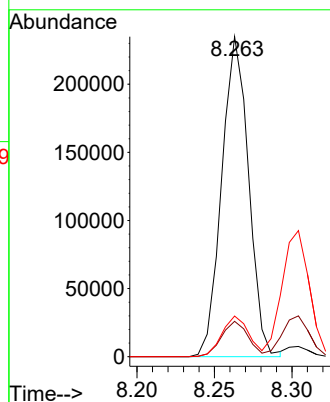
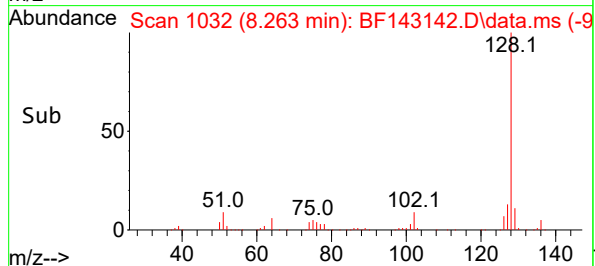
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 28310
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.7 10.6 16.0

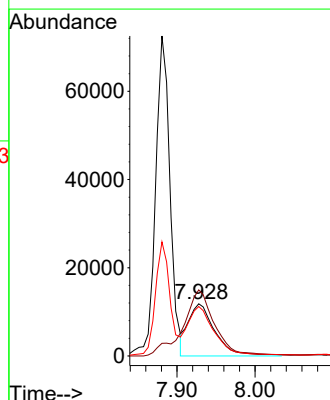
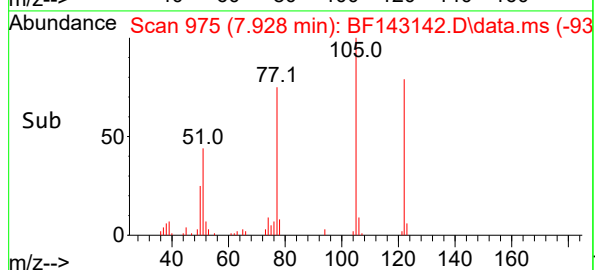
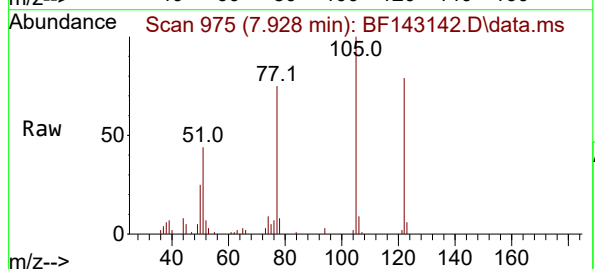
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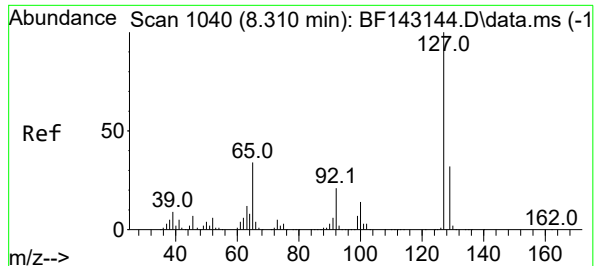
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 10.113 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

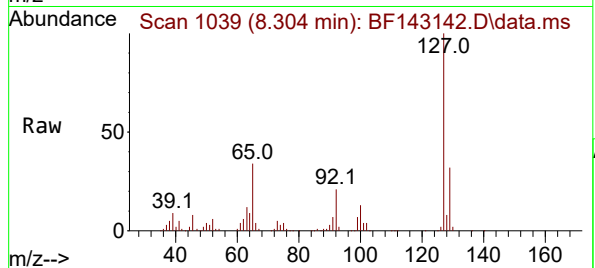
Tgt Ion:122 Resp: 28431
Ion Ratio Lower Upper
122 100
105 126.6 104.8 144.8
77 94.6 77.6 117.6





#33
4-Chloroaniline
Concen: 10.369 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

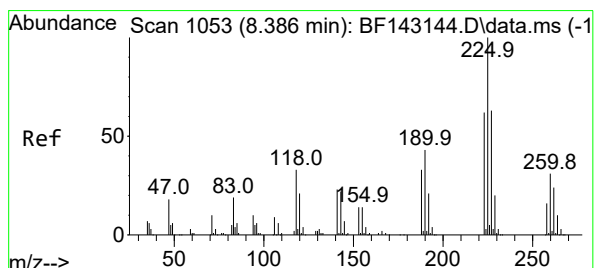
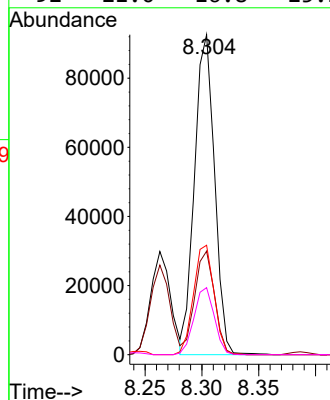
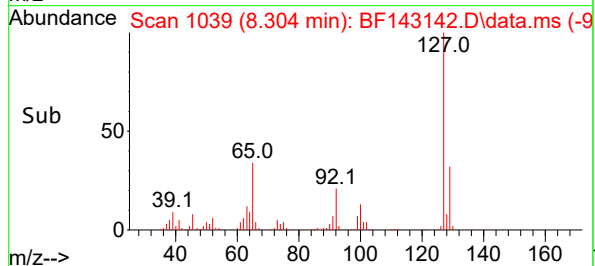
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 11379
Ion Ratio Lower Upper
127 100
129 32.4 26.0 39.0
65 34.2 27.4 41.2
92 21.0 16.8 25.2

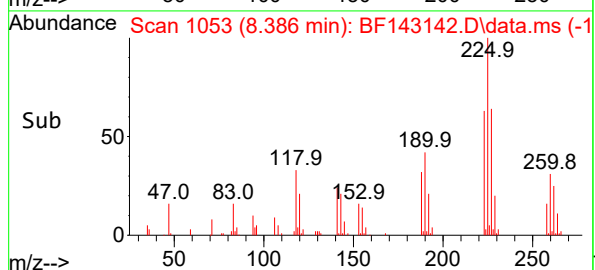
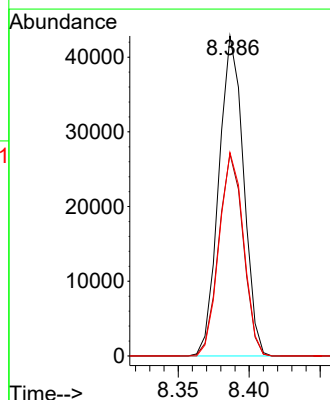
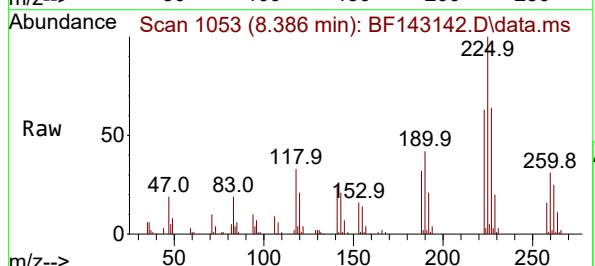
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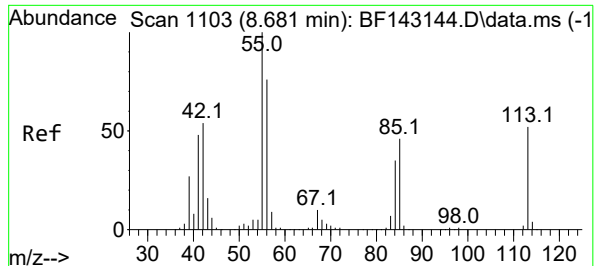
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

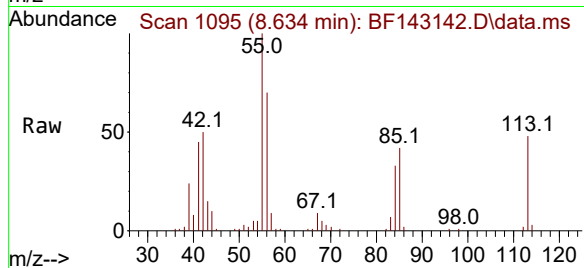
Tgt Ion:225 Resp: 51715
Ion Ratio Lower Upper
225 100
223 63.1 49.8 74.6
227 63.5 50.2 75.4





#35
 Caprolactam
 Concen: 9.194 ng
 RT: 8.634 min Scan# 1103
 Delta R.T. -0.047 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

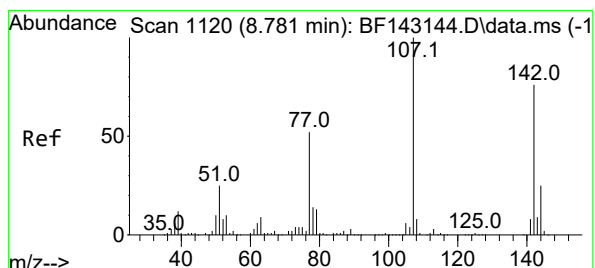
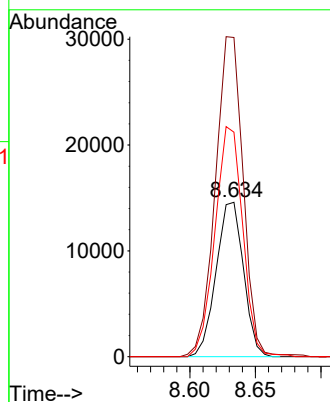
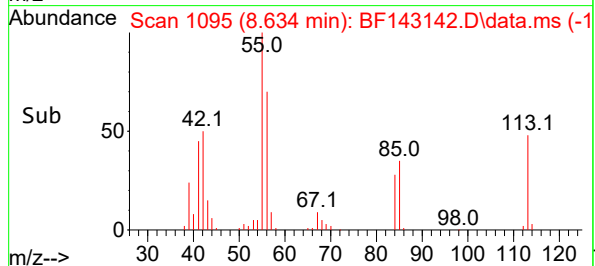
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



Tgt Ion:113 Resp: 2115
 Ion Ratio Lower Upper
 113 100
 55 206.8 174.0 214.0
 56 145.4 126.6 166.6

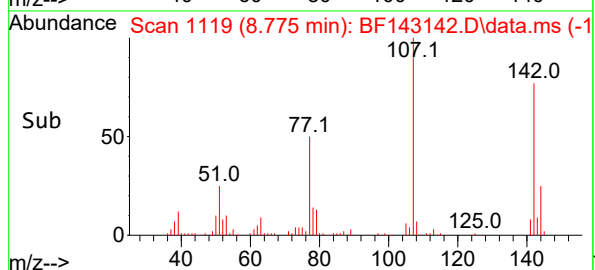
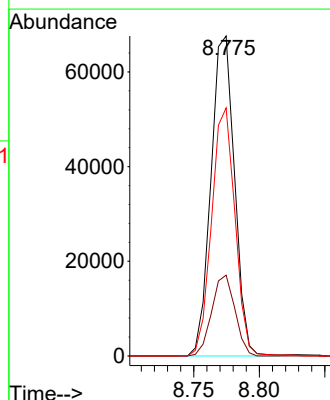
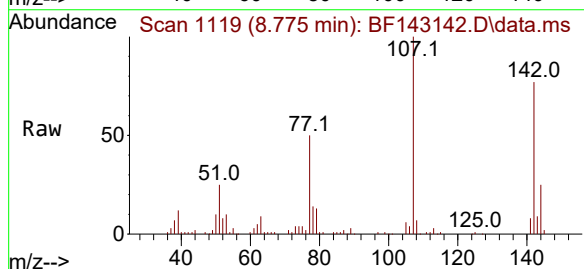
Manual Integrations
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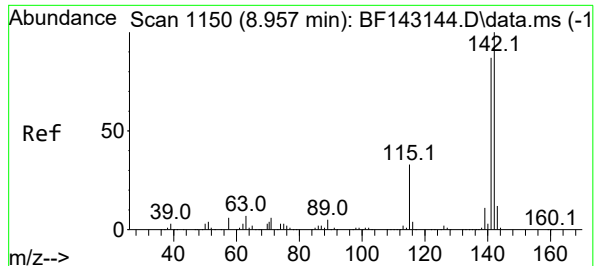
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#36
 4-Chloro-3-methylphenol
 Concen: 10.227 ng
 RT: 8.775 min Scan# 1119
 Delta R.T. -0.006 min
 Lab File: BF143142.D
 Acq: 17 Jul 2025 12:04

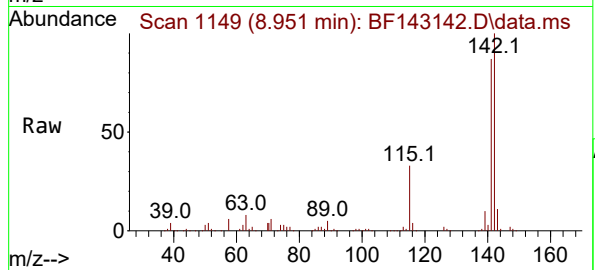
Tgt Ion:107 Resp: 84647
 Ion Ratio Lower Upper
 107 100
 144 25.3 19.8 29.6
 142 77.5 60.6 90.8





#37
2-Methylnaphthalene
Concen: 10.570 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

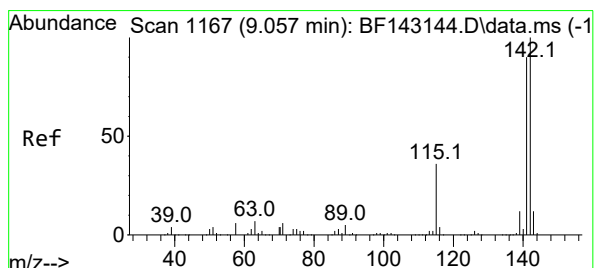
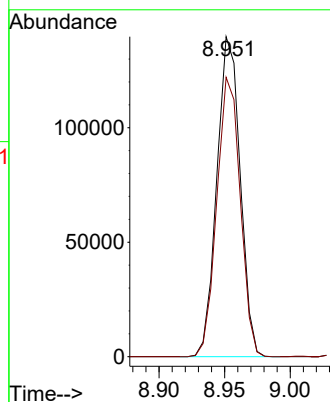
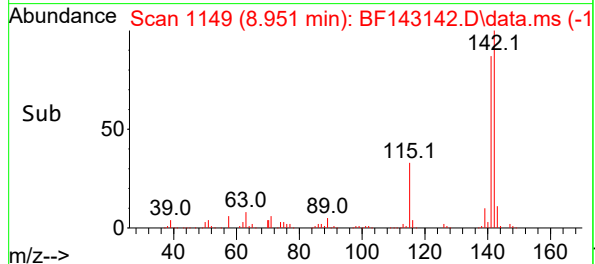
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 17286
Ion Ratio Lower Upper
142 100
141 87.3 69.9 104.9

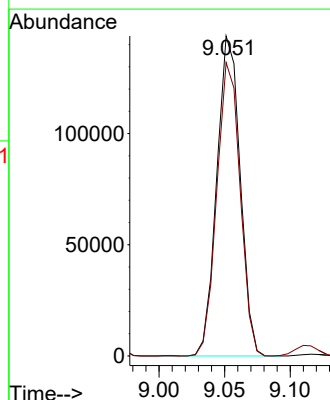
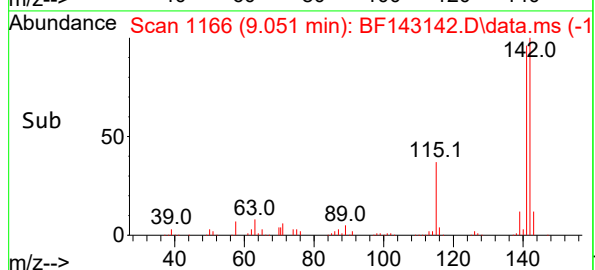
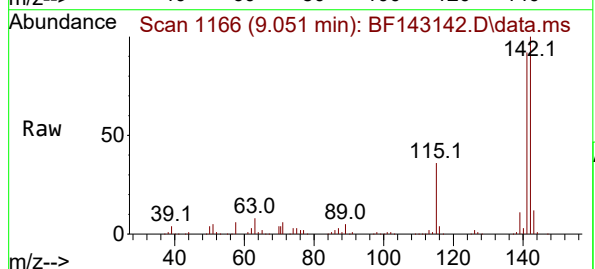
Manual Integrations
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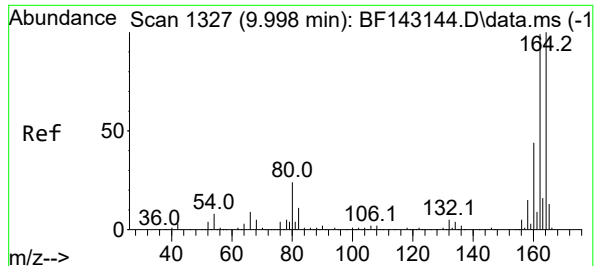
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 177917
Ion Ratio Lower Upper
142 100
141 91.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143142.D

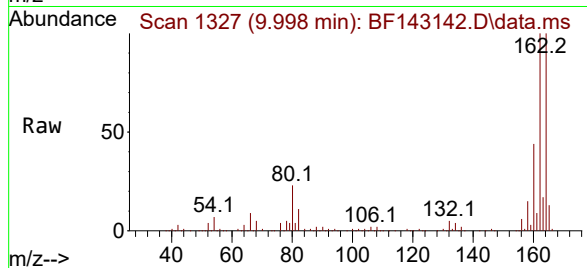
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 282580

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

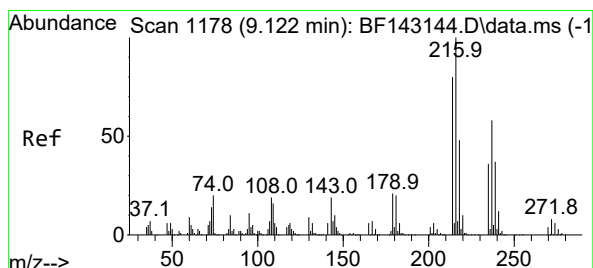
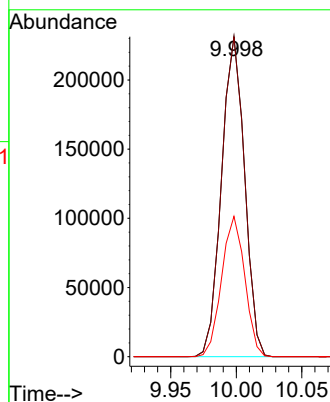
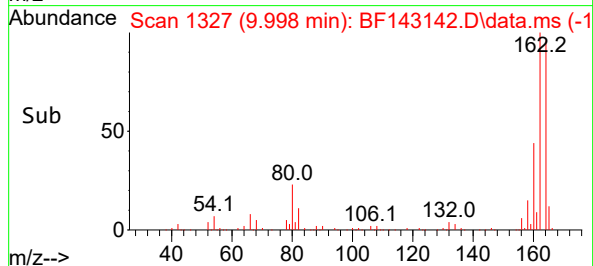
160 43.9 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

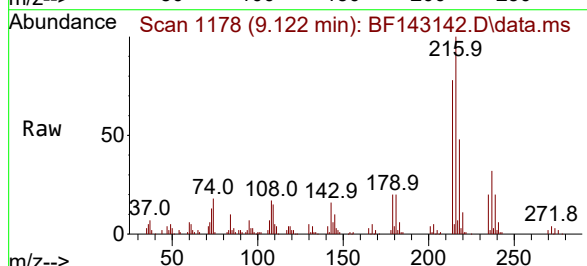
Concen: 10.357 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



Tgt Ion:216 Resp: 84494

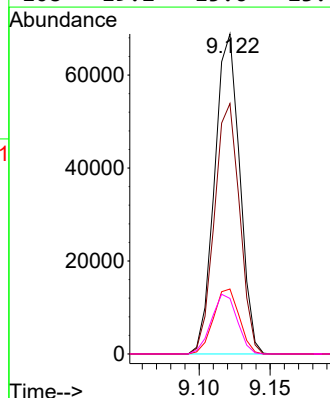
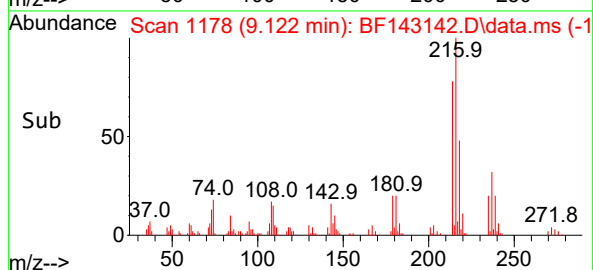
Ion Ratio Lower Upper

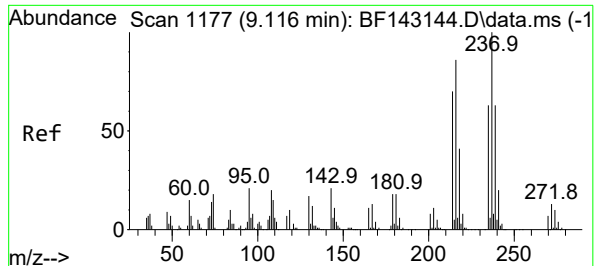
216 100

214 78.6 63.8 95.8

179 20.8 16.4 24.6

108 19.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 8.963 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:237 Resp: 4757

Ion Ratio Lower Upper

237 100

235 62.0 43.0 83.0

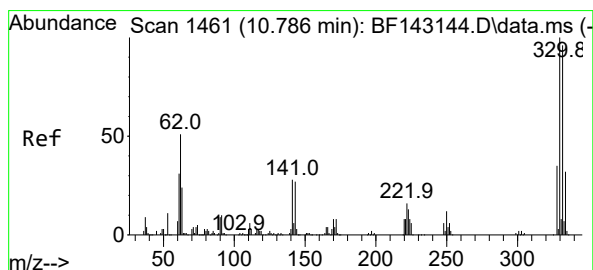
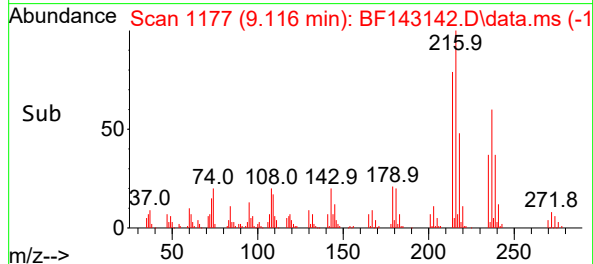
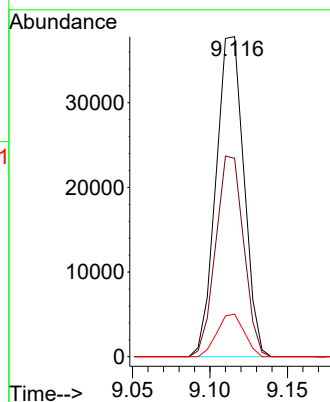
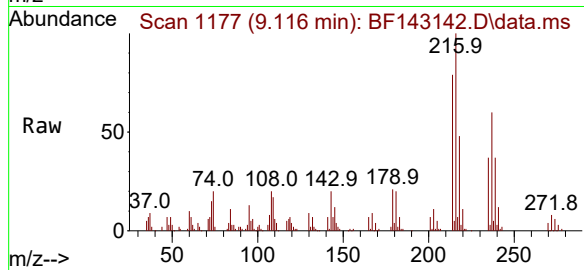
272 13.3 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 19.512 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

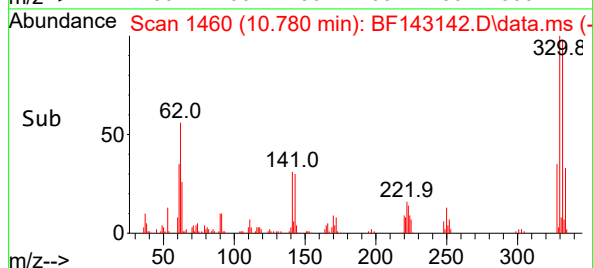
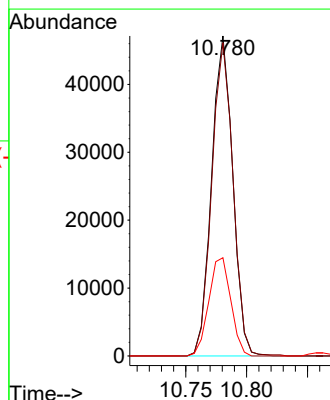
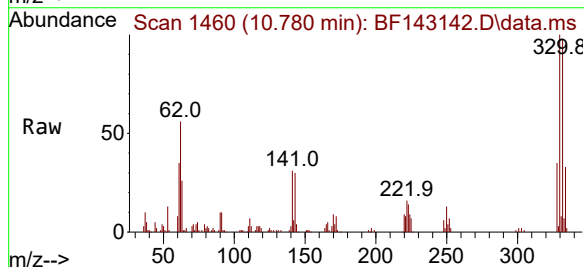
Tgt Ion:330 Resp: 56961

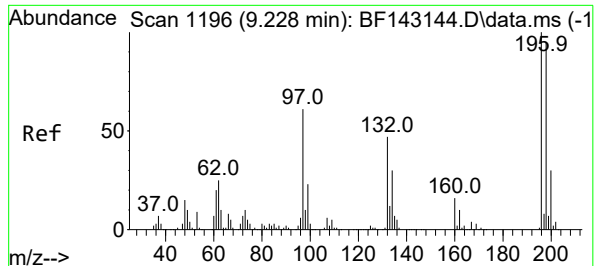
Ion Ratio Lower Upper

330 100

332 98.3 76.7 115.1

141 32.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 10.165 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143142.D

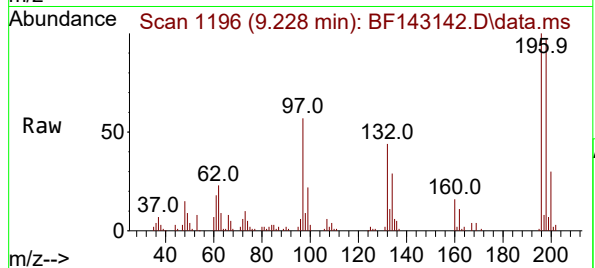
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 57390

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.2

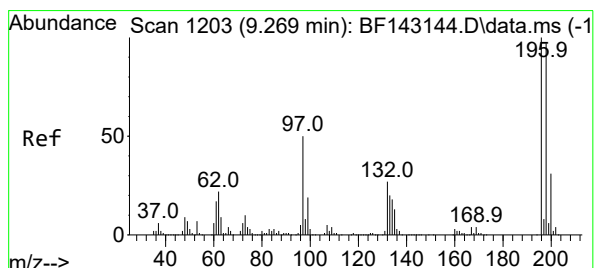
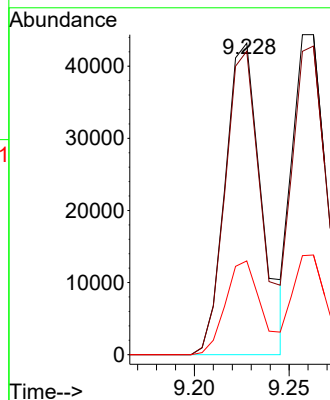
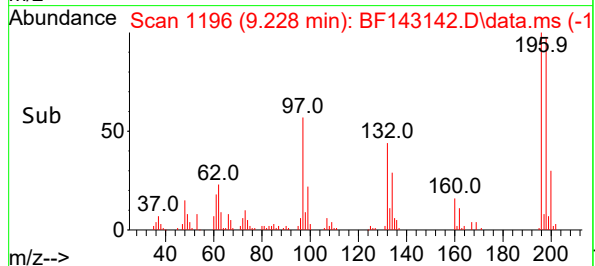
200 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

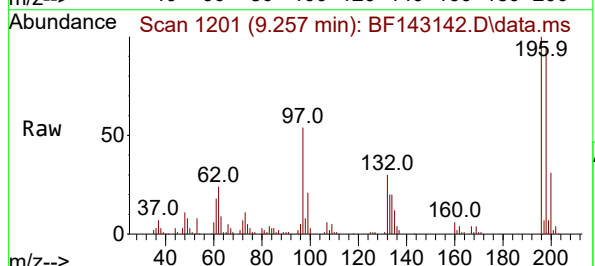
Concen: 9.688 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



Tgt Ion:196 Resp: 54716

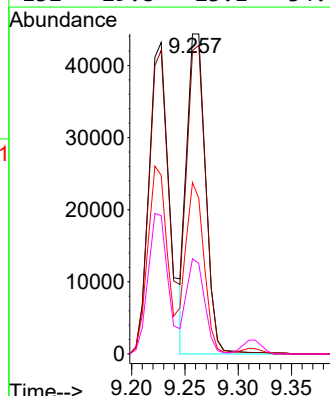
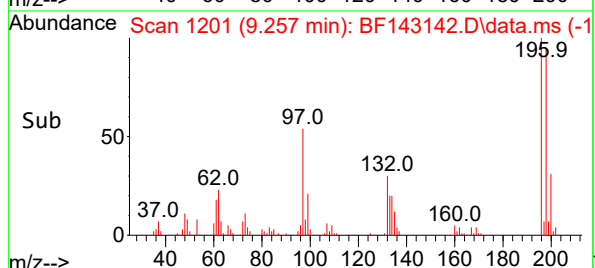
Ion Ratio Lower Upper

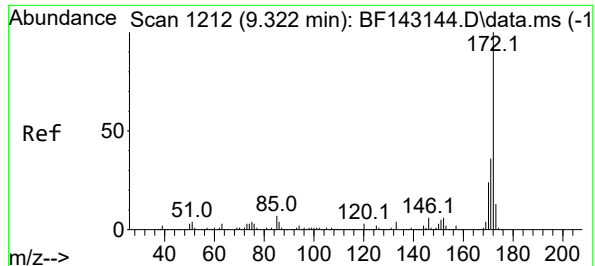
196 100

198 94.8 77.3 115.9

97 53.5 40.3 60.5

132 29.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 22.489 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 464669

Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

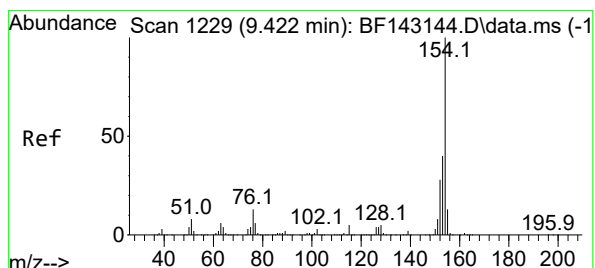
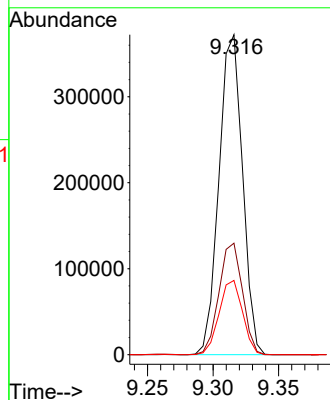
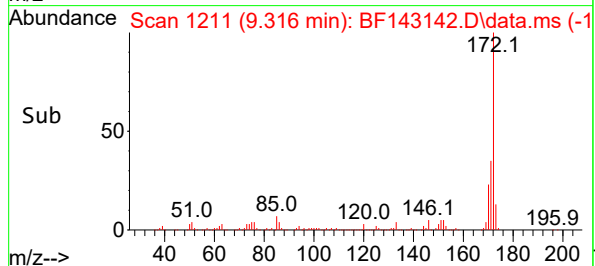
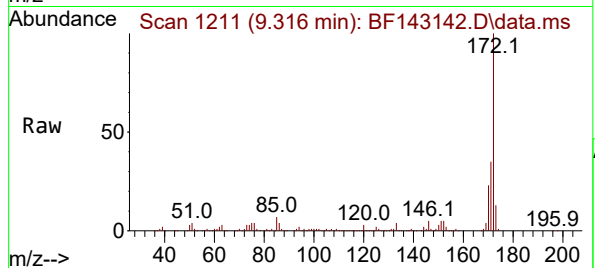
170 23.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 10.680 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

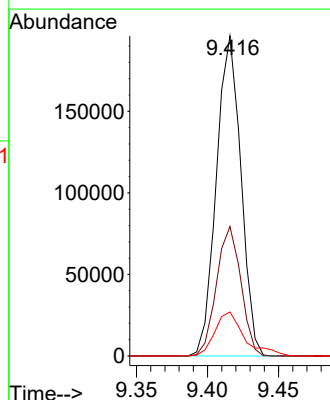
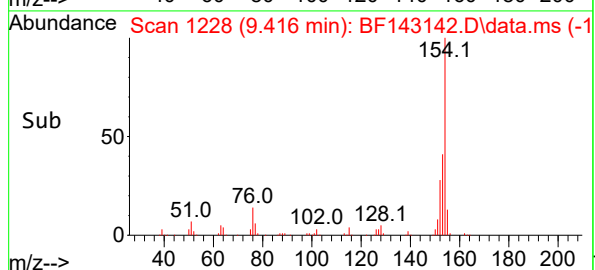
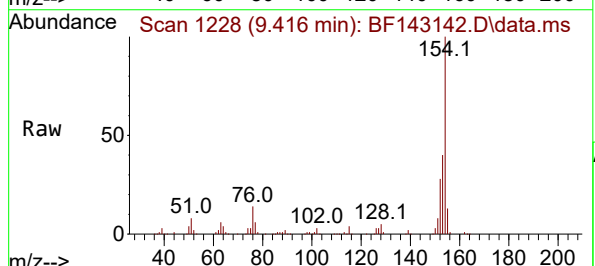
Tgt Ion:154 Resp: 235467

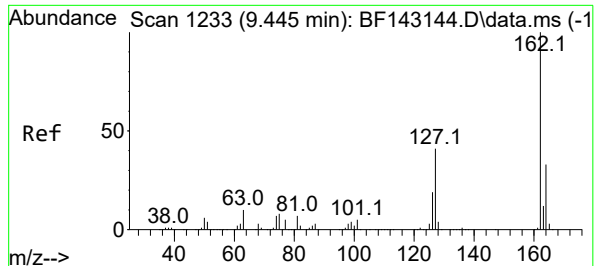
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 10.595 ng

RT: 9.439 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF143142.D

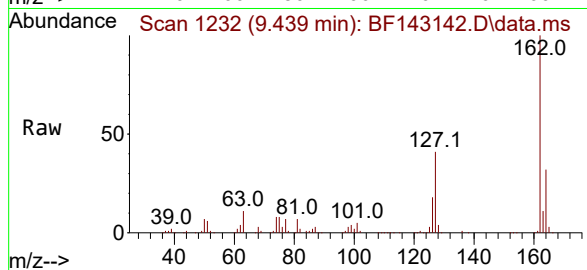
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 17283

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

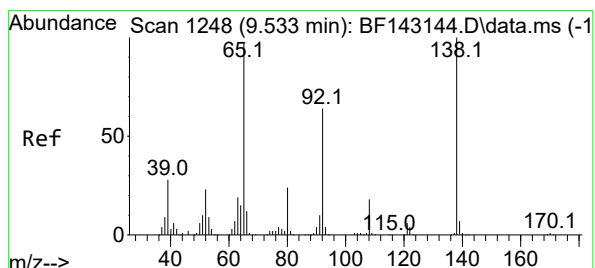
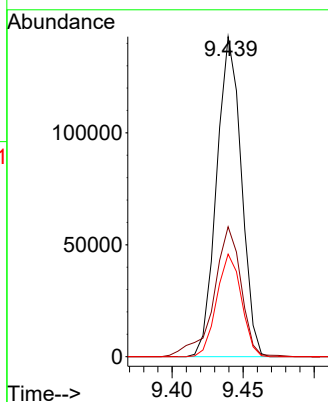
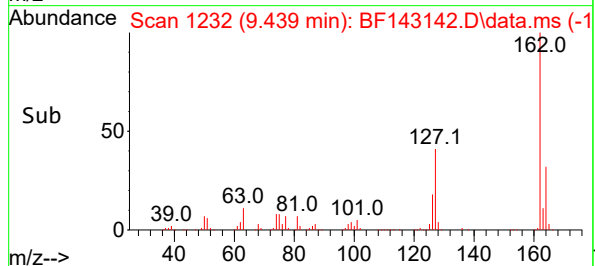
164 32.0 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

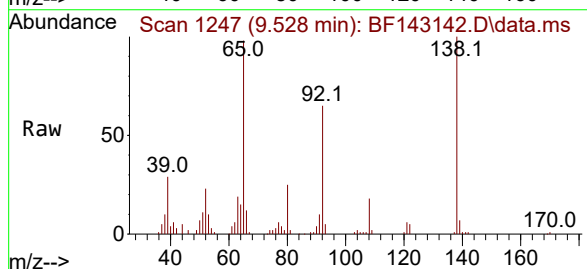
Concen: 9.198 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



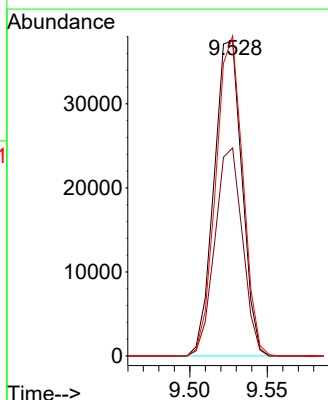
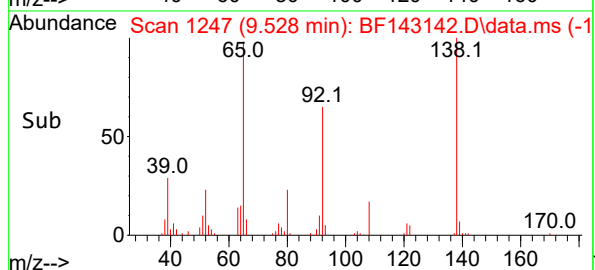
Tgt Ion: 65 Resp: 47055

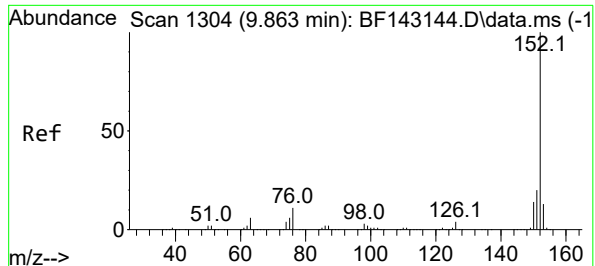
Ion Ratio Lower Upper

65 100

92 66.0 52.4 78.6

138 101.6 82.3 123.5





#49

Acenaphthylene

Concen: 10.607 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143142.D

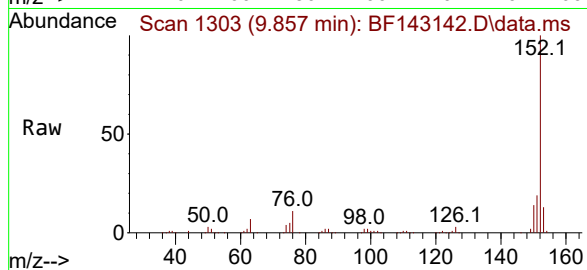
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:152 Resp: 289989

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.2

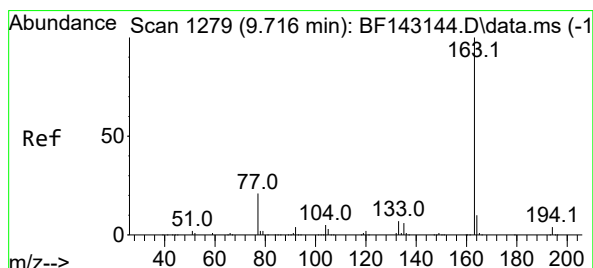
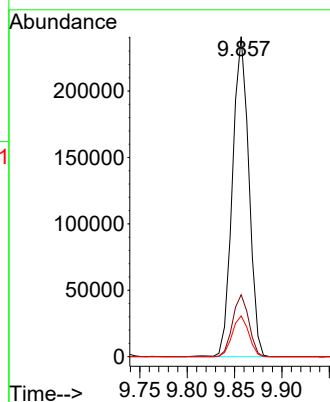
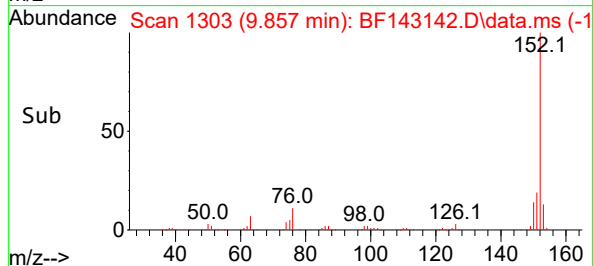
153 12.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

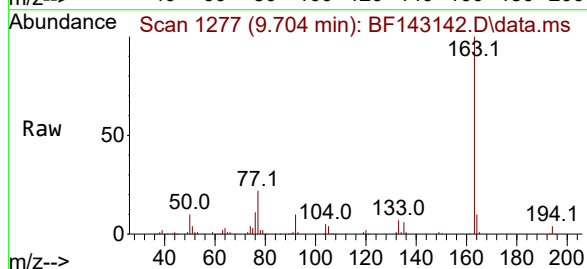
Concen: 10.283 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04



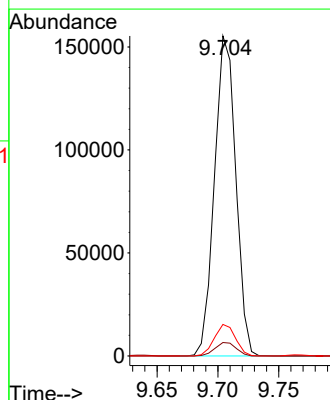
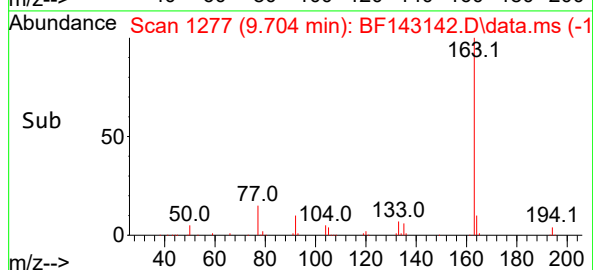
Tgt Ion:163 Resp: 189399

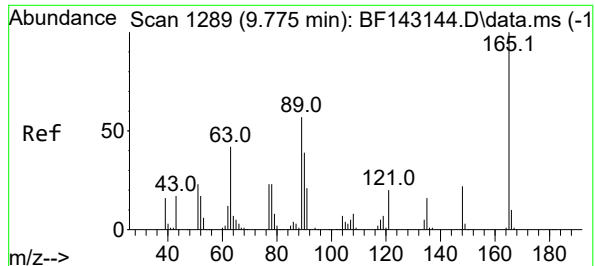
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

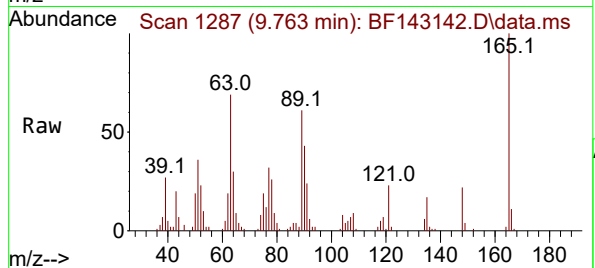
164 9.9 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

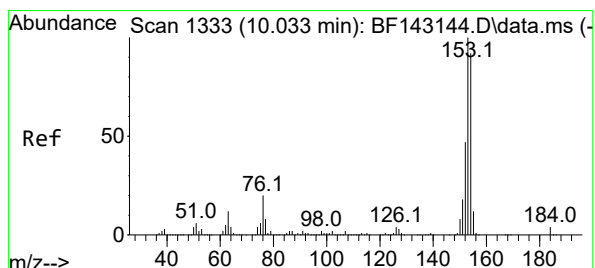
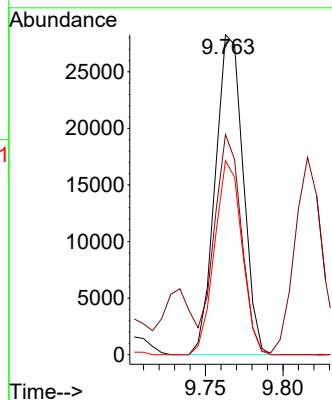
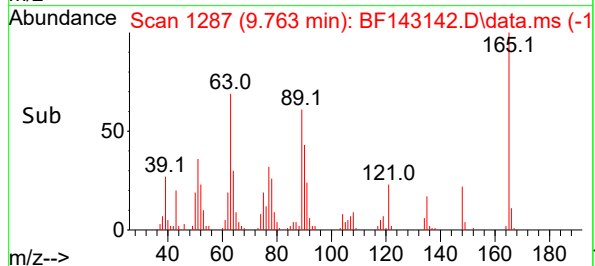
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 35364
Ion Ratio Lower Upper
165 100
63 68.8 49.4 74.2
89 60.6 46.2 69.2

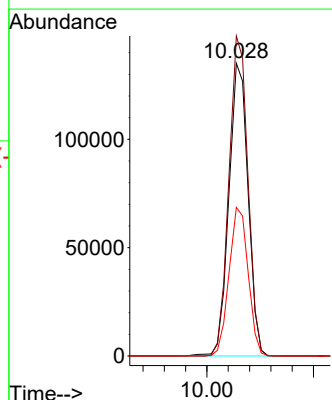
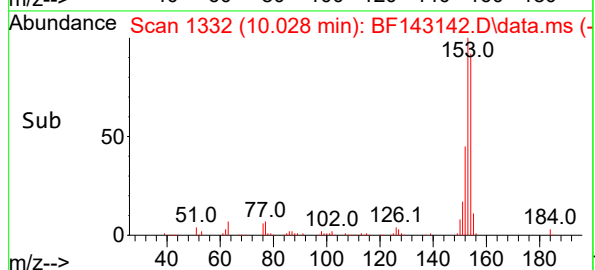
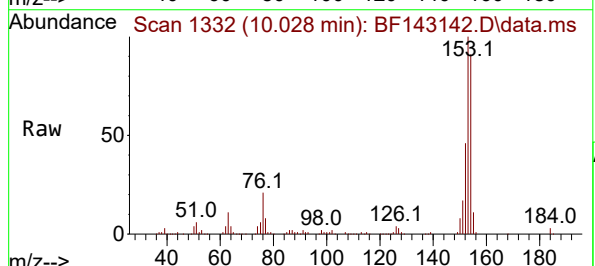
Manual Integrations
APPROVED

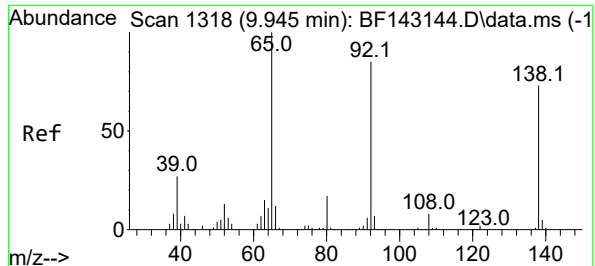
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 168698
Ion Ratio Lower Upper
154 100
153 109.3 86.6 129.8
152 50.8 40.4 60.6





#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

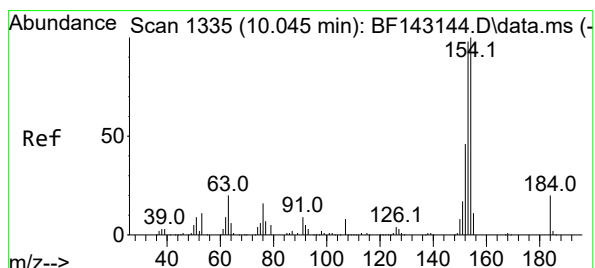
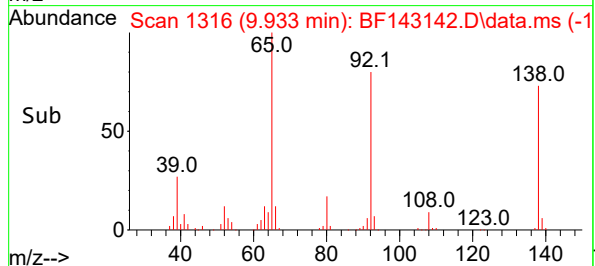
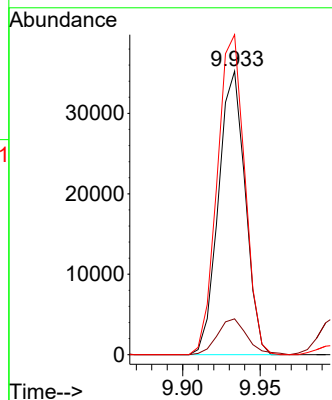
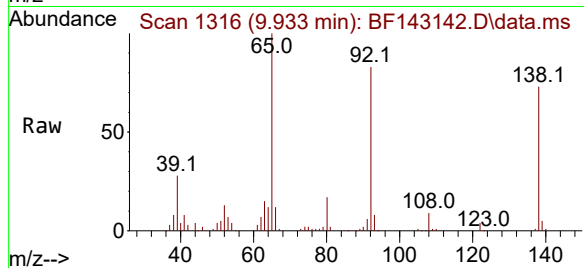
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.0	13.6
92	112.9	93.0	139.4

Manual Integrations

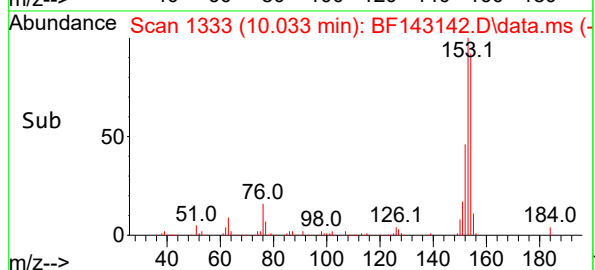
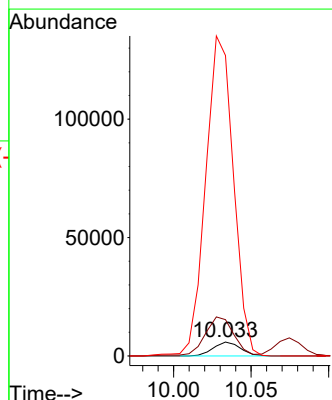
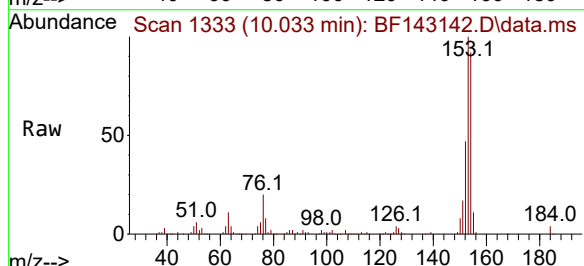
APPROVED

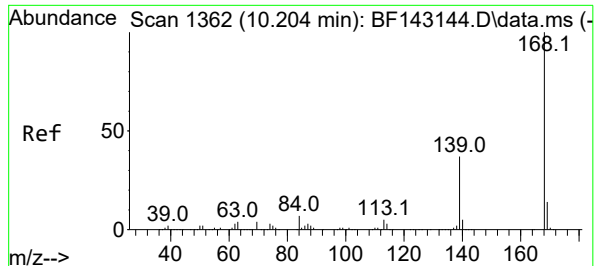
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

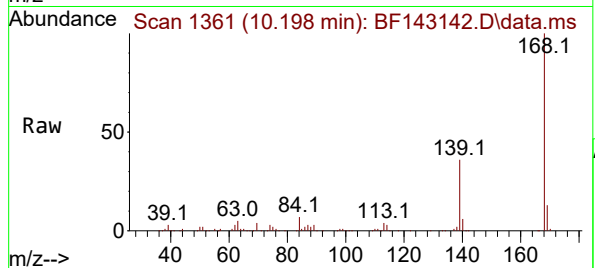
Tgt Ion	Ratio	Lower	Upper
184	100		
63	261.5	81.8	122.6#
154	2164.9	412.2	618.4#





#55
Dibenzenofuran
Concen: 10.641 ng
RT: 10.198 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

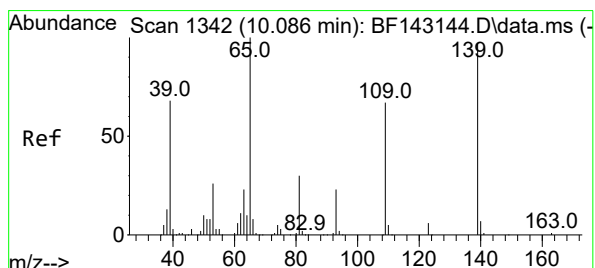
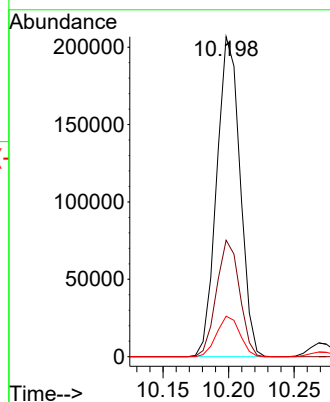
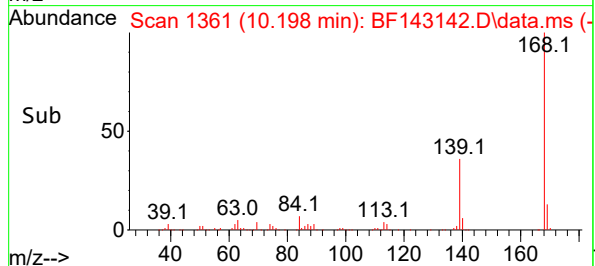
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



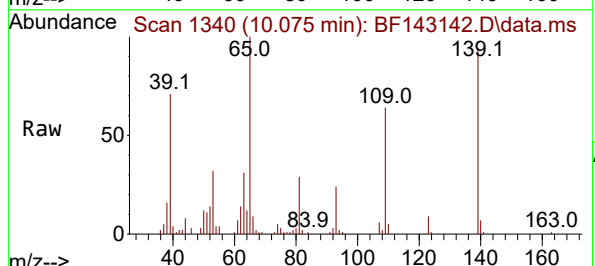
Tgt Ion:168 Resp: 255272
Ion Ratio Lower Upper
168 100
139 36.4 29.5 44.3
169 12.7 10.9 16.3

Manual Integrations
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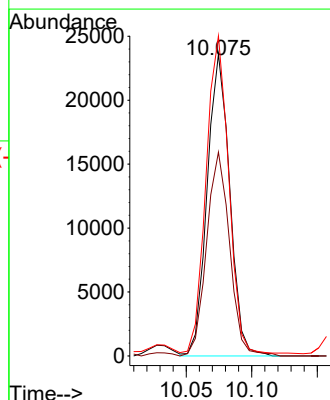
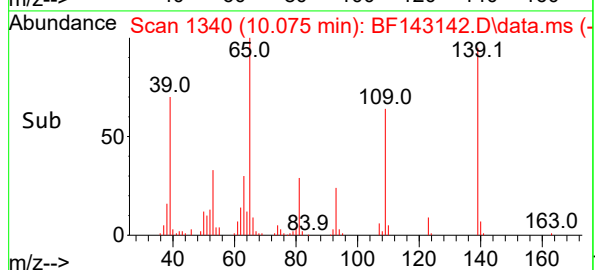
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

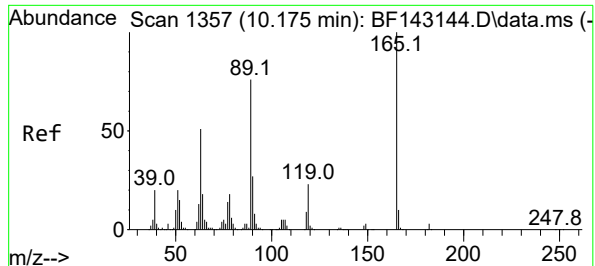


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



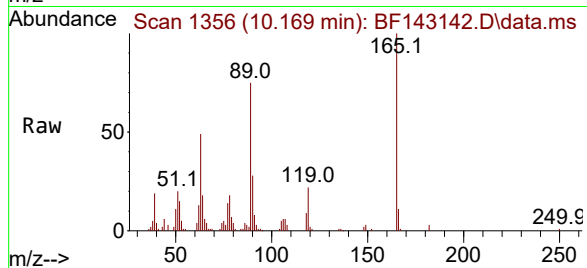
Tgt Ion:139 Resp: 28233
Ion Ratio Lower Upper
139 100
109 67.5 48.5 88.5
65 106.0 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

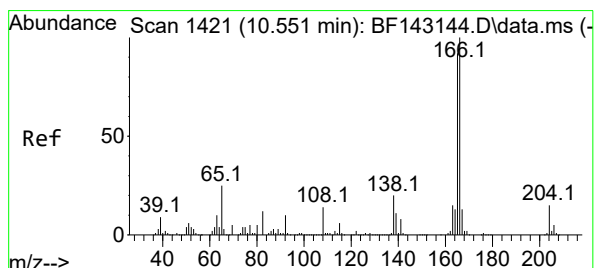
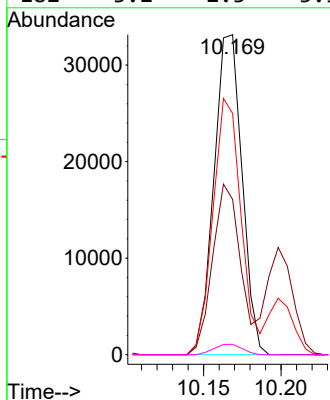
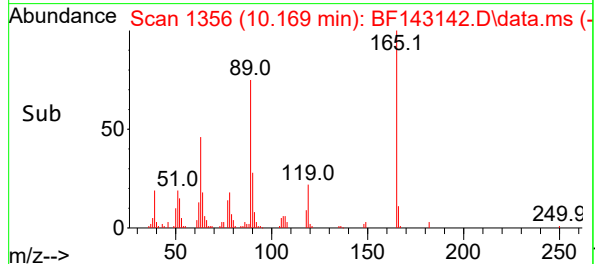
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 4181
Ion Ratio Lower Upper
165 100
63 48.5 41.0 61.4
89 75.4 61.1 91.7
182 3.2 2.3 3.5

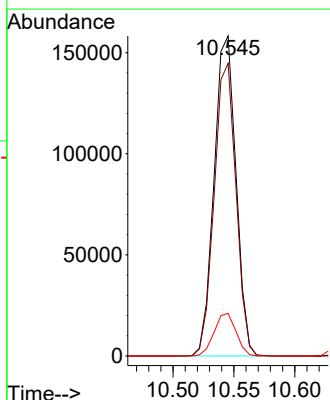
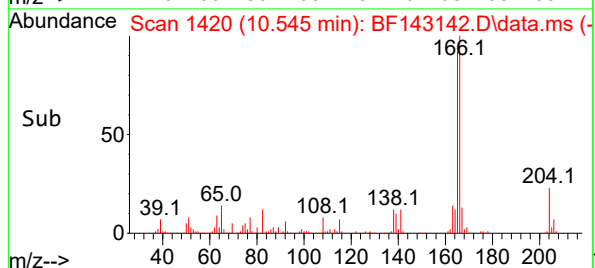
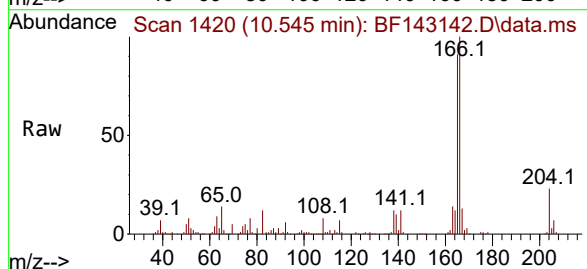
Manual Integrations
APPROVED

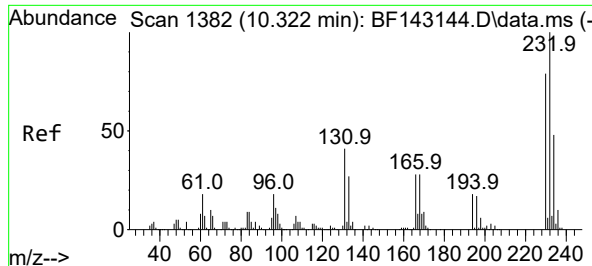
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

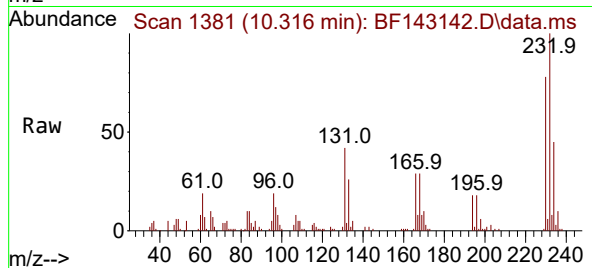
Tgt Ion:166 Resp: 198041
Ion Ratio Lower Upper
166 100
165 91.4 73.7 110.5
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

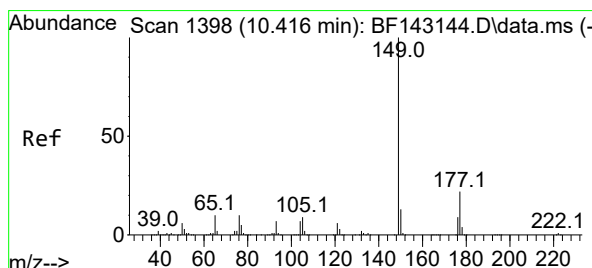
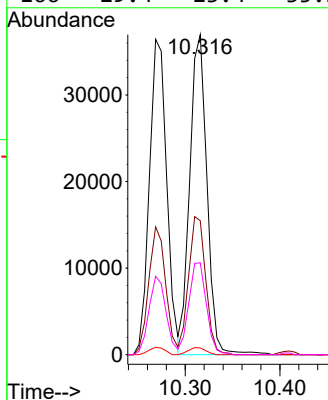
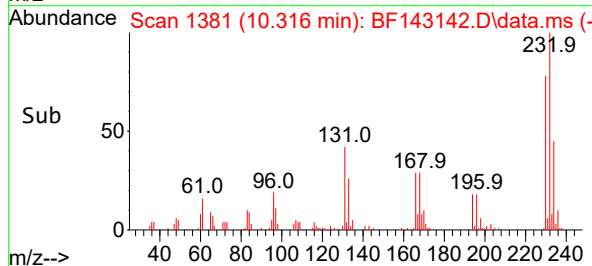
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



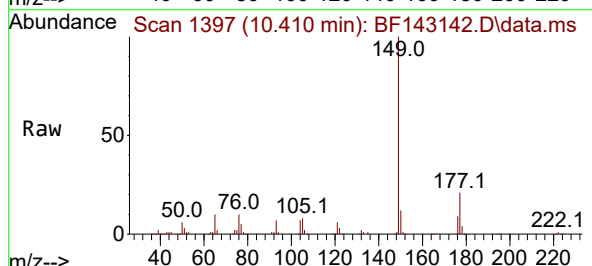
Tgt Ion:232 Resp: 46720
Ion Ratio Lower Upper
232 100
131 43.0 35.3 52.9
130 2.2 1.7 2.5
166 29.4 23.4 35.2

Manual Integrations
APPROVED

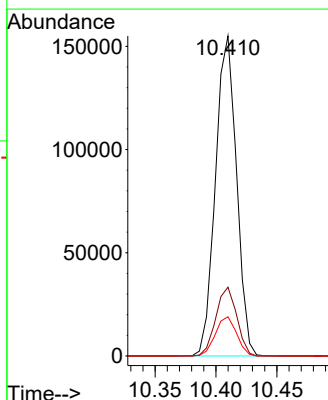
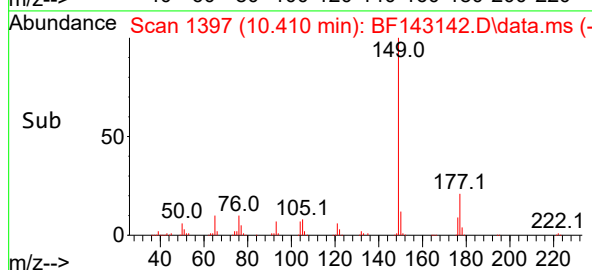
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

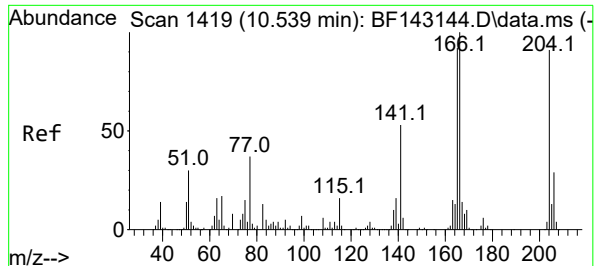


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



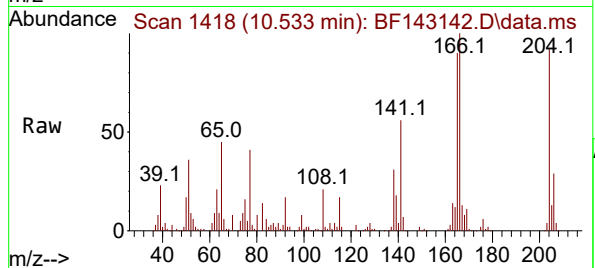
Tgt Ion:149 Resp: 186802
Ion Ratio Lower Upper
149 100
177 21.5 17.5 26.3
150 12.3 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

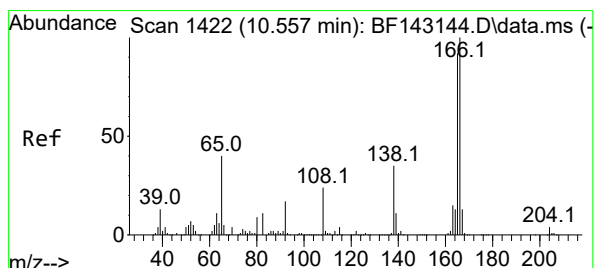
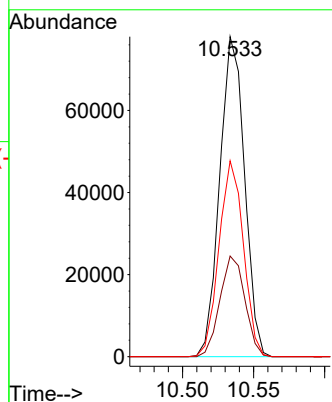
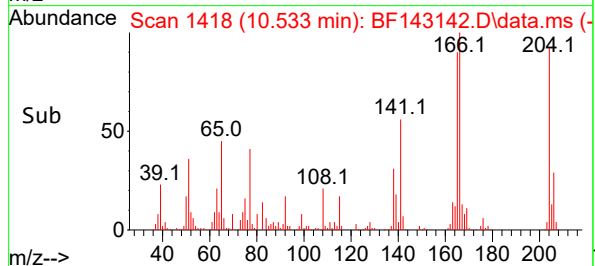
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



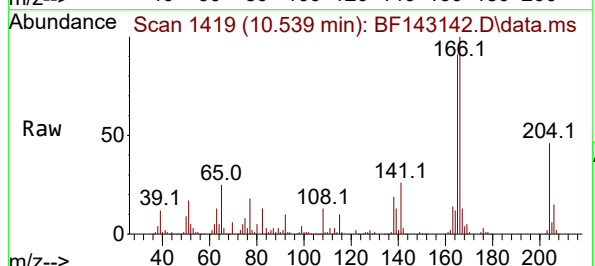
Tgt Ion:204 Resp: 9468
Ion Ratio Lower Upper
204 100
206 31.4 25.8 38.8
141 61.2 47.0 70.4

Manual Integrations
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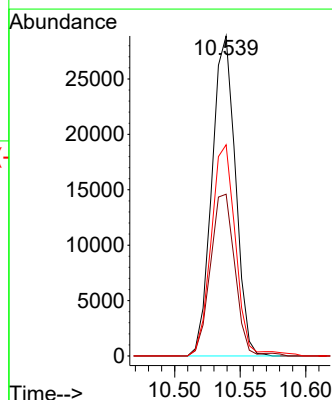
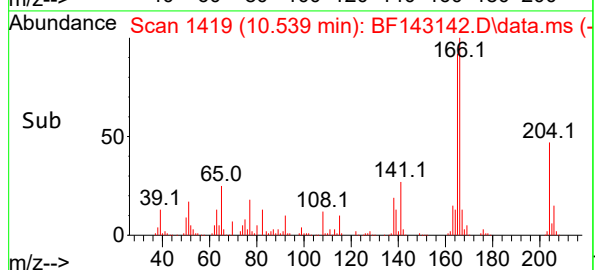
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

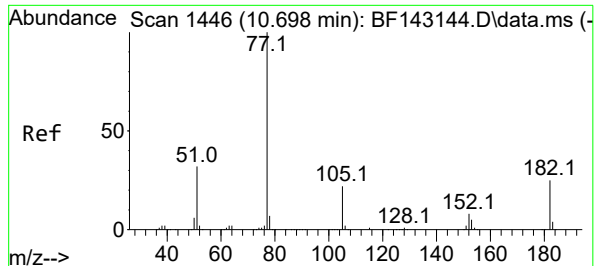


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



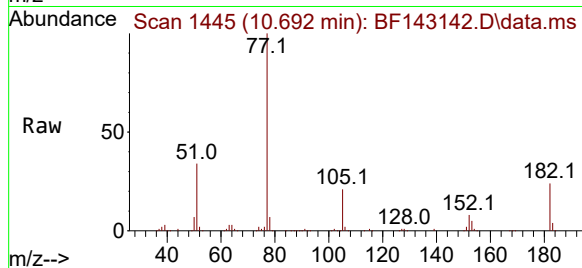
Tgt Ion:138 Resp: 35962
Ion Ratio Lower Upper
138 100
92 50.5 29.3 69.3
108 66.0 48.3 88.3





#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

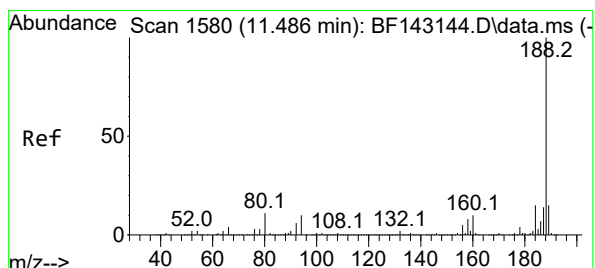
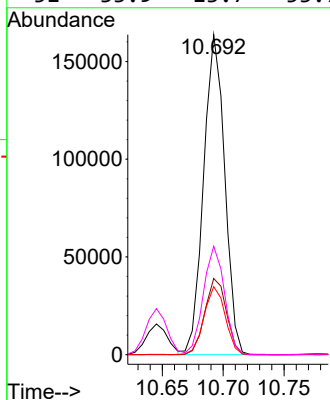
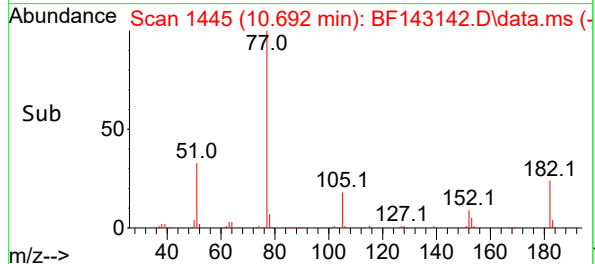
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 197998
Ion Ratio Lower Upper
77 100
182 23.8 4.6 44.6
105 21.2 1.4 41.4
51 33.9 13.7 53.7

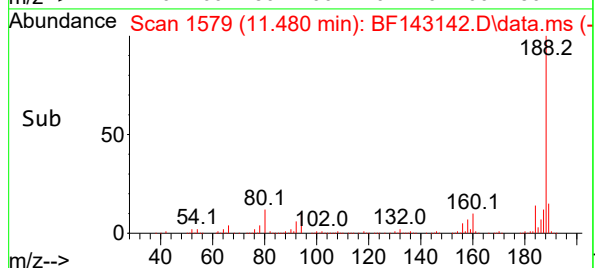
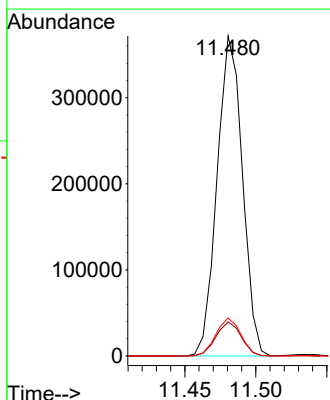
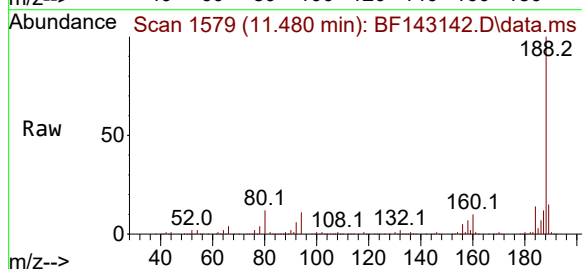
Manual Integrations
APPROVED

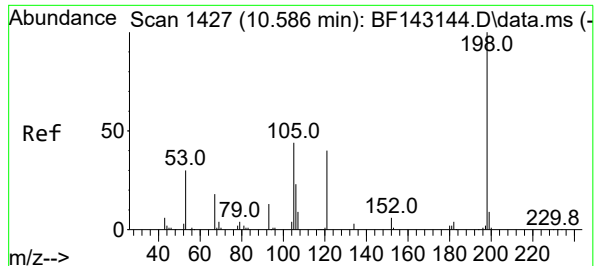
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

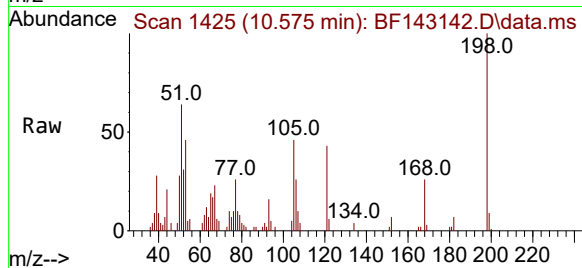
Tgt Ion:188 Resp: 461255
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 11.8 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

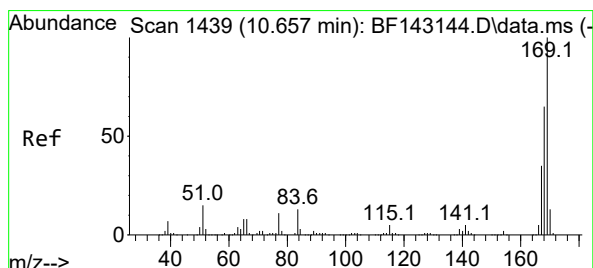
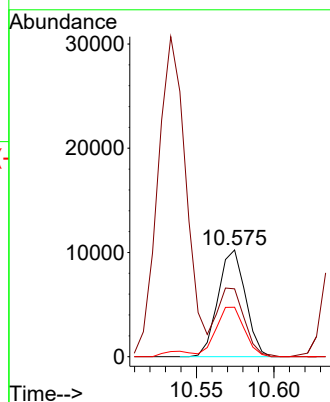
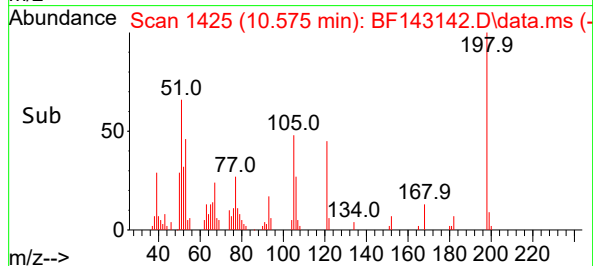
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



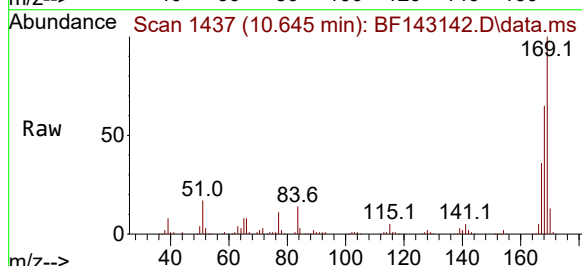
Tgt Ion:198 Resp: 1254
Ion Ratio Lower Upper
198 100
51 63.6 37.2 77.2
105 46.4 24.8 64.8

Manual Integrations
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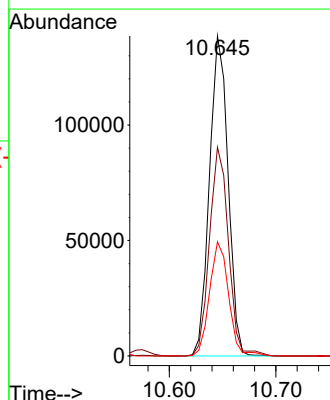
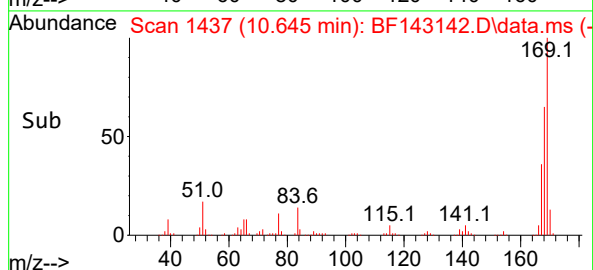
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

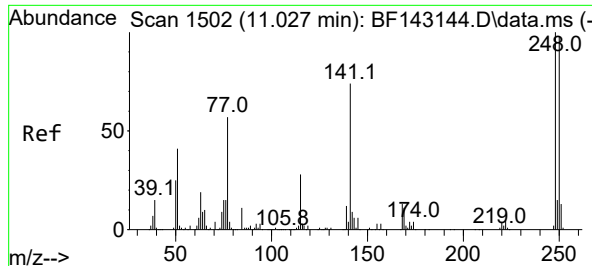


#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



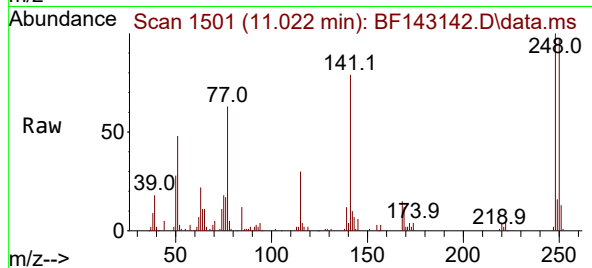
Tgt Ion:169 Resp: 167901
Ion Ratio Lower Upper
169 100
168 65.2 52.1 78.1
167 35.6 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

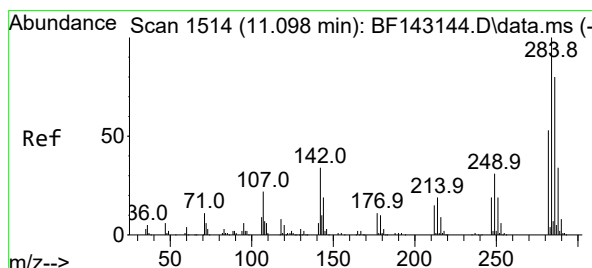
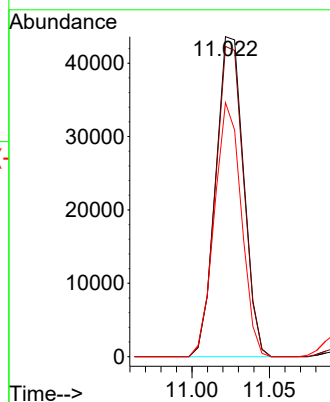
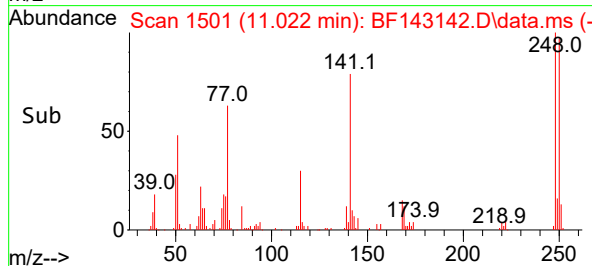
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



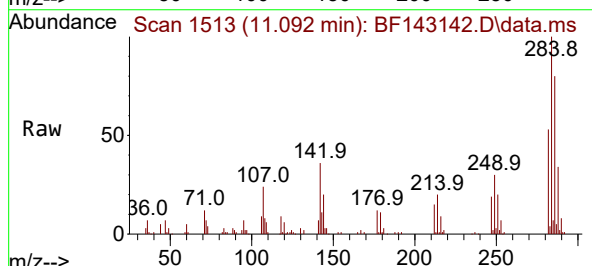
Tgt Ion:248 Resp: 54849
Ion Ratio Lower Upper
248 100
250 97.0 78.3 117.5
141 79.4 59.2 88.8

Manual Integrations
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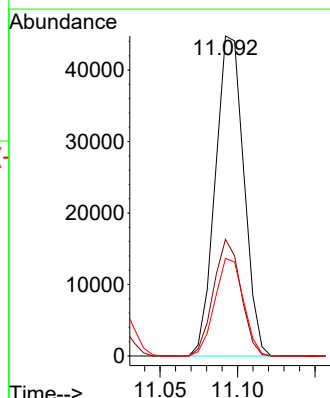
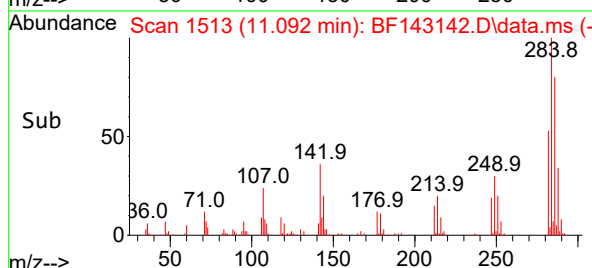
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

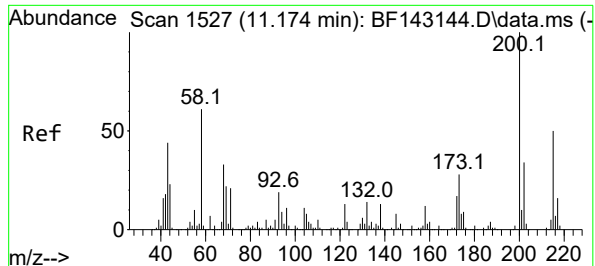


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04



Tgt Ion:284 Resp: 57305
Ion Ratio Lower Upper
284 100
142 36.4 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 9.613 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

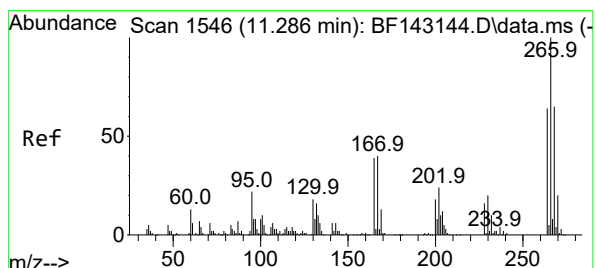
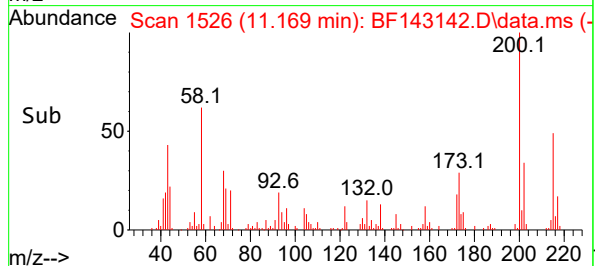
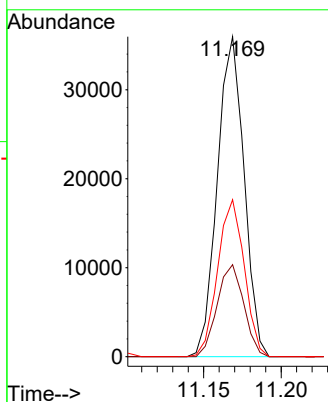
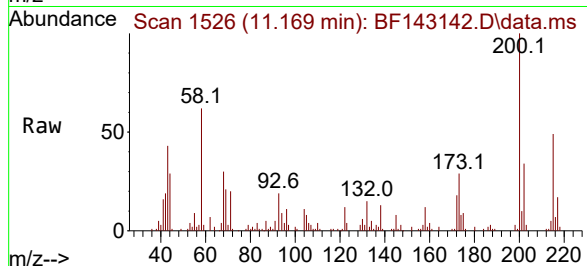
Tgt Ion	200	Resp	4304
Ion Ratio	Lower	Upper	
200	100		
173	28.7	7.9	47.9
215	49.1	30.1	70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 8.148 ng

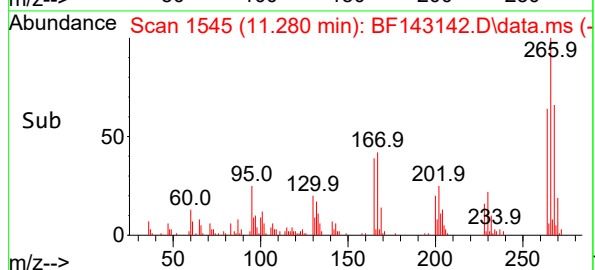
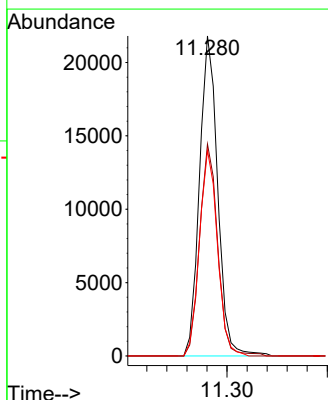
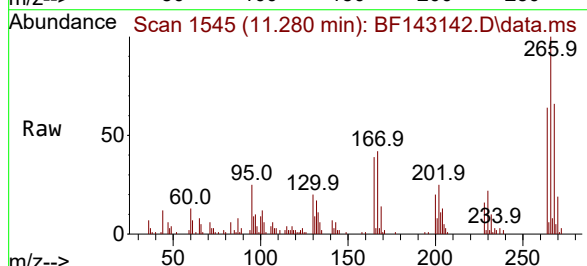
RT: 11.280 min Scan# 1545

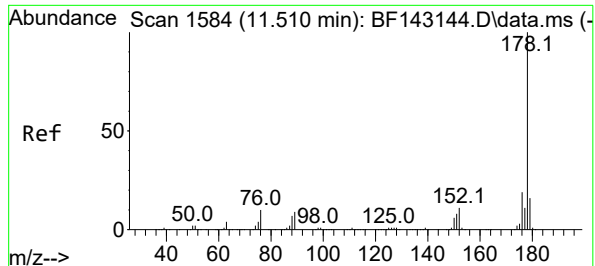
Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Tgt Ion	266	Resp	27529
Ion Ratio	Lower	Upper	
266	100		
268	66.2	51.9	77.9
264	64.3	51.0	76.6





#71

Phenanthrene

Concen: 10.361 ng

RT: 11.504 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:178 Resp: 253750

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

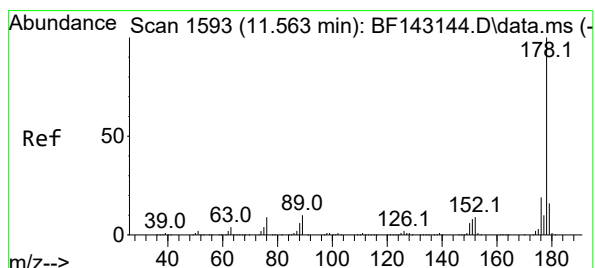
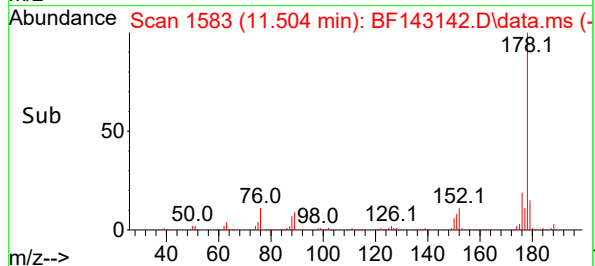
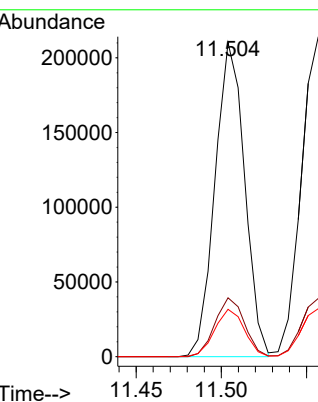
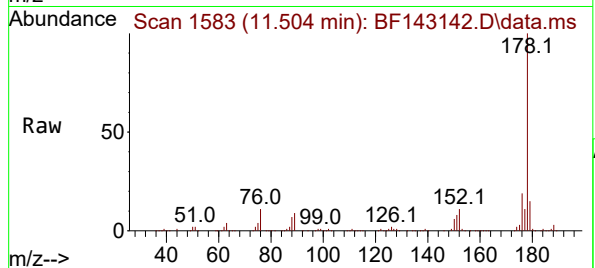
179 15.1 12.5 18.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 10.487 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

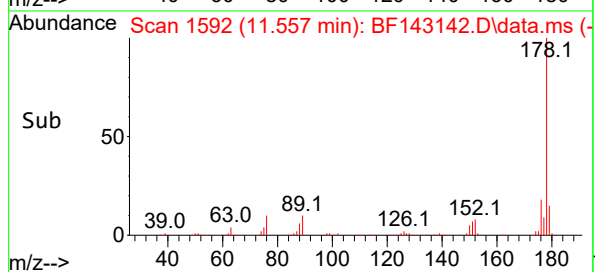
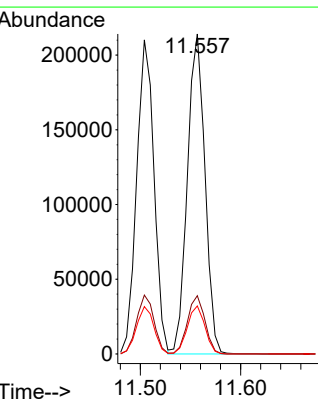
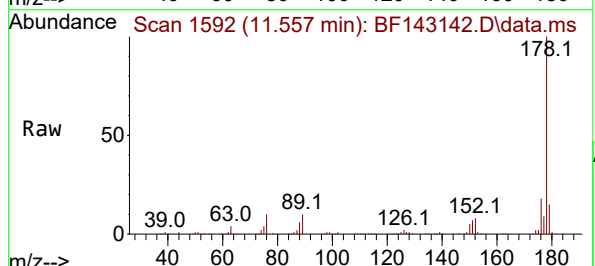
Tgt Ion:178 Resp: 261960

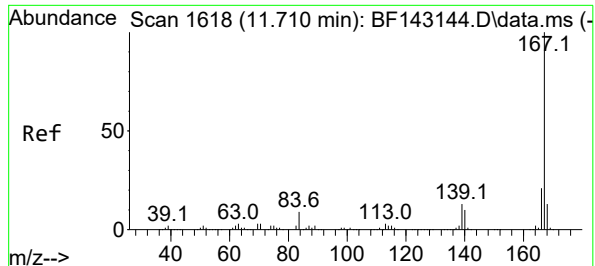
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

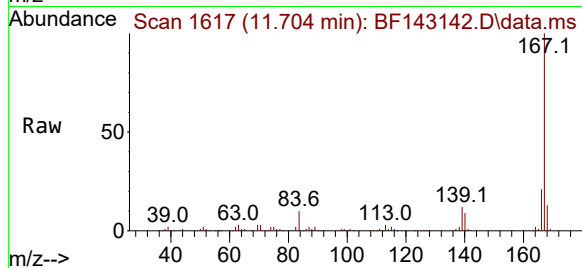
179 15.0 12.5 18.7





#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

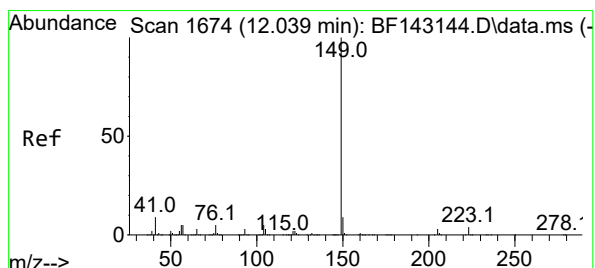
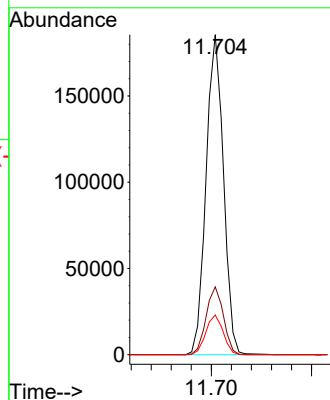
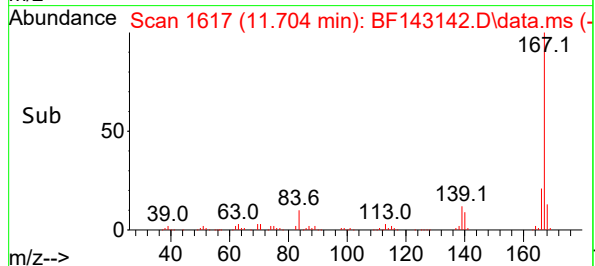
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 223370
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.4 10.0 15.0

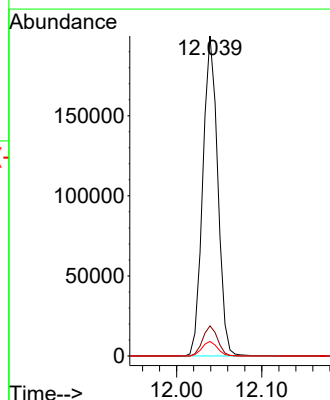
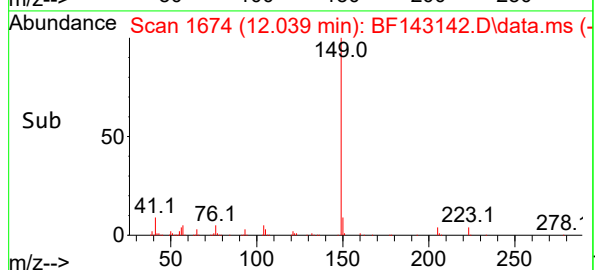
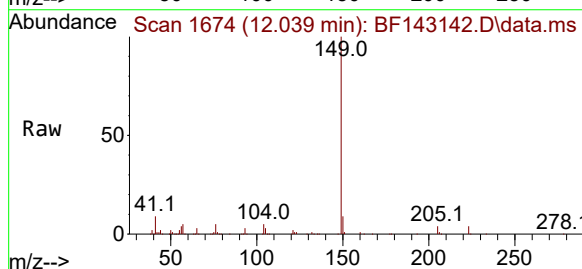
Manual Integrations
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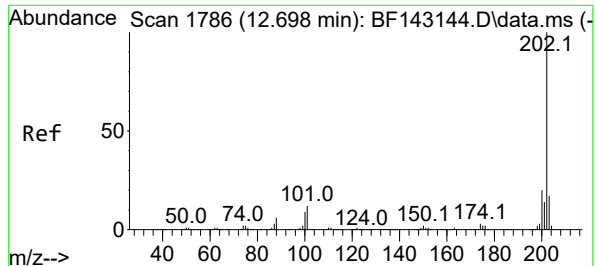
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

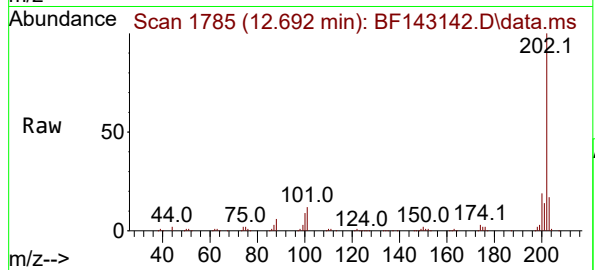
Tgt Ion:149 Resp: 243142
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.6 3.8 5.8





#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

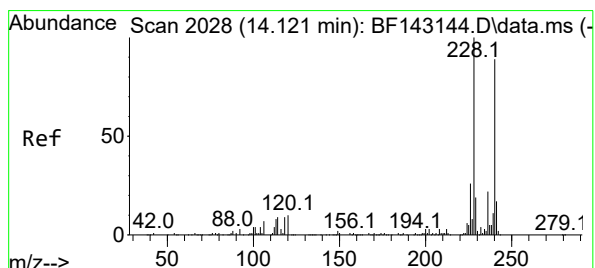
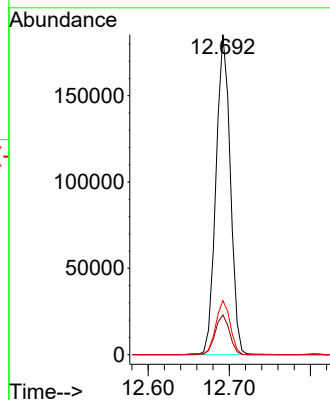
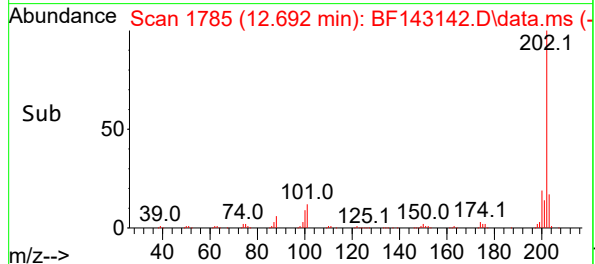
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 22770
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 16.9 0.0 37.4

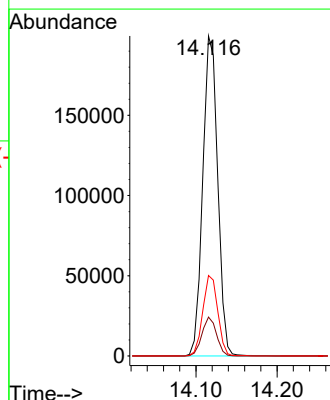
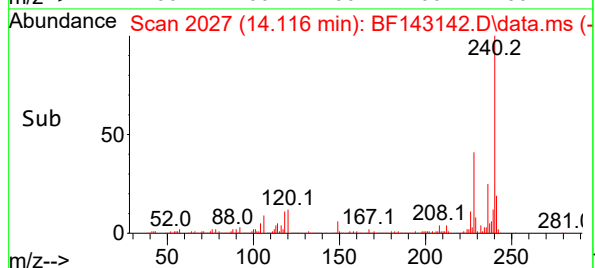
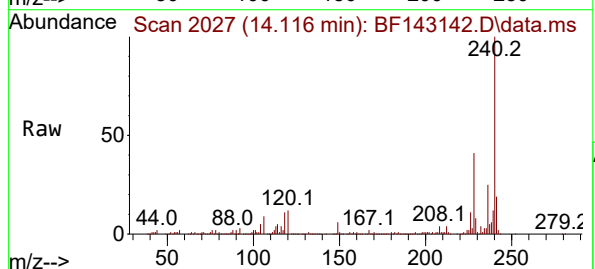
Manual Integrations
APPROVED

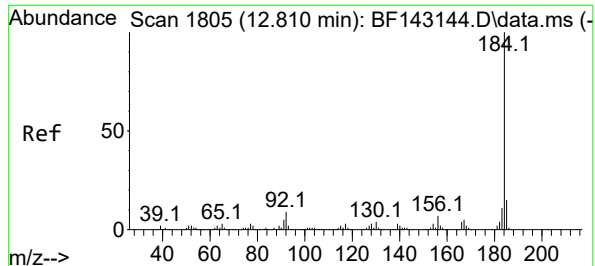
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

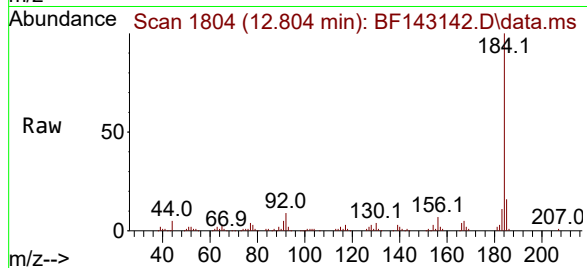
Tgt Ion:240 Resp: 254650
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 25.1 20.2 30.4





#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

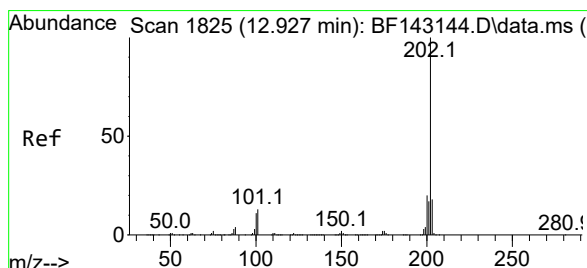
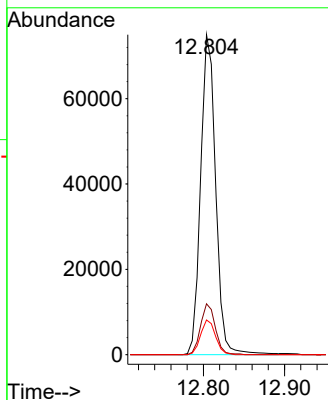
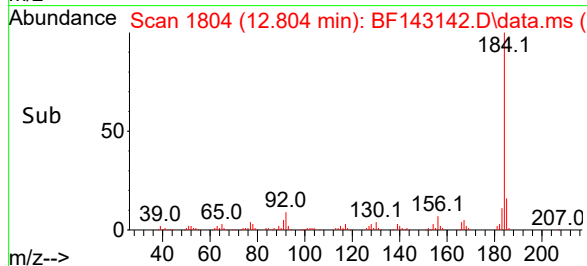
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 96484
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.4
183 10.9 9.0 13.4

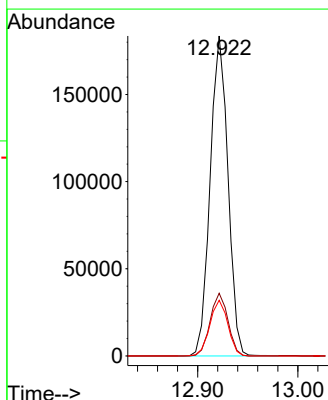
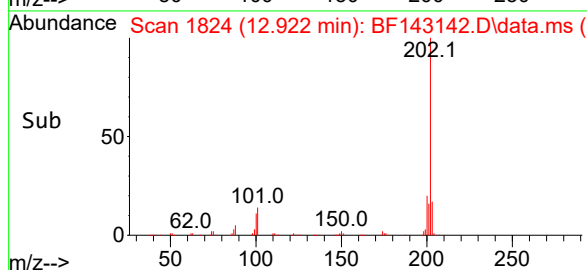
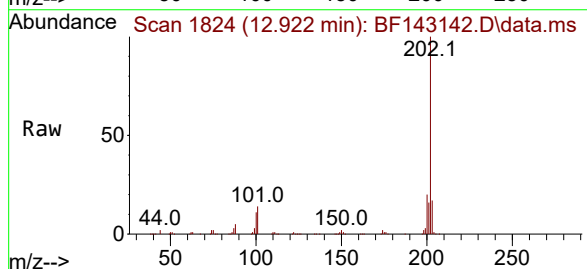
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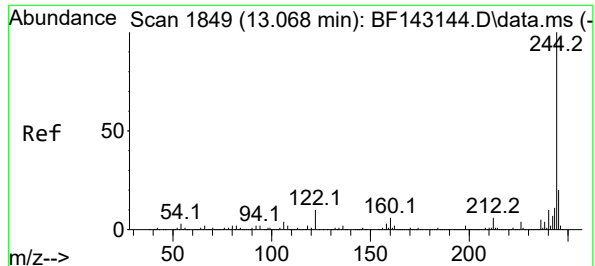
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 227008
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 21.669 ng

RT: 13.063 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:244 Resp: 370808

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

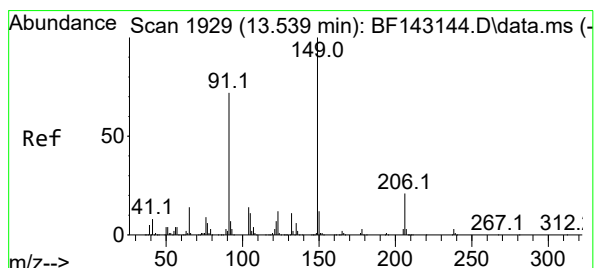
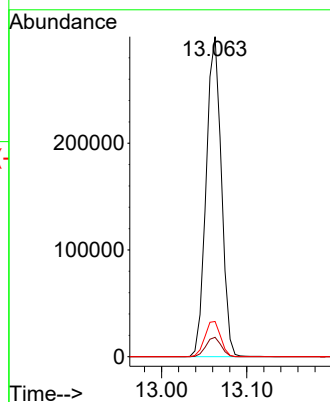
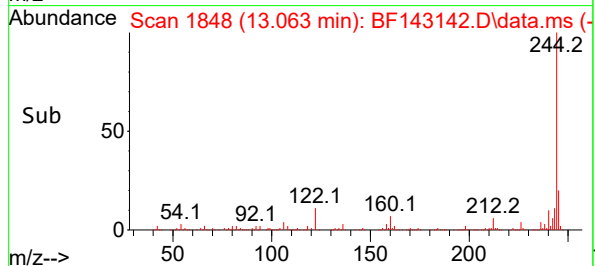
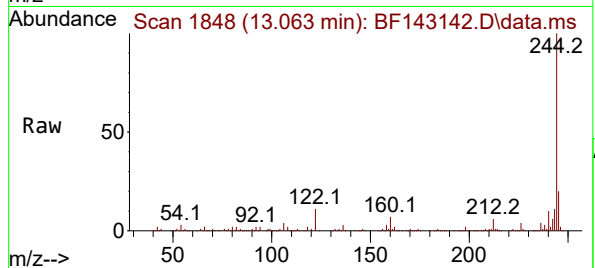
122 11.0 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 9.024 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

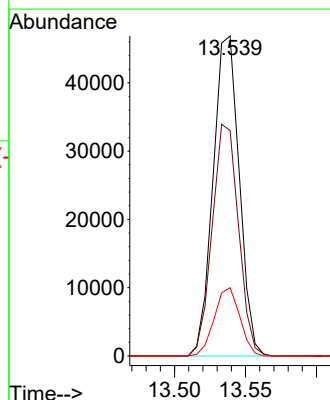
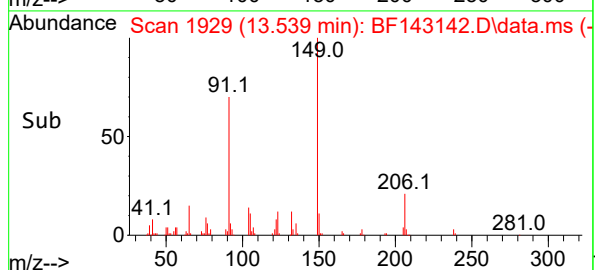
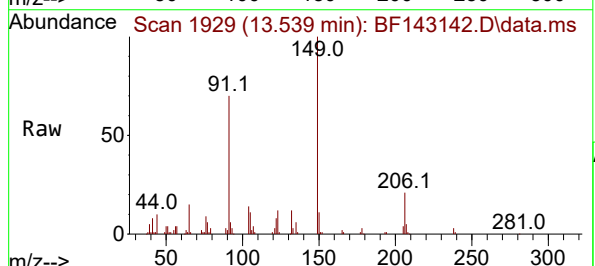
Tgt Ion:149 Resp: 60055

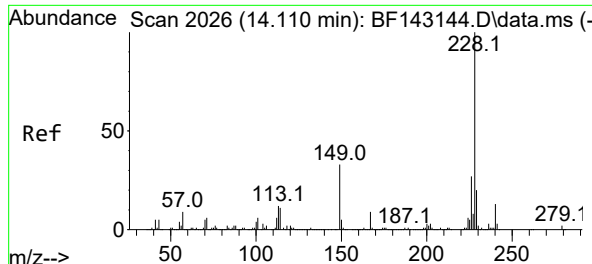
Ion Ratio Lower Upper

149 100

91 70.4 57.9 86.9

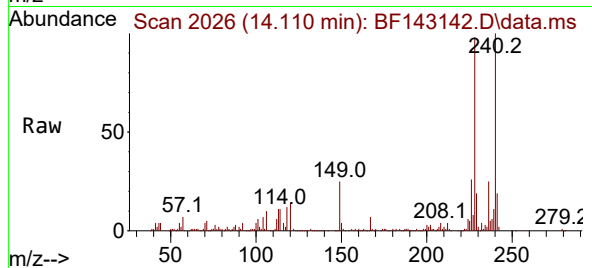
206 21.3 17.0 25.4





#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

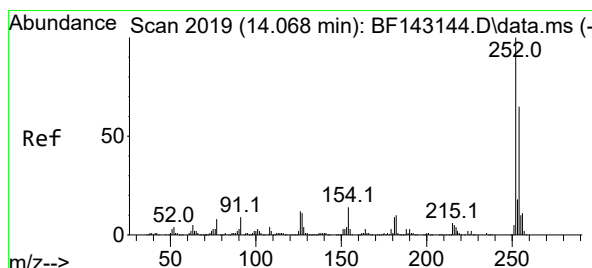
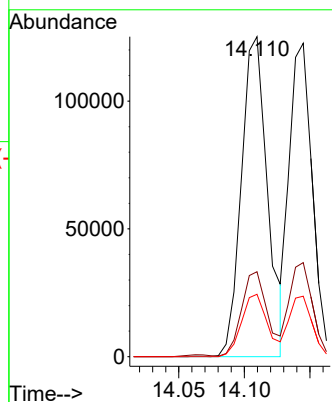
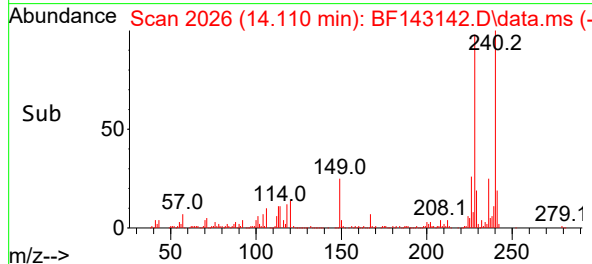
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:228 Resp: 174020
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.5 15.8 23.6

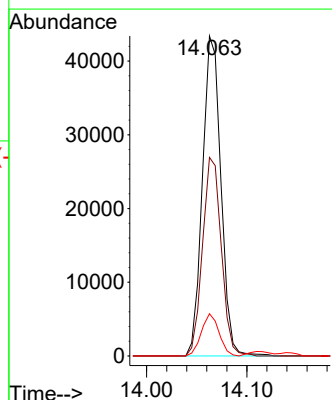
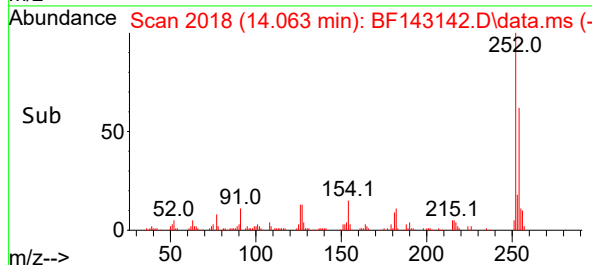
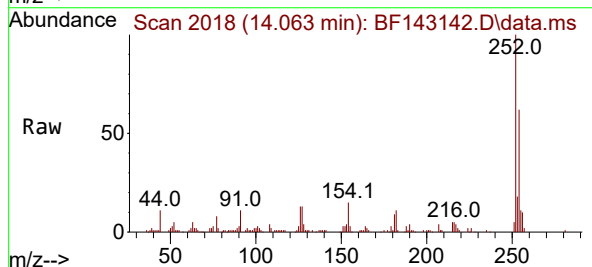
Manual Integrations
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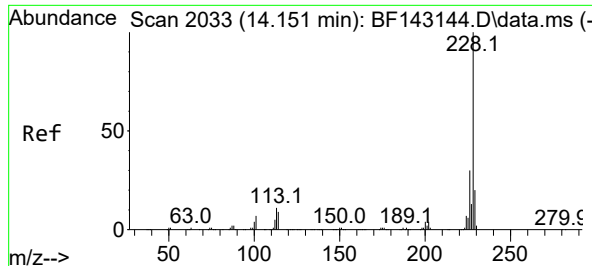
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 55694
Ion Ratio Lower Upper
252 100
254 62.0 51.7 77.5
126 13.2 9.4 14.0





#83

Chrysene

Concen: 9.750 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 14944

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

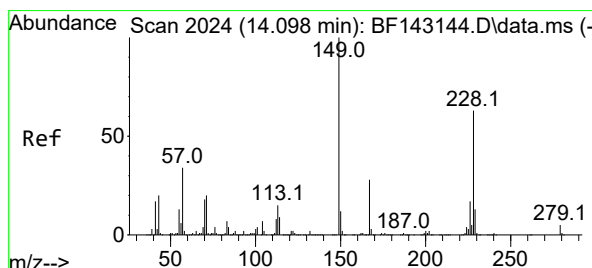
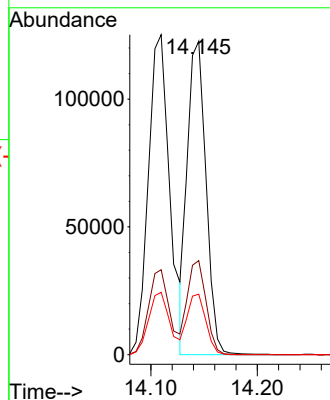
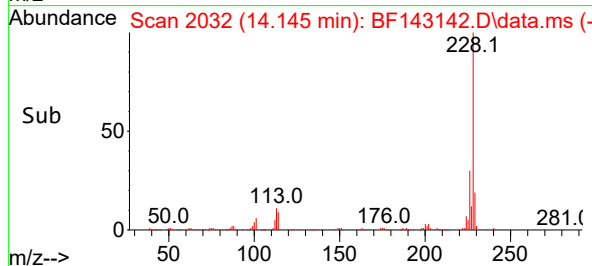
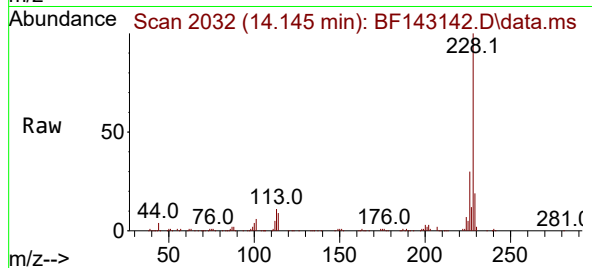
229 19.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.549 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

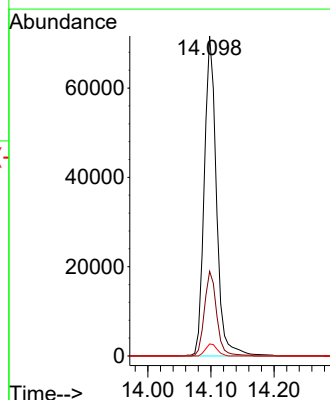
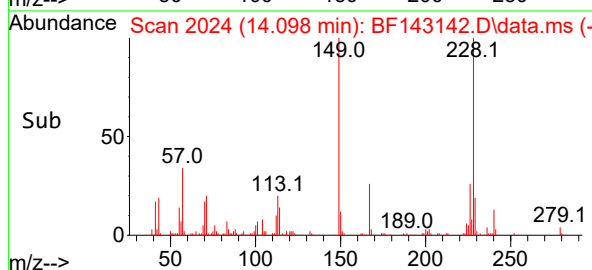
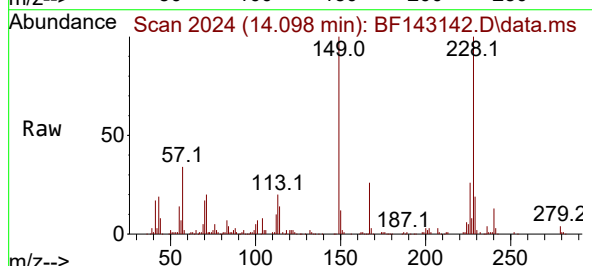
Tgt Ion:149 Resp: 96191

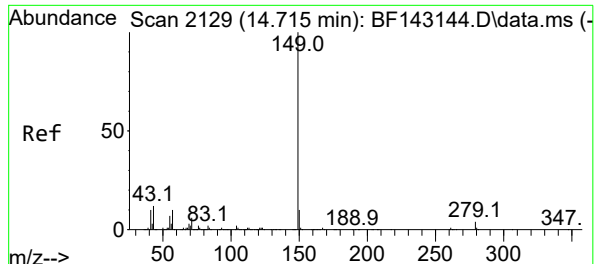
Ion Ratio Lower Upper

149 100

167 26.5 22.3 33.5

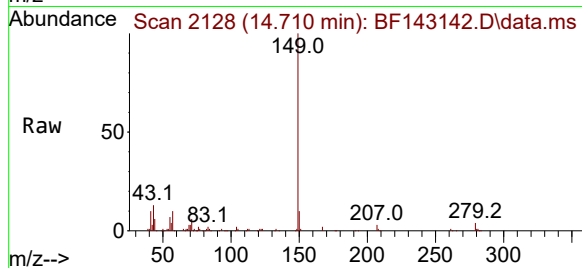
279 3.7 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

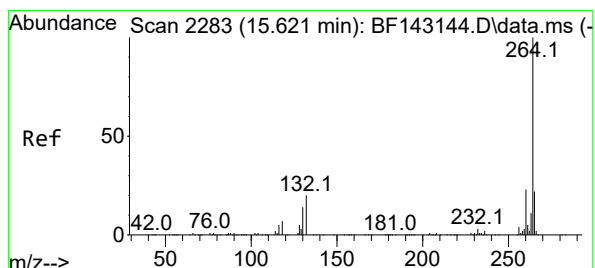
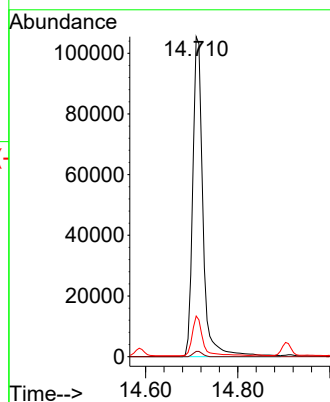
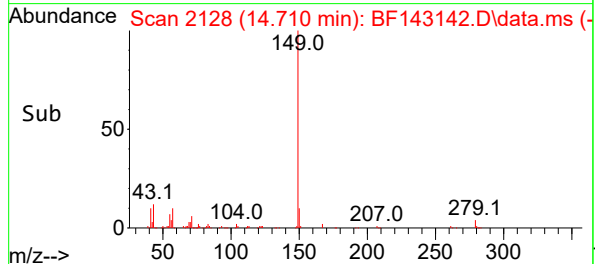
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 162150
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.7 9.7 14.5

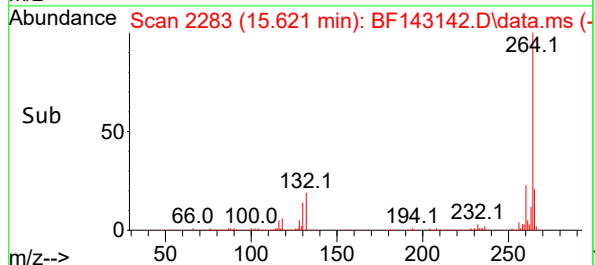
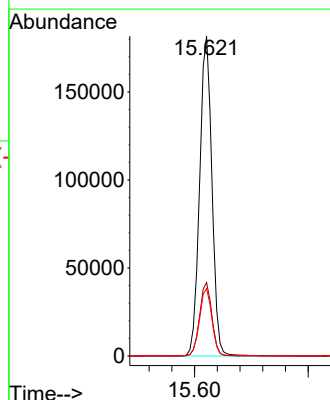
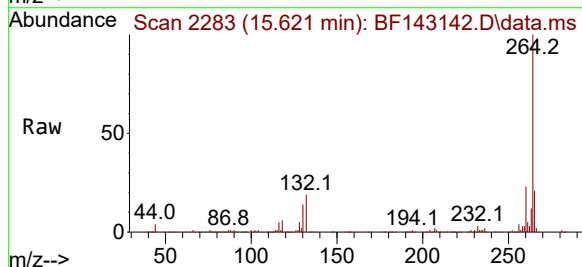
Manual Integrations
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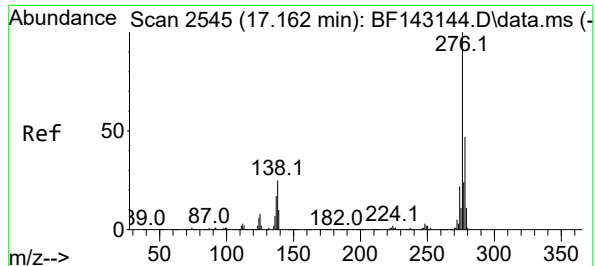
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

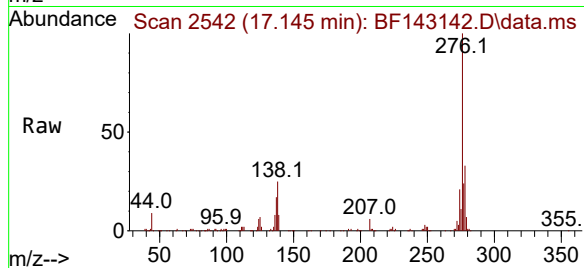
Tgt Ion:264 Resp: 273706
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.475 ng
RT: 17.145 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

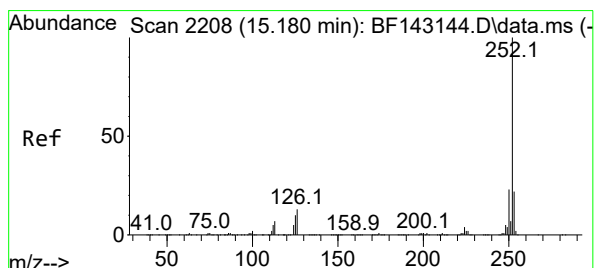
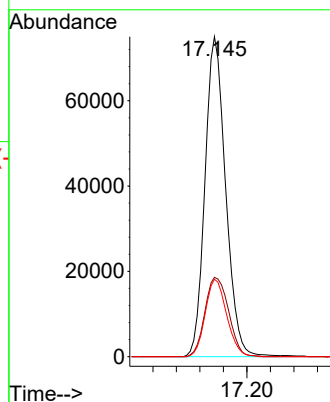
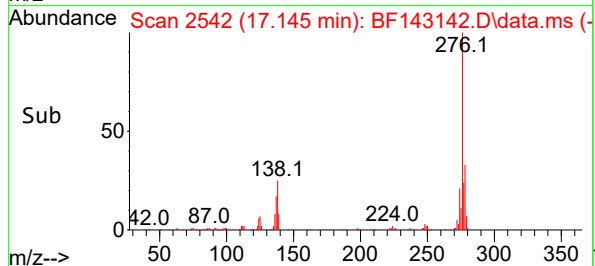
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:276 Resp: 182869
Ion Ratio Lower Upper
276 100
138 28.3 21.8 32.6
277 25.1 20.0 30.0

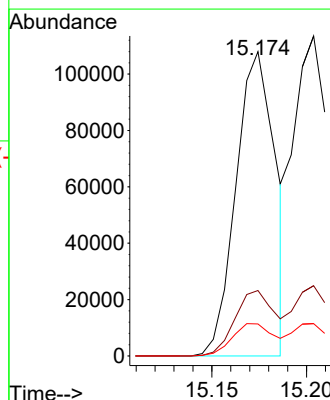
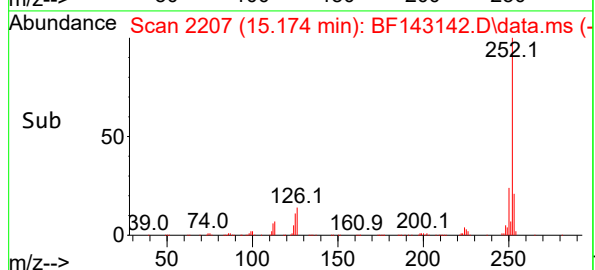
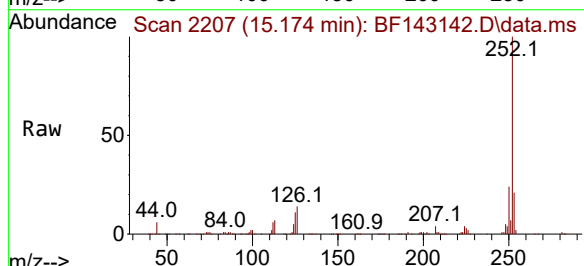
Manual Integrations
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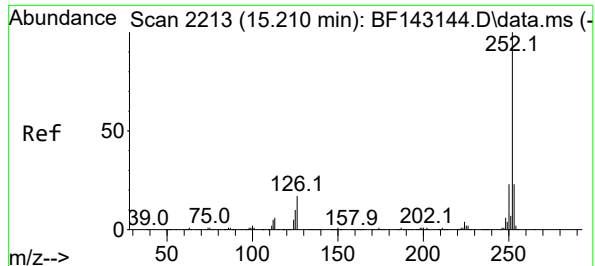
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 155430
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 10.5 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 10.567 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 15766

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

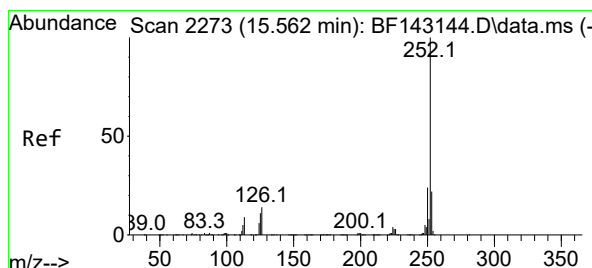
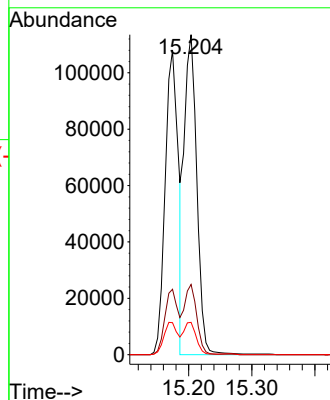
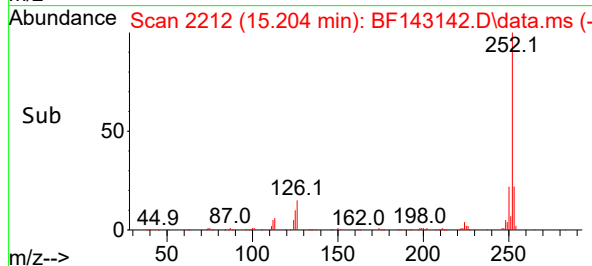
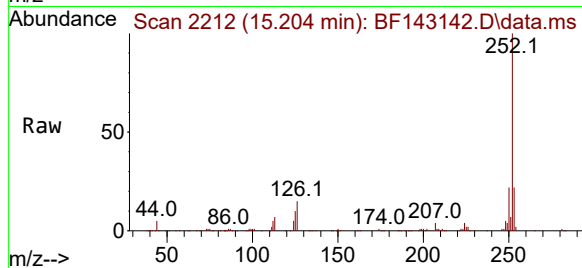
125 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 9.792 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143142.D

Acq: 17 Jul 2025 12:04

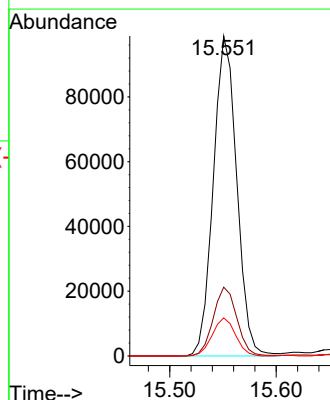
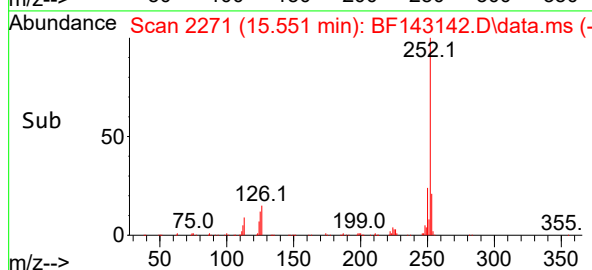
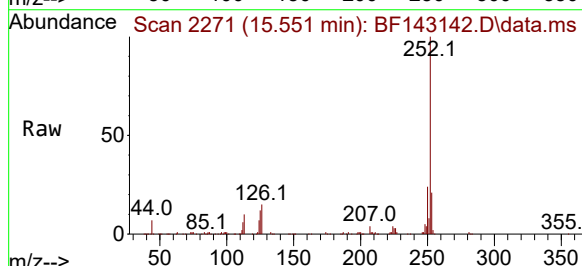
Tgt Ion:252 Resp: 150853

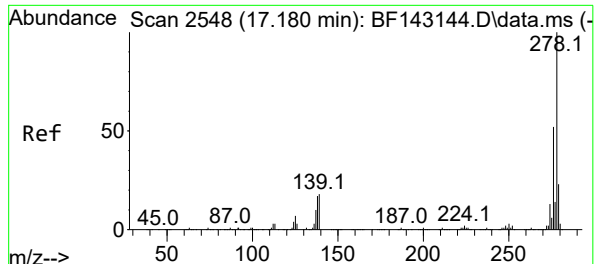
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

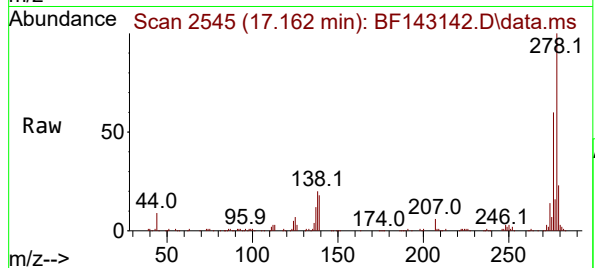
125 11.9 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

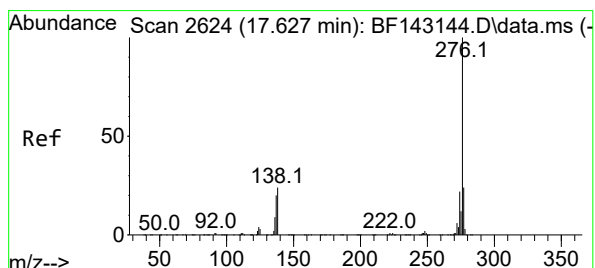
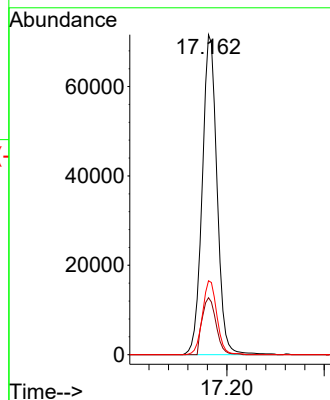
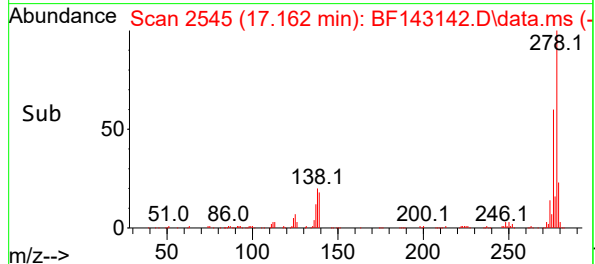
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:278 Resp: 15097
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.1 18.6 28.0

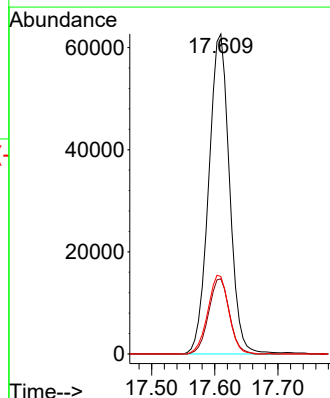
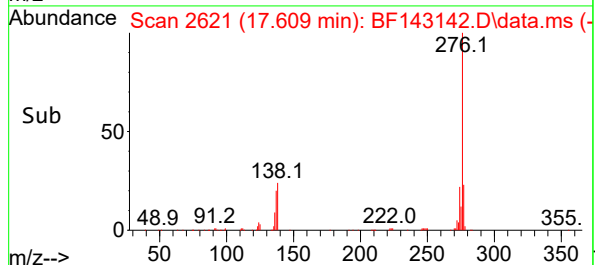
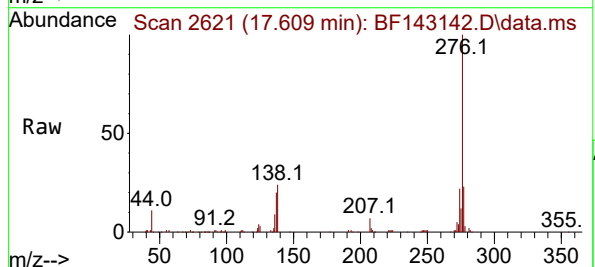
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng	0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng	0.00
86) Perylene-d12	15.621	264	338518	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	444546	41.752	ng	0.00
7) Phenol-d6	6.575	99	558427	41.668	ng	-0.01
23) Nitrobenzene-d5	7.516	82	535581m	41.547	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng	0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng	99
3) Pyridine	3.581	79	261405	19.990	ng	99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng	99
6) Aniline	6.622	93	382991	20.505	ng	99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng	98
9) Benzaldehyde	6.510	77	196003	19.504	ng	98
10) Phenol	6.593	94	299259m	20.497	ng	
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng	98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng	99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng	100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng	99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng	100
17) 2-Methylphenol	7.198	107	192172	20.479	ng	99
18) Hexachloroethane	7.481	117	88036	20.828	ng	98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng	97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng	96
22) Acetophenone	7.363	105	321774	21.151	ng	# 99
24) Nitrobenzene	7.534	77	249251	20.739	ng	98
25) Isophorone	7.775	82	457146	20.088	ng	99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng	98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng	100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng	98
31) Naphthalene	8.263	128	662968	20.949	ng	100
32) Benzoic acid	7.957	122	95515m	19.382	ng	
33) 4-Chloroaniline	8.304	127	269101	20.825	ng	99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng	98
35) Caprolactam	8.651	113	53950	19.911	ng	95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng	99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng	100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng	99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143143.D
 Acq On : 17 Jul 2025 12:34
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:02:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

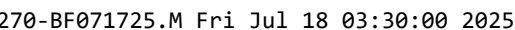
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng	99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng	100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng	99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng	99
49) Acenaphthylene	9.857	152	663048	20.789	ng	100
50) Dimethylphthalate	9.710	163	441768	20.558	ng	100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng	97
52) Acenaphthene	10.033	154	390249	20.702	ng	99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng	94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng #	1
55) Dibenzofuran	10.204	168	582320	20.806	ng	98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng	99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng	99
58) Fluorene	10.545	166	435866	20.750	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng	100
60) Diethylphthalate	10.410	149	440058	20.719	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng	99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng	99
63) Azobenzene	10.698	77	458013	20.690	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng	95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng	99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng	99
69) Atrazine	11.169	200	105386	20.370	ng	99
70) Pentachlorophenol	11.280	266	77906	19.957	ng	99
71) Phenanthrene	11.510	178	595411	21.042	ng	99
72) Anthracene	11.557	178	604416	20.944	ng	99
73) Carbazole	11.704	167	523365	20.769	ng	100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng	100
75) Fluoranthene	12.692	202	542662	20.894	ng	99
77) Benzidine	12.810	184	257904	21.919	ng	99
78) Pyrene	12.922	202	544650	20.897	ng	99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng	99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng	100
83) Chrysene	14.145	228	380799	20.714	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng	99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng	99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng	99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng	99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng	100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng	99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng	99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng	99

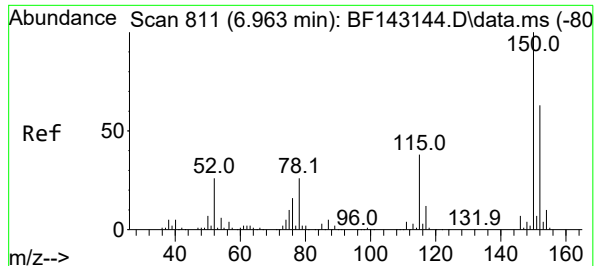
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

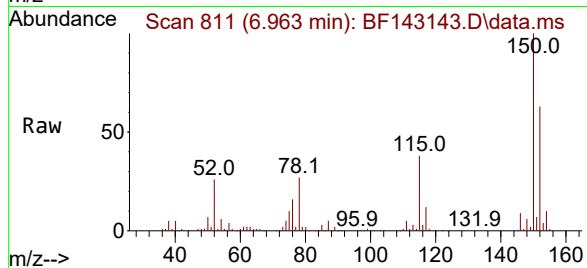
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

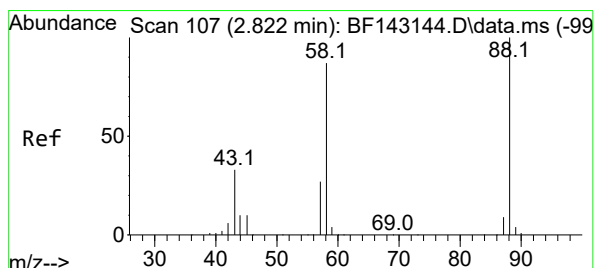
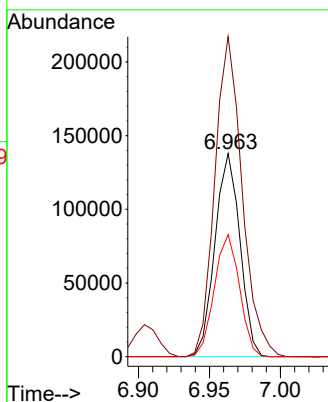
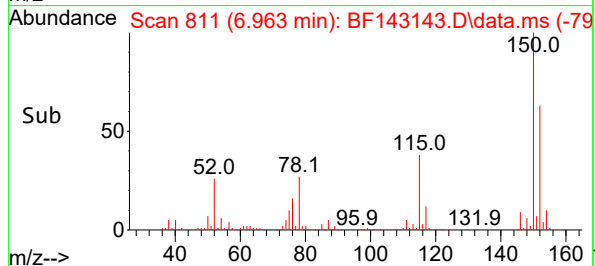
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 16849
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9

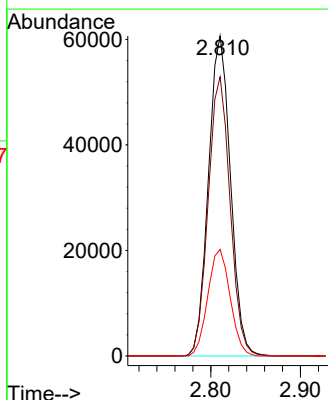
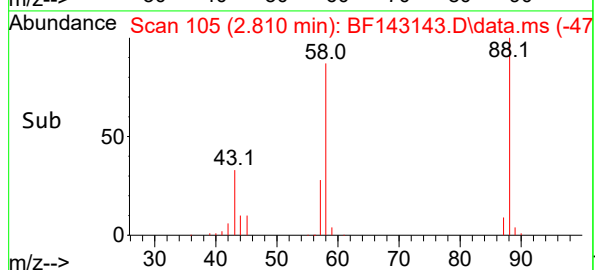
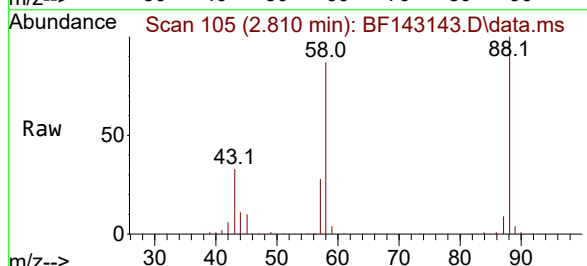
Manual Integrations
APPROVED

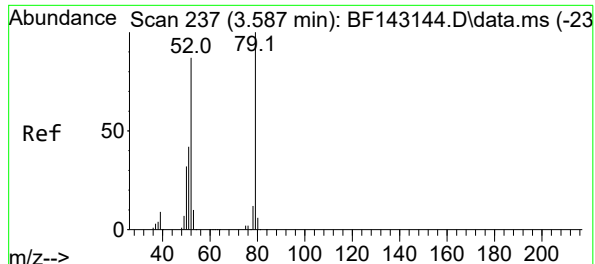
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481
Ion Ratio Lower Upper
88 100
58 86.7 70.2 105.2
43 33.8 27.1 40.7





#3

Pyridine

Concen: 19.990 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 26140

Ion Ratio Lower Upper

79 100

52 85.9 69.4 104.2

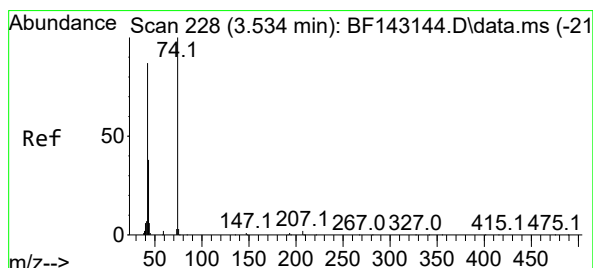
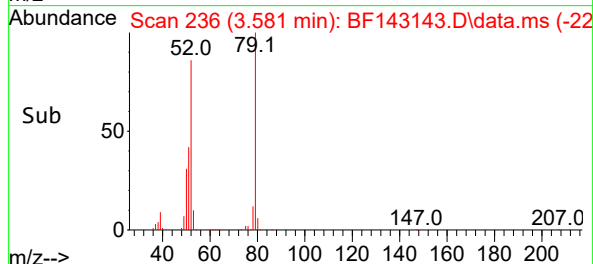
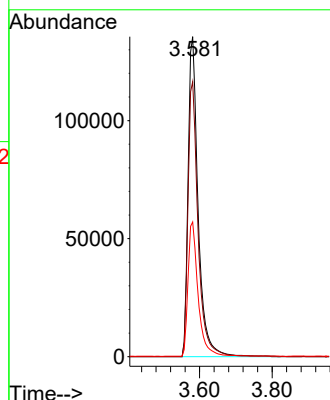
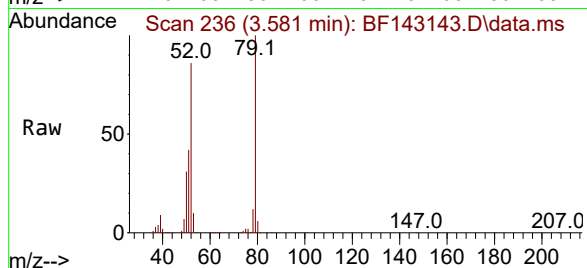
51 42.1 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 19.942 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.023 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

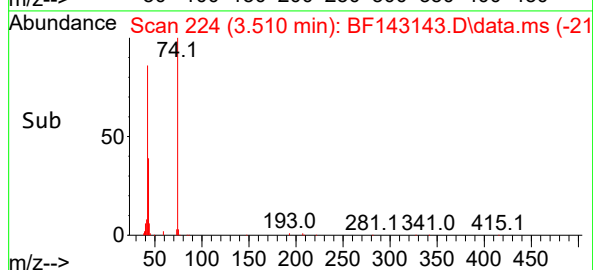
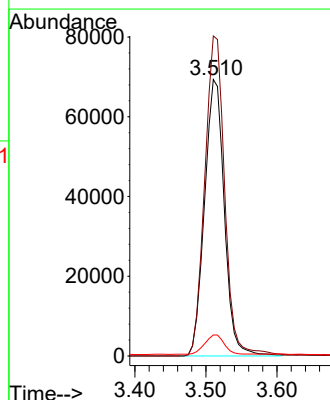
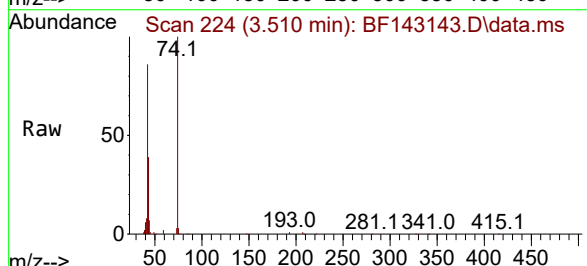
Tgt Ion: 42 Resp: 134638

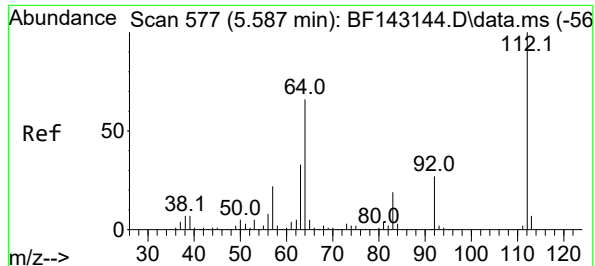
Ion Ratio Lower Upper

42 100

74 115.7 91.7 137.5

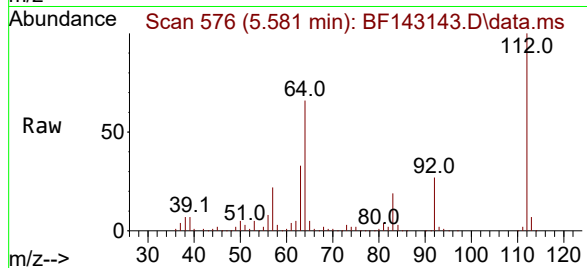
44 7.6 5.6 8.4





#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 511
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

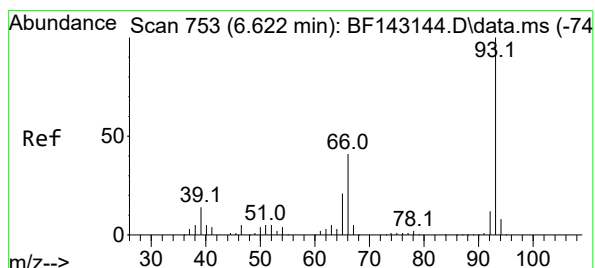
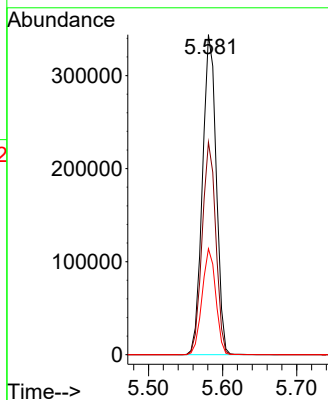
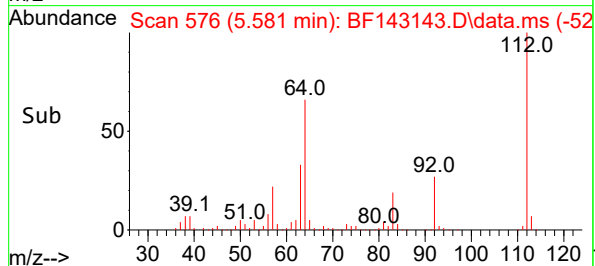
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:112 Resp: 444540
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.1 26.6 40.0

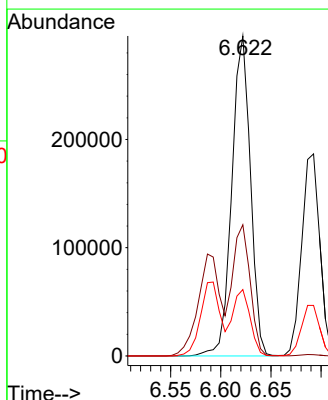
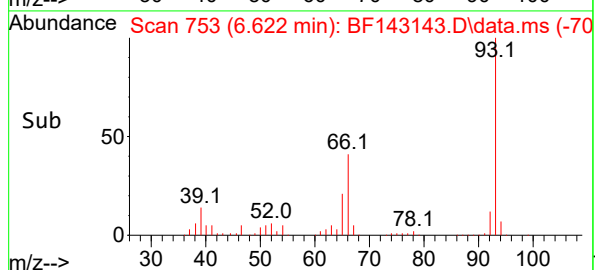
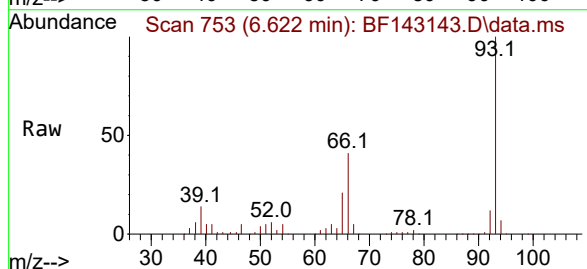
Manual Integrations
APPROVED

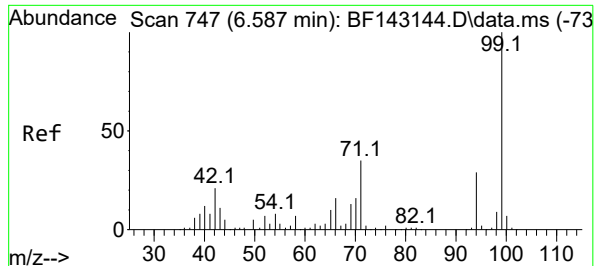
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

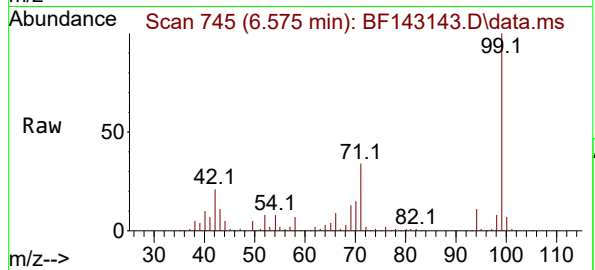
Tgt Ion: 93 Resp: 382991
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.7 16.9 25.3





#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

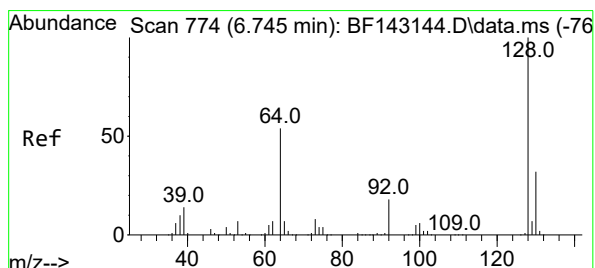
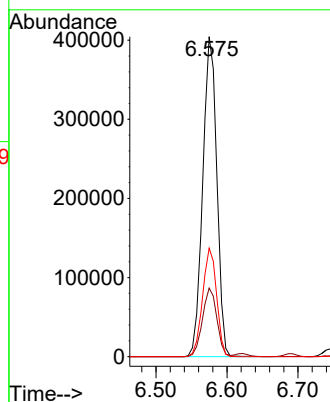
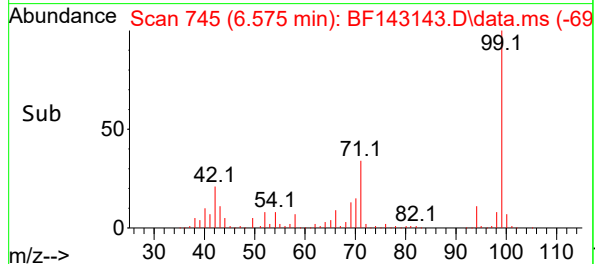
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 99 Resp: 55842
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 33.9 27.7 41.5

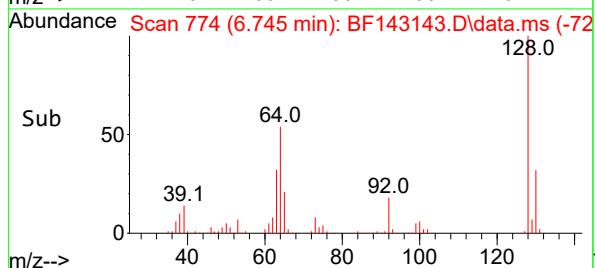
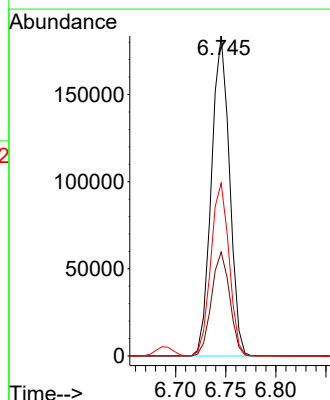
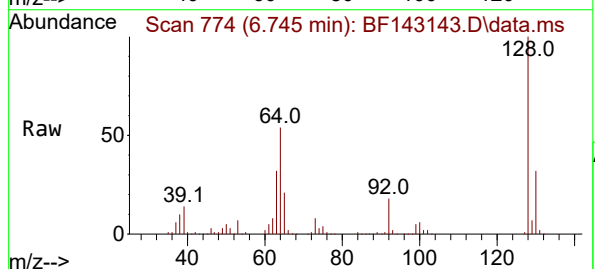
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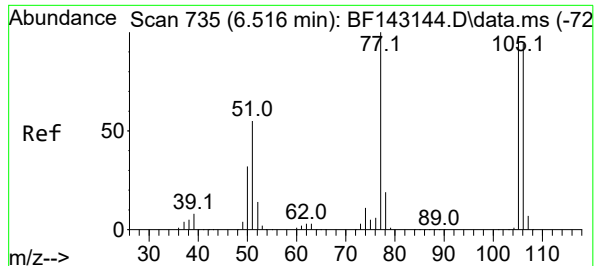
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:128 Resp: 231044
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 54.0 35.9 75.9





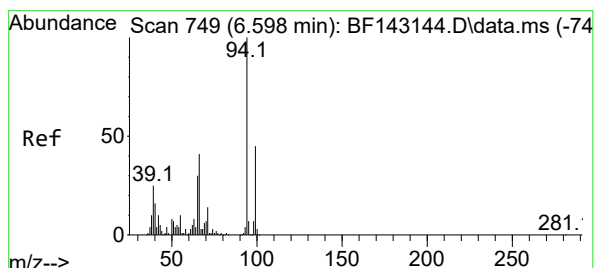
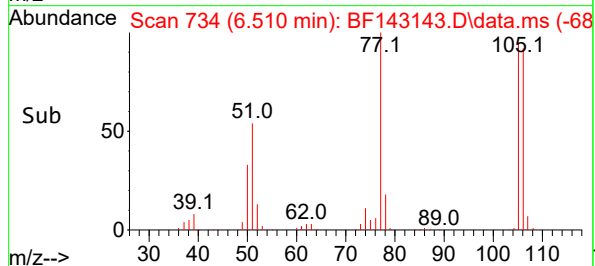
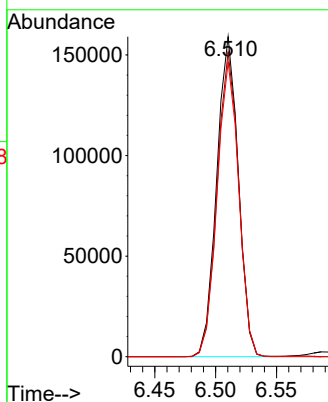
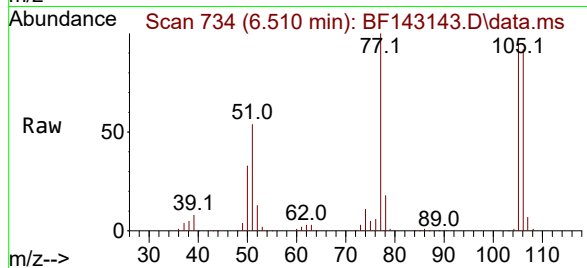
#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 19600
Ion Ratio Lower Upper
77 100
105 95.3 76.8 116.8
106 92.0 74.4 114.4

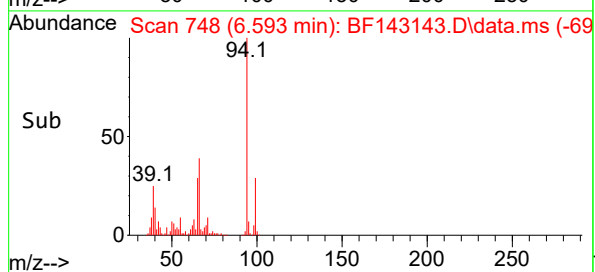
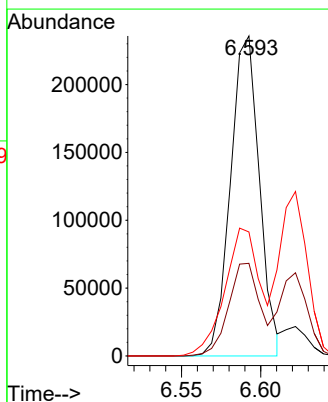
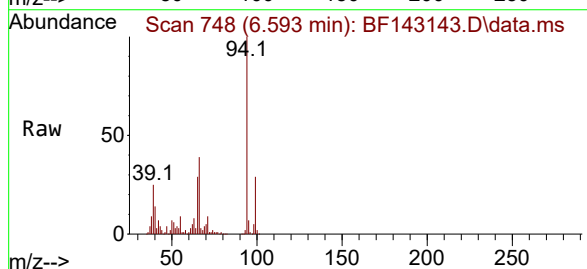
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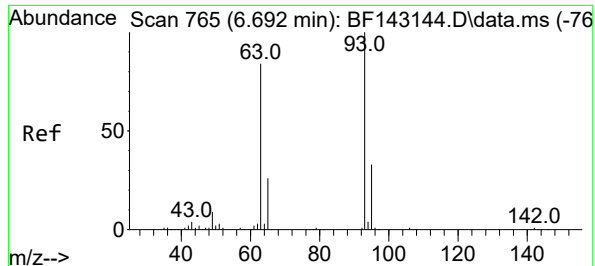
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#10
Phenol
Concen: 20.497 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 94 Resp: 299259
Ion Ratio Lower Upper
94 100
65 29.0 10.0 50.0
66 38.8 20.8 60.8





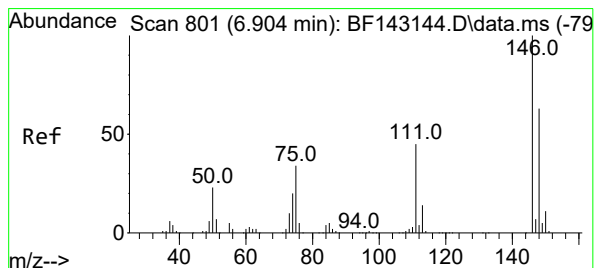
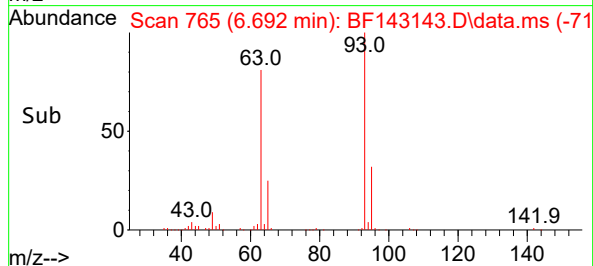
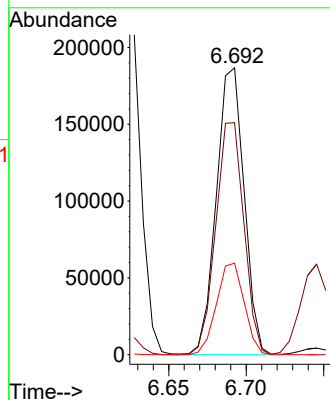
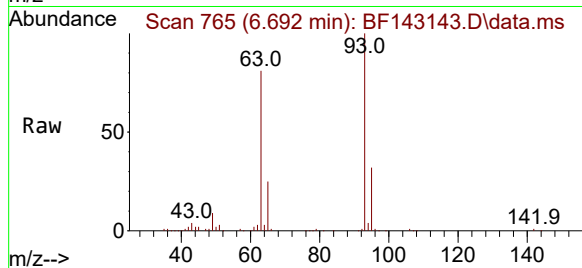
#11
bis(2-Chloroethyl)ether
Concen: 20.792 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 232425
Ion Ratio Lower Upper
93 100
63 80.9 63.4 103.4
95 31.9 12.4 52.4

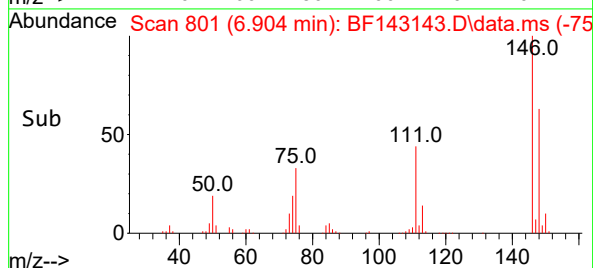
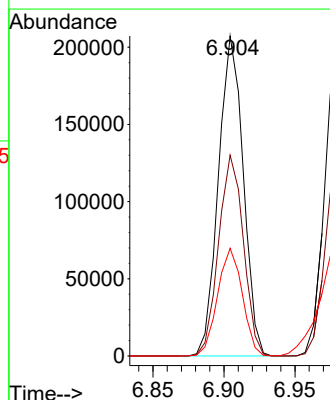
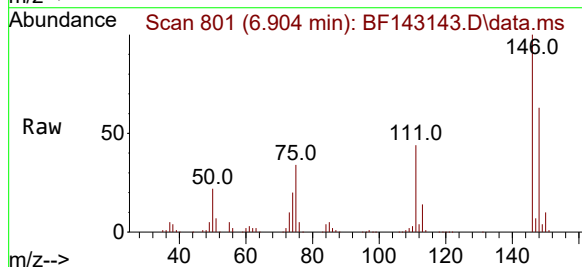
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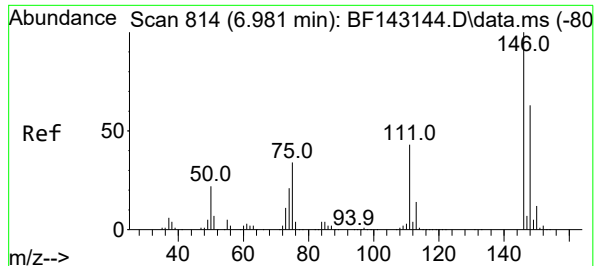
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 251734
Ion Ratio Lower Upper
146 100
148 62.7 50.6 76.0
75 33.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 20.733 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 25313

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

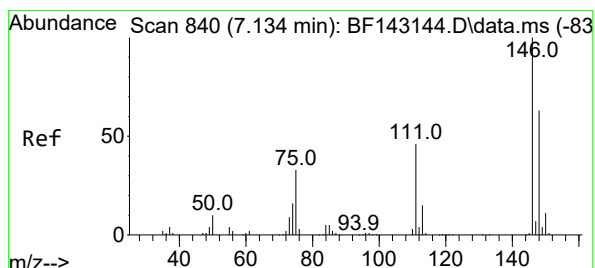
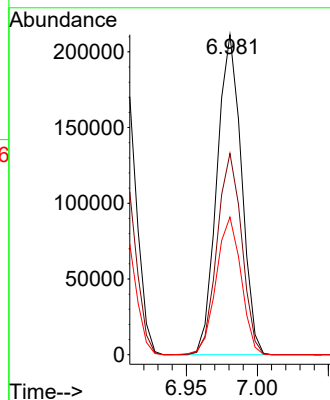
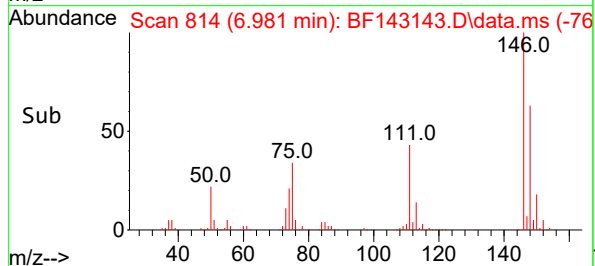
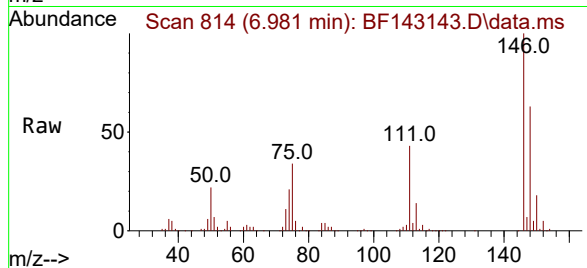
111 43.0 34.4 51.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 20.963 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

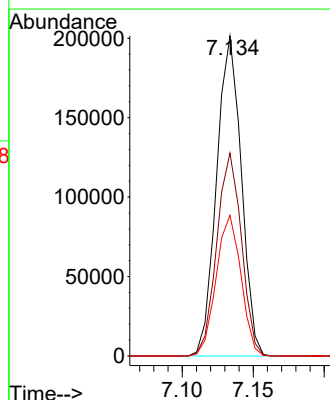
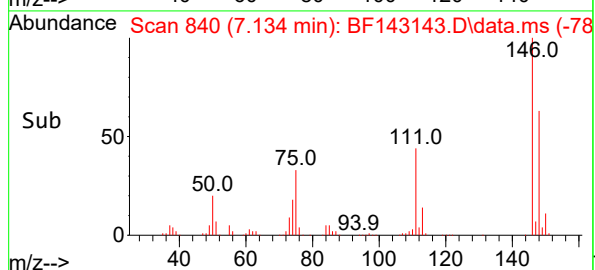
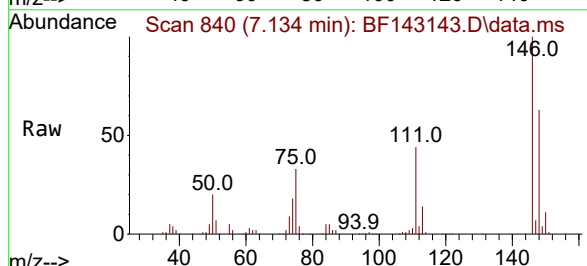
Tgt Ion:146 Resp: 243437

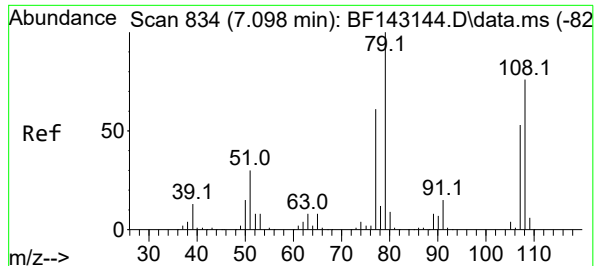
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 44.0 36.6 54.8





#15

Benzyl Alcohol

Concen: 20.524 ng

RT: 7.092 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 210010

Ion Ratio Lower Upper

79 100

108 75.0 61.1 91.7

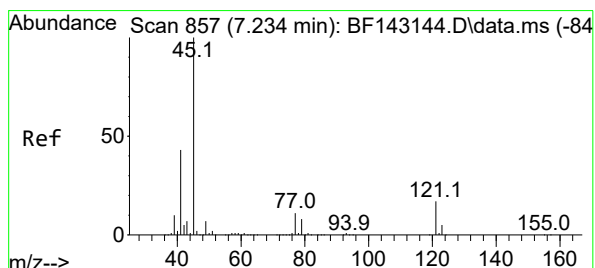
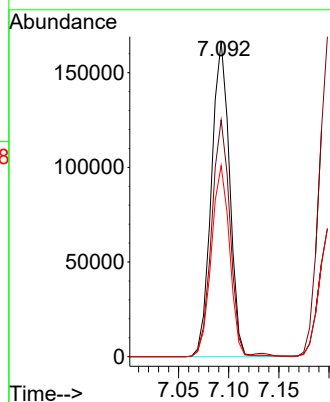
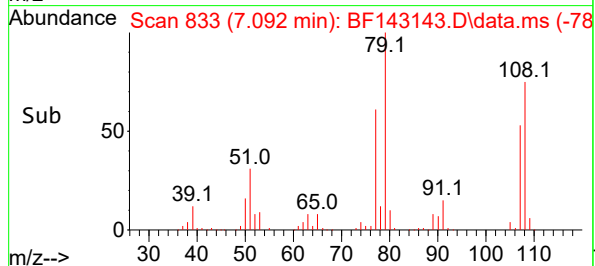
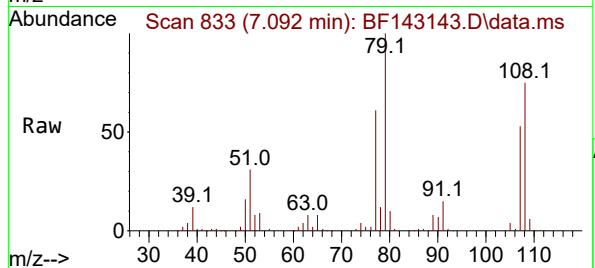
77 60.5 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.680 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

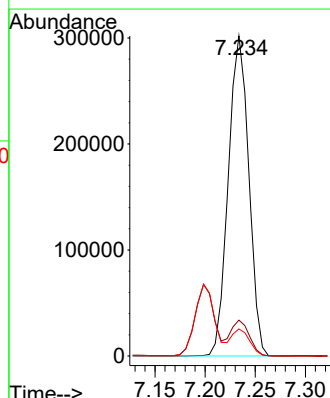
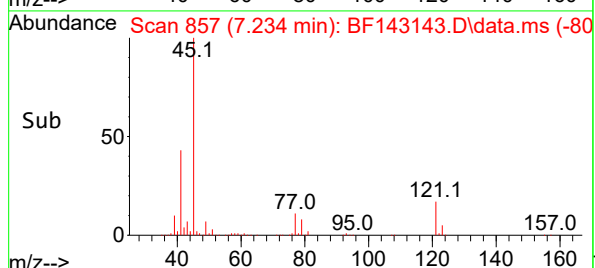
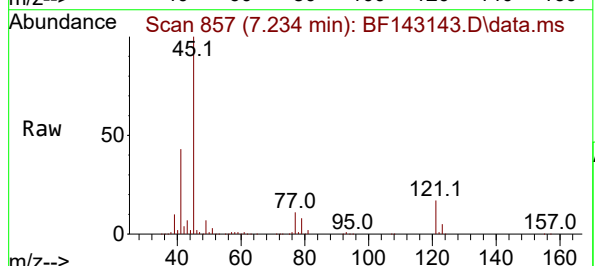
Tgt Ion: 45 Resp: 428827

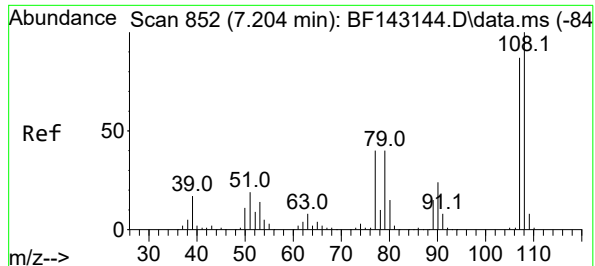
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

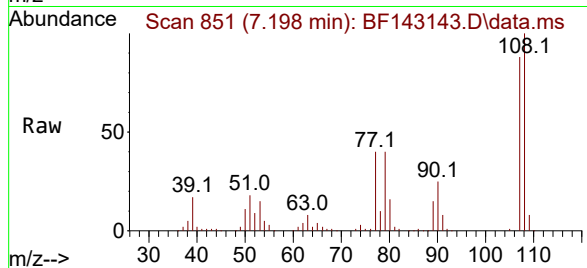
79 8.4 0.0 28.5





#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

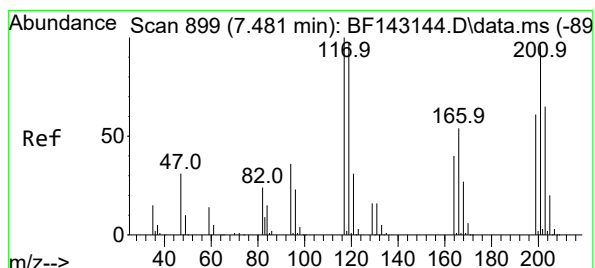
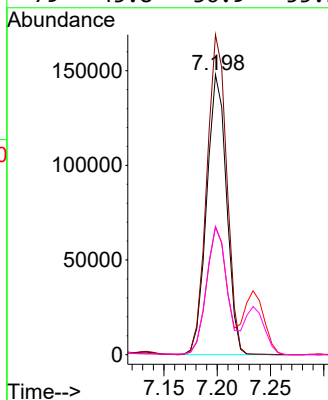
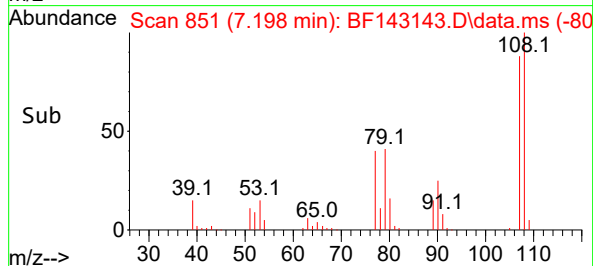
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:107 Resp: 192172
Ion Ratio Lower Upper
107 100
108 114.3 91.8 137.6
77 45.6 37.0 55.6
79 45.8 36.9 55.3

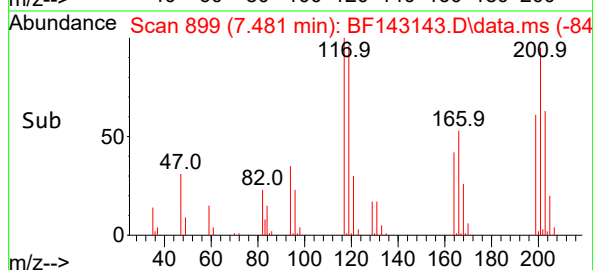
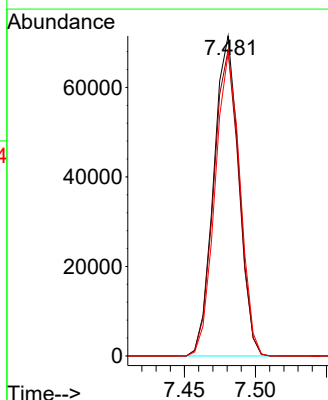
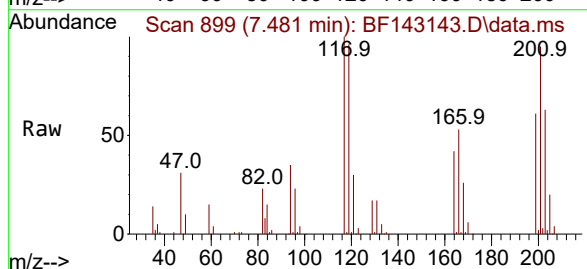
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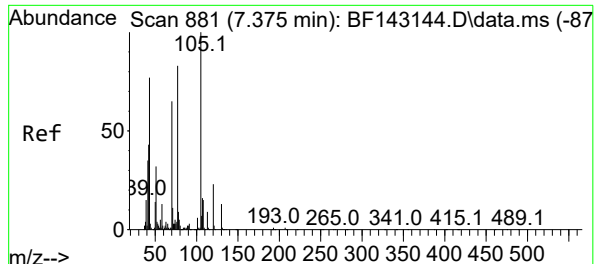
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:117 Resp: 88036
Ion Ratio Lower Upper
117 100
119 95.5 77.8 116.8
201 94.8 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 20.137 ng

RT: 7.363 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 17314

Ion Ratio Lower Upper

70 100

42 68.6 52.5 78.7

101 9.4 7.6 11.4

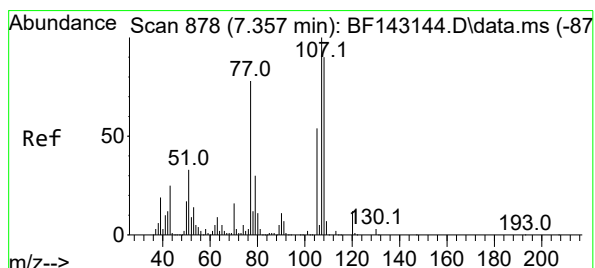
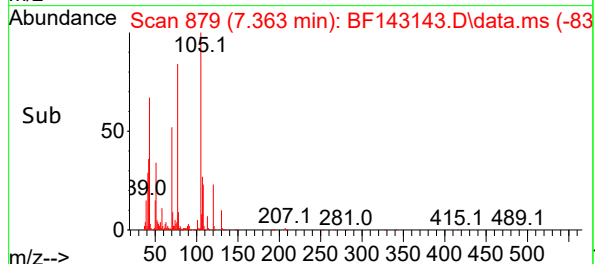
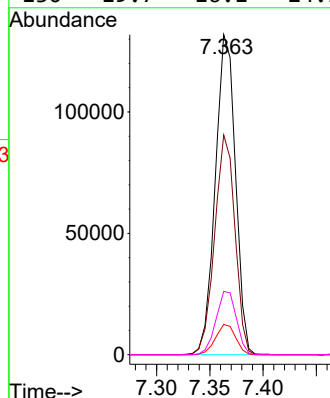
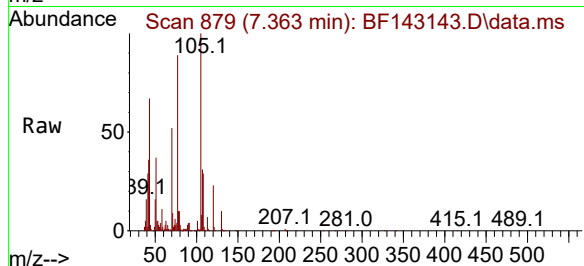
130 19.7 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 21.745 ng

RT: 7.351 min Scan# 877

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 247578

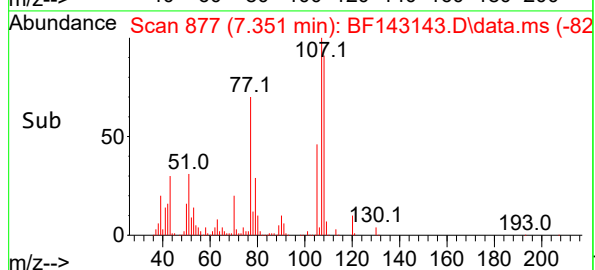
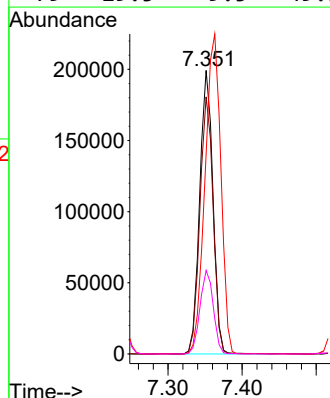
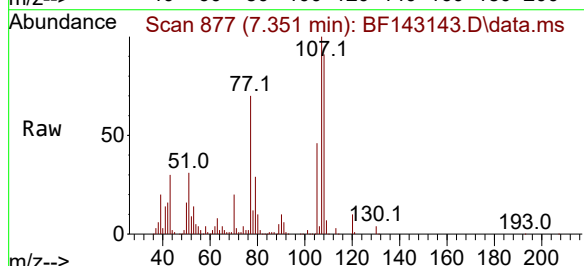
Ion Ratio Lower Upper

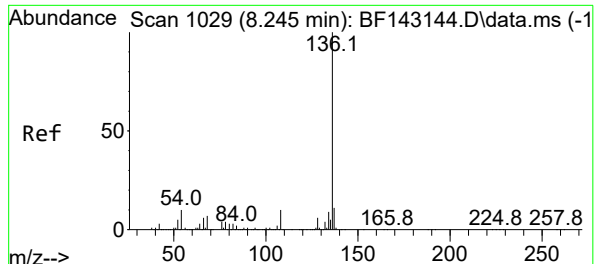
107 100

108 90.7 70.0 110.0

77 70.4 57.8 97.8

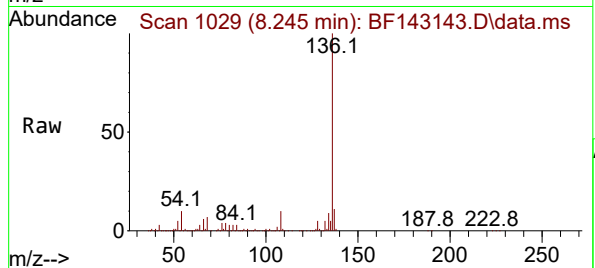
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

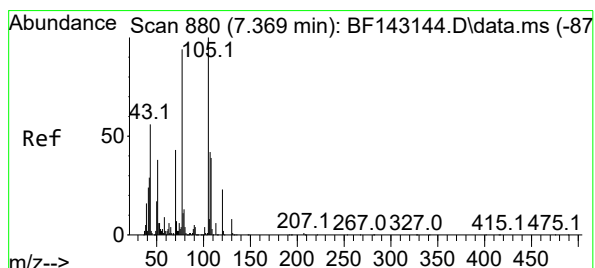
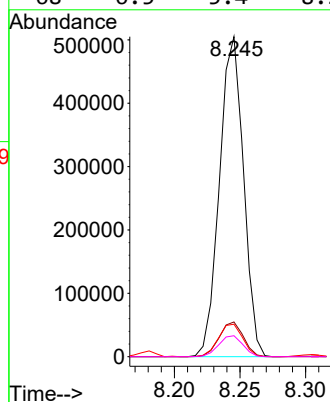
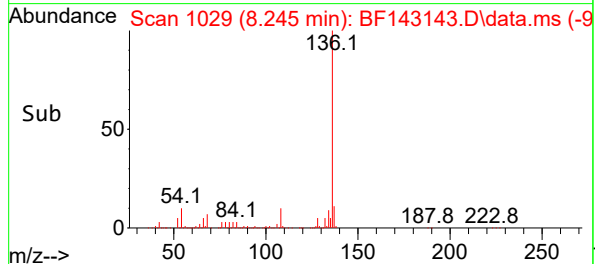
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 642580
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.2 8.2 12.2
68 6.5 5.4 8.2

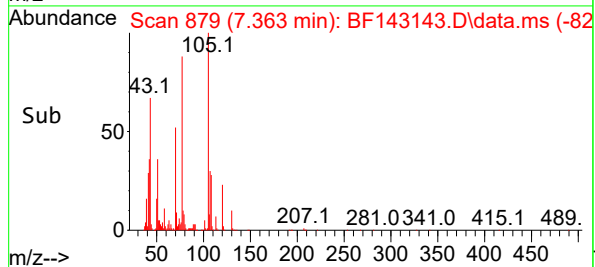
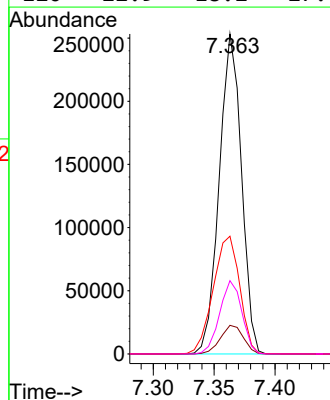
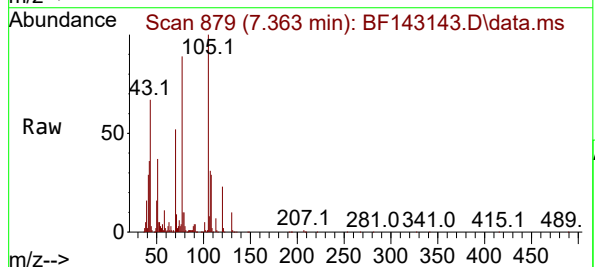
Manual Integrations
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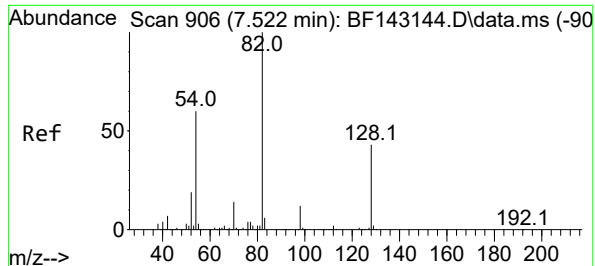
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:105 Resp: 321774
Ion Ratio Lower Upper
105 100
71 9.0 5.8 8.6#
51 36.8 30.2 45.2
120 22.9 18.2 27.4





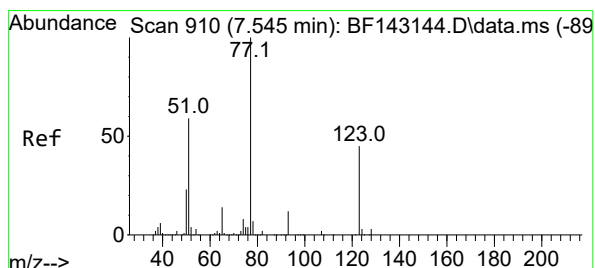
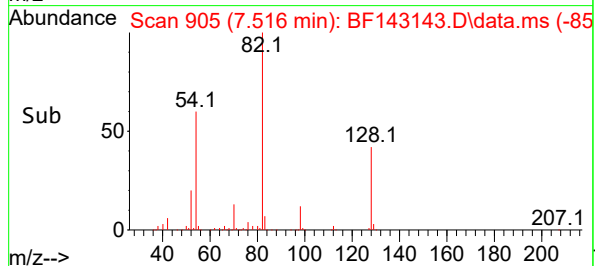
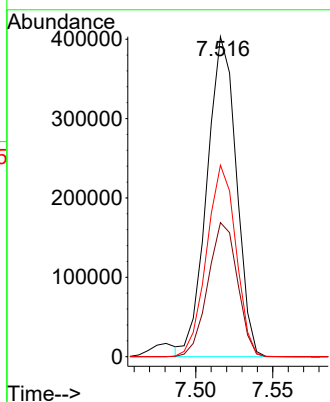
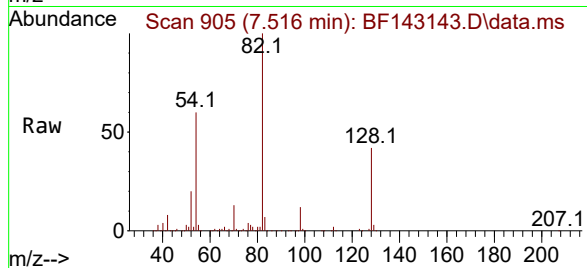
#23
Nitrobenzene-d5
Concen: 41.547 ng m
RT: 7.516 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 53558
Ion Ratio Lower Upper
82 100
128 41.9 33.6 50.4
54 59.8 47.1 70.7

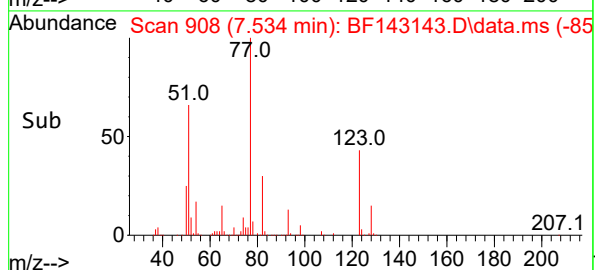
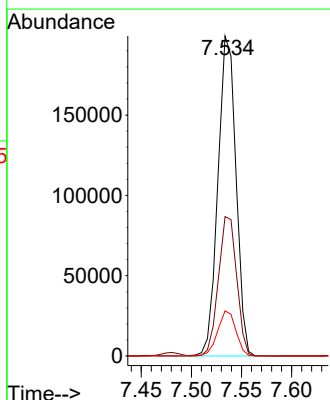
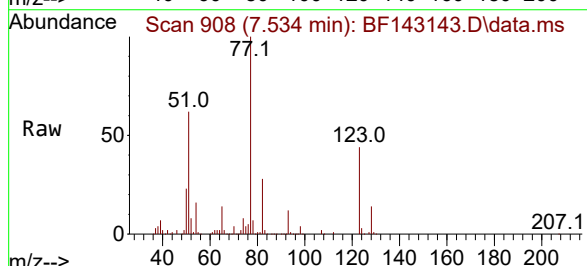
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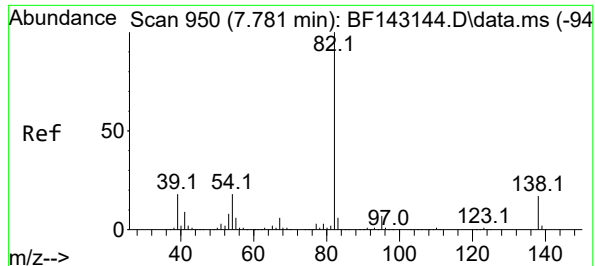
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 249251
Ion Ratio Lower Upper
77 100
123 43.5 36.1 54.1
65 14.1 11.4 17.2





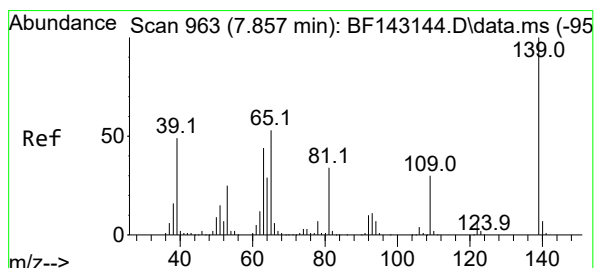
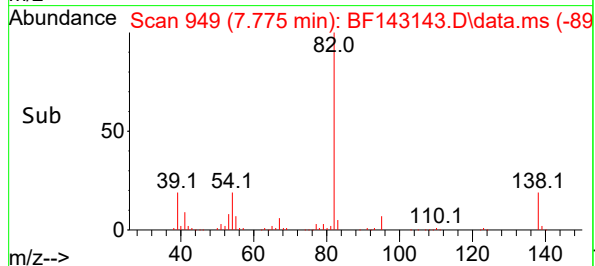
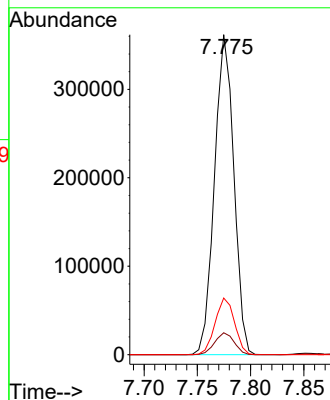
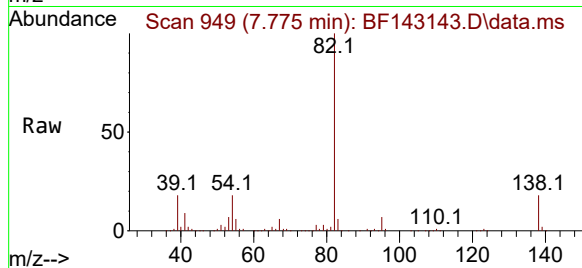
#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
Client Sample Id :
SSTDICC020

Tgt Ion: 82 Resp: 457140
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8

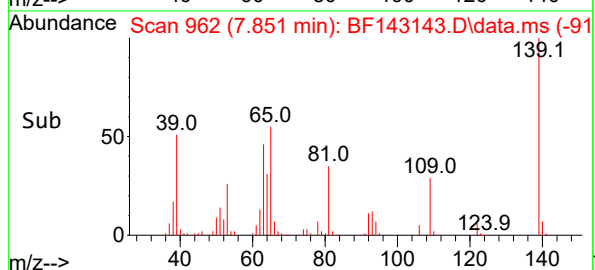
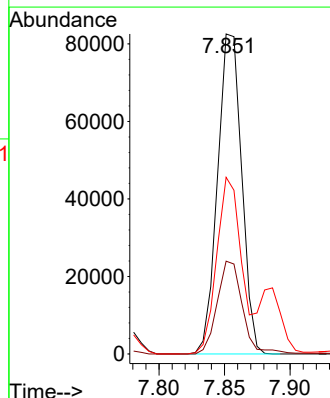
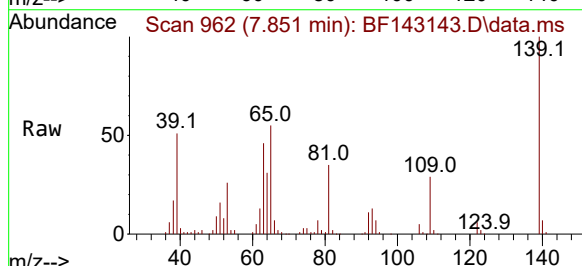
Manual Integrations
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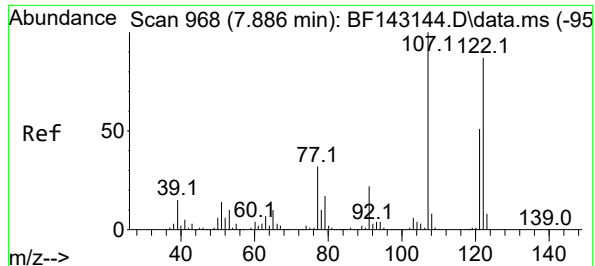
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 105681
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 20.594 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 218960

Ion Ratio Lower Upper

122 100

107 114.5 91.8 137.6

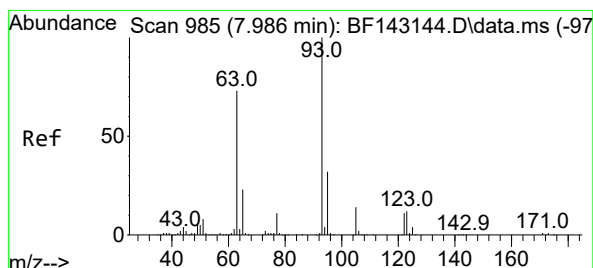
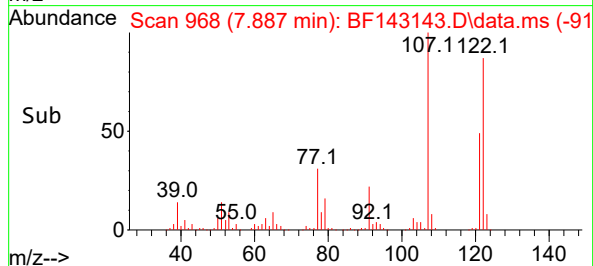
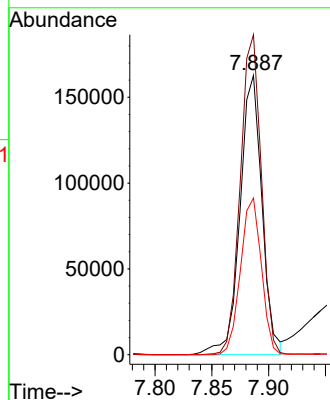
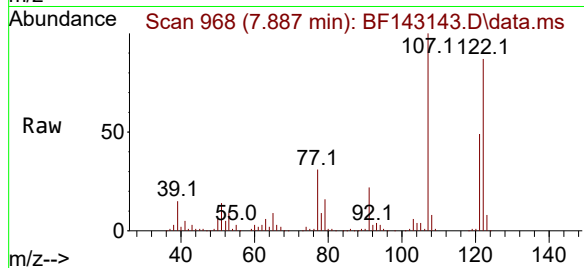
121 56.1 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 20.811 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

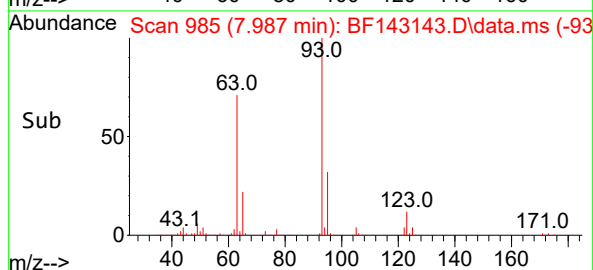
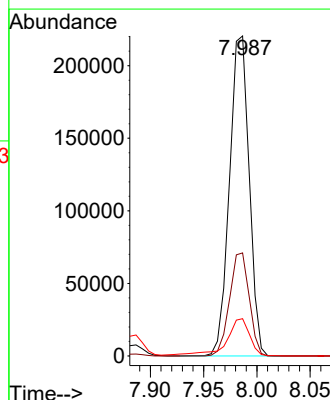
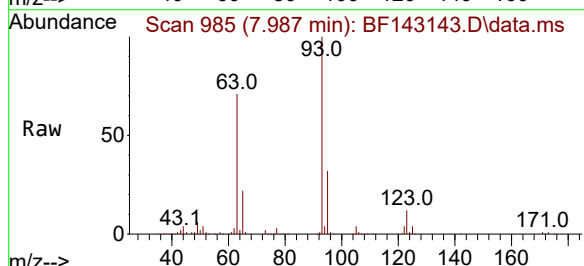
Tgt Ion: 93 Resp: 283946

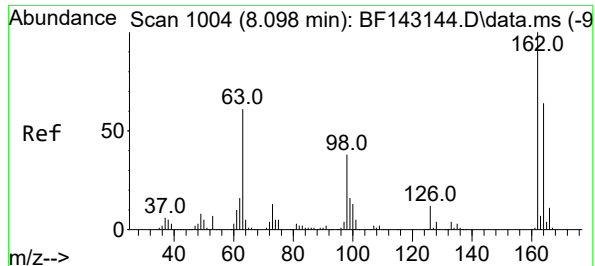
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 11.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 20.569 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 18443

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

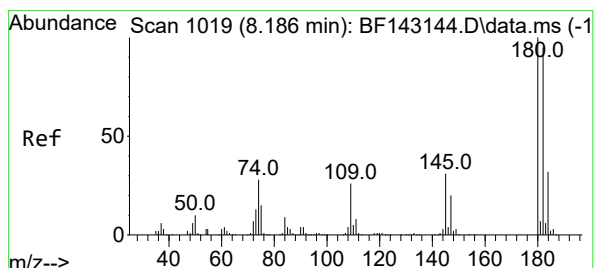
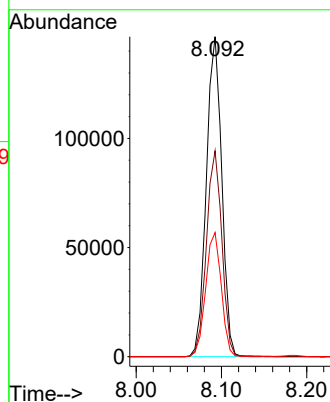
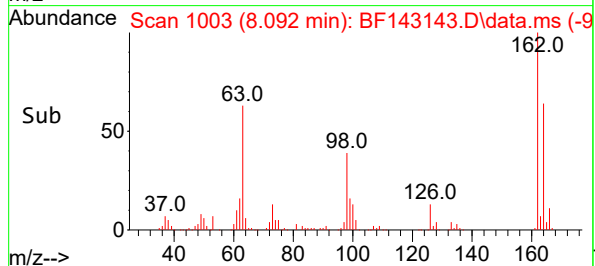
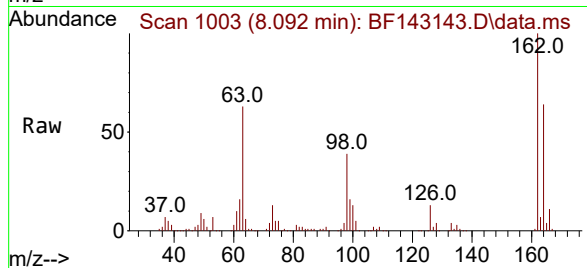
98 38.8 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.070 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

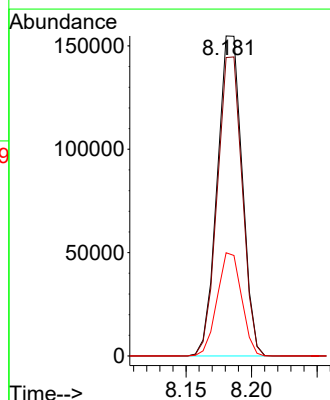
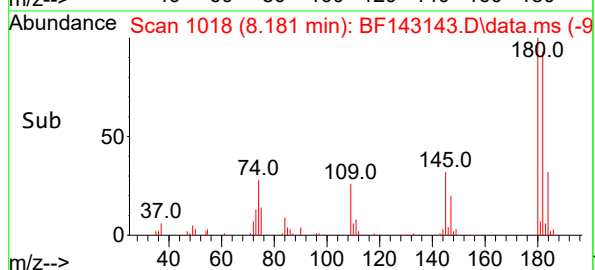
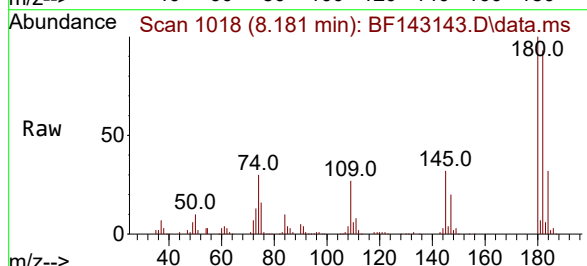
Tgt Ion:180 Resp: 204103

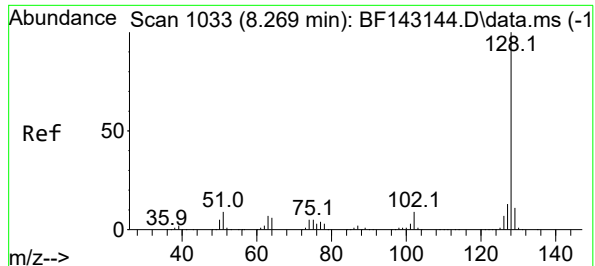
Ion Ratio Lower Upper

180 100

182 93.3 76.2 114.2

145 32.2 25.0 37.6





#31

Naphthalene

Concen: 20.949 ng

RT: 8.263 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:128 Resp: 662968

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

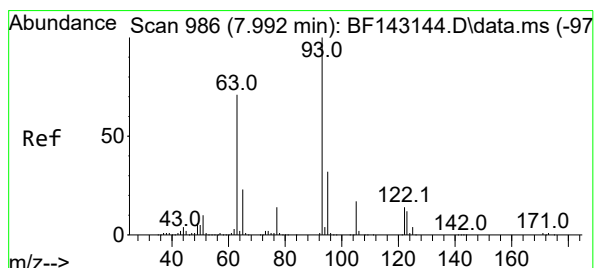
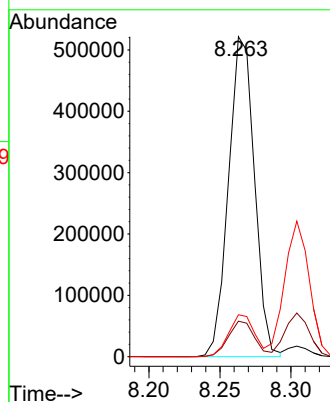
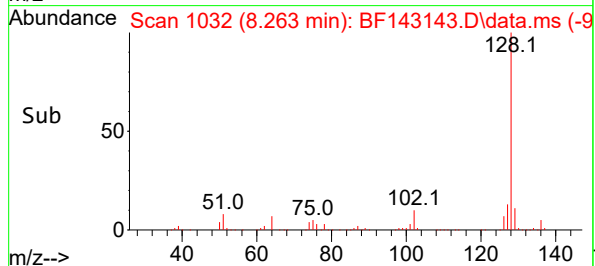
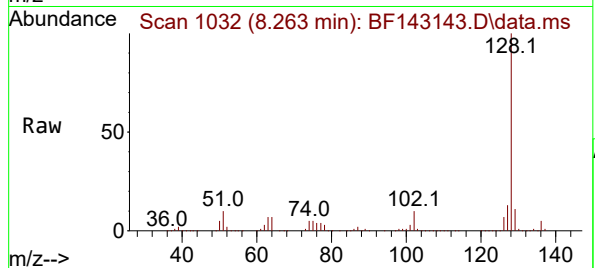
127 13.1 10.6 16.0

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Supervised By :Jagrut Upadhyay 07/18/2025



#32

Benzoic acid

Concen: 19.382 ng m

RT: 7.957 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

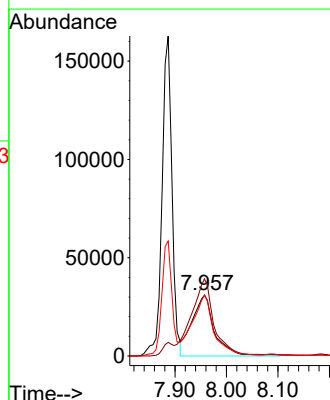
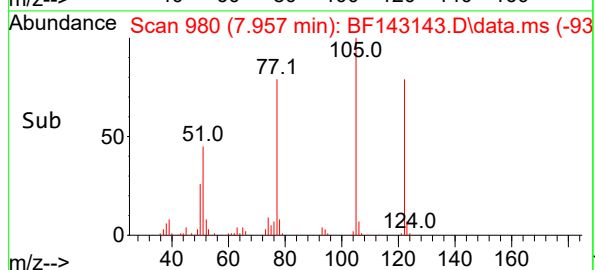
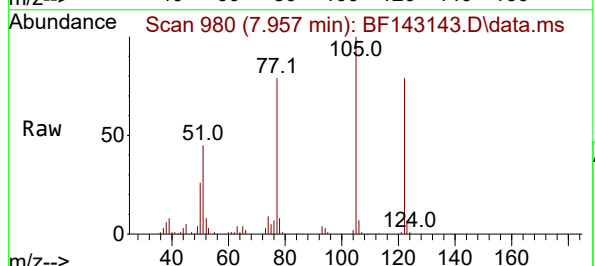
Tgt Ion:122 Resp: 95515

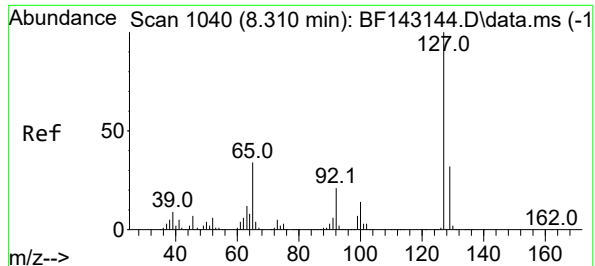
Ion Ratio Lower Upper

122 100

105 126.7 104.8 144.8

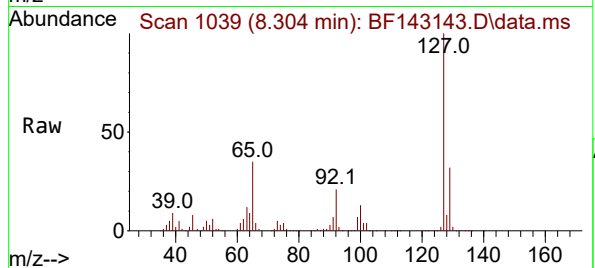
77 99.7 77.6 117.6





#33
4-Chloroaniline
Concen: 20.825 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

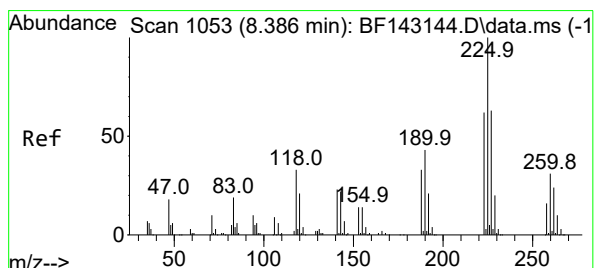
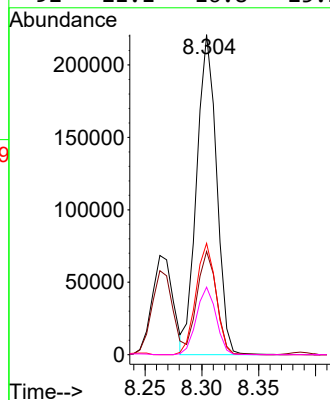
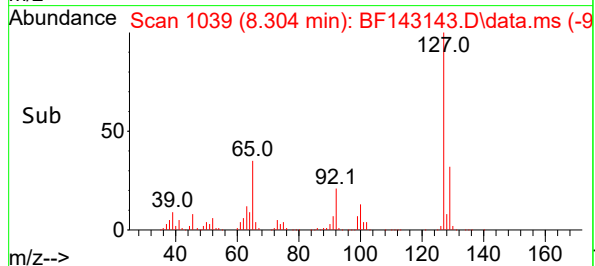
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 26910
Ion Ratio Lower Upper
127 100
129 32.2 26.0 39.0
65 34.8 27.4 41.2
92 21.1 16.8 25.2

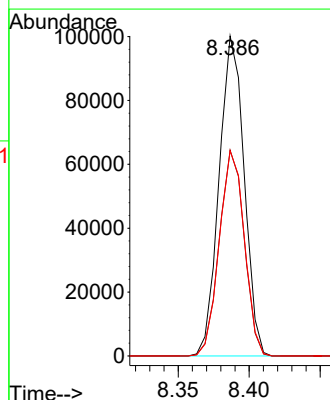
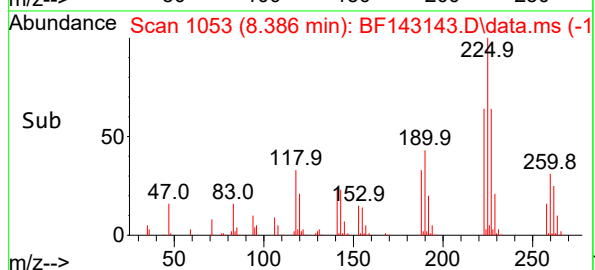
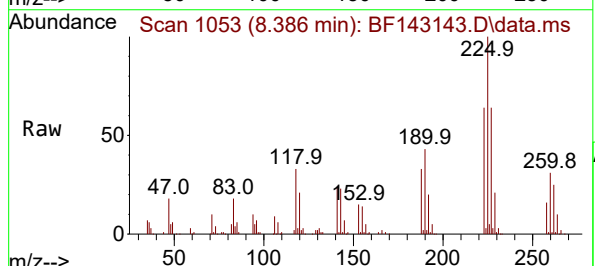
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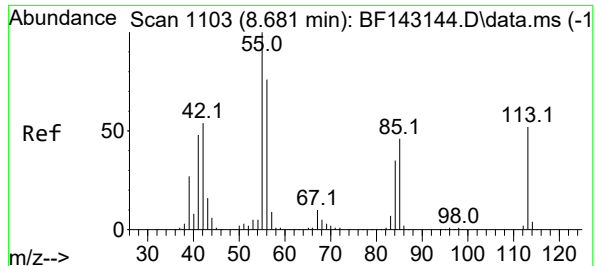
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:225 Resp: 122624
Ion Ratio Lower Upper
225 100
223 64.3 49.8 74.6
227 64.1 50.2 75.4





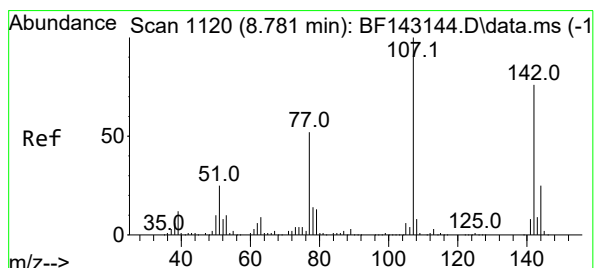
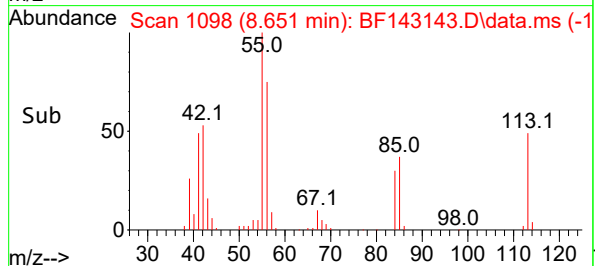
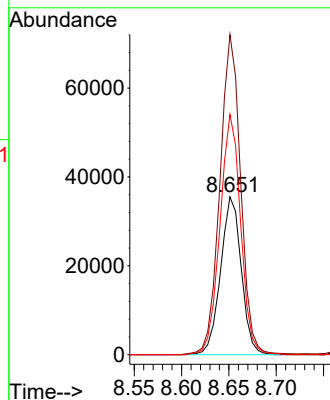
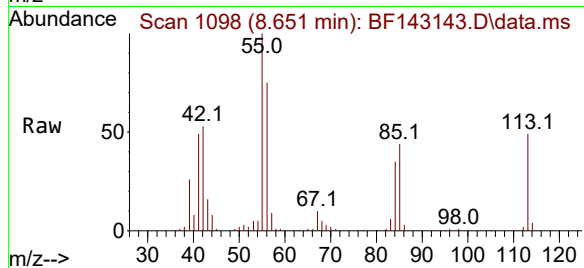
#35
Caprolactam
Concen: 19.911 ng
RT: 8.651 min Scan# 1109
Delta R.T. -0.029 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 53950
Ion Ratio Lower Upper
113 100
55 202.9 174.0 214.0
56 152.2 126.6 166.6

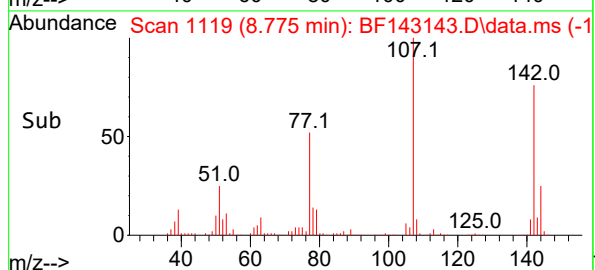
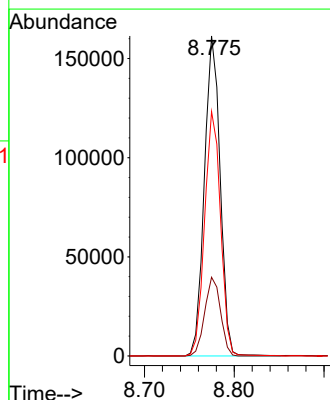
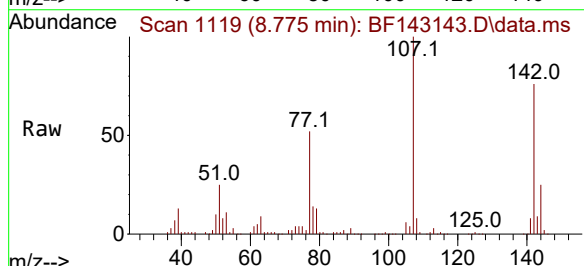
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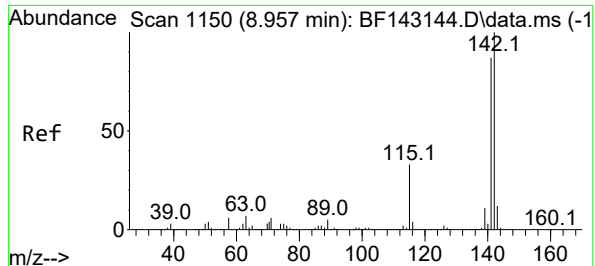
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

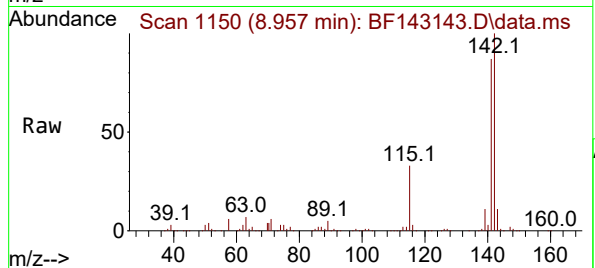
Tgt Ion:107 Resp: 197317
Ion Ratio Lower Upper
107 100
144 24.6 19.8 29.6
142 76.4 60.6 90.8





#37
2-Methylnaphthalene
Concen: 20.943 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

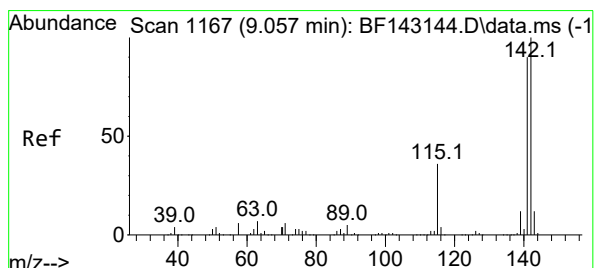
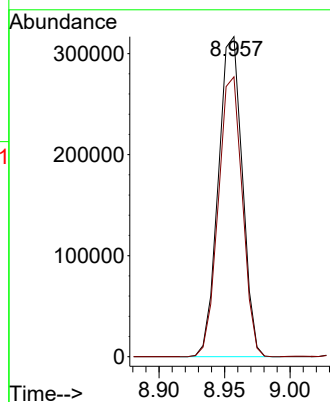
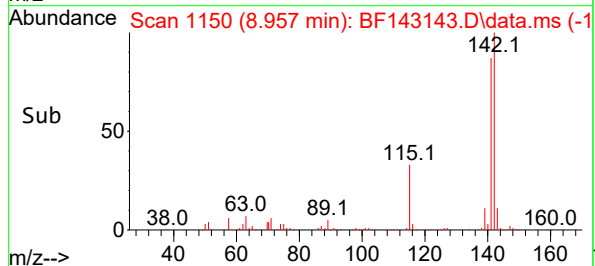
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 403298
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

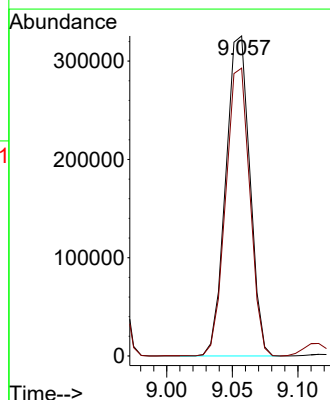
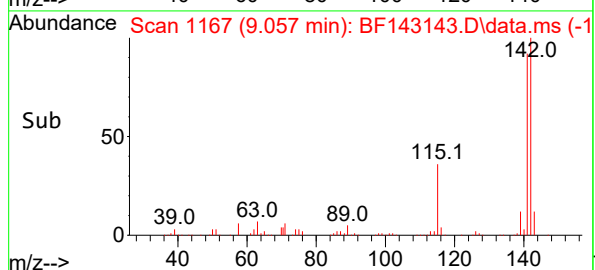
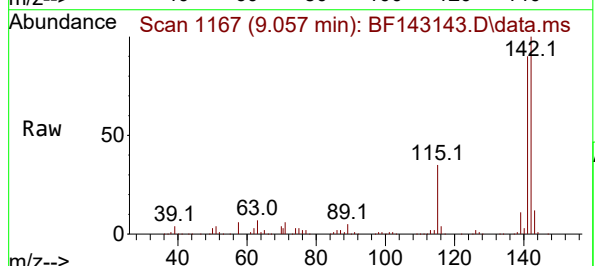
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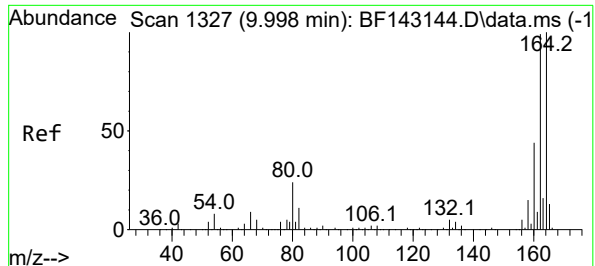
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:142 Resp: 417629
Ion Ratio Lower Upper
142 100
141 90.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

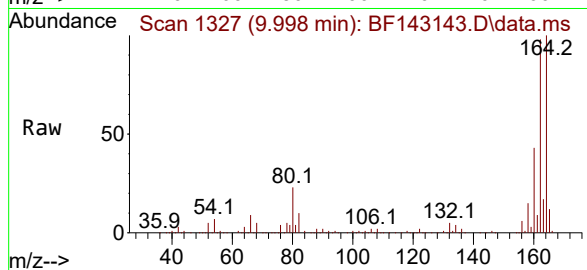
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 329670

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

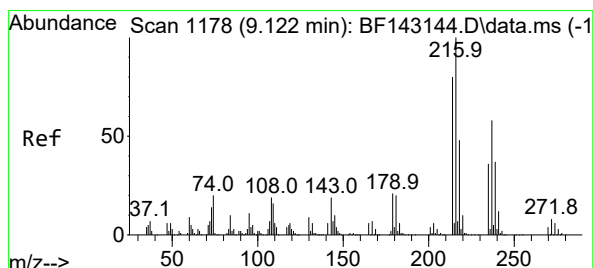
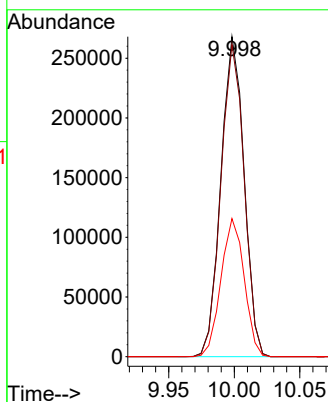
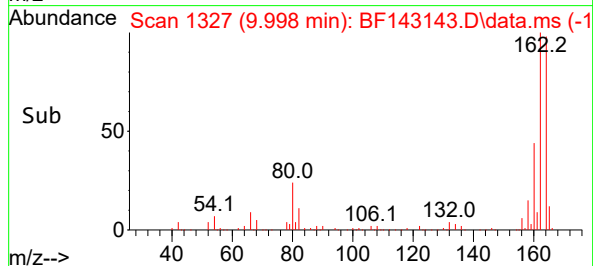
160 43.2 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

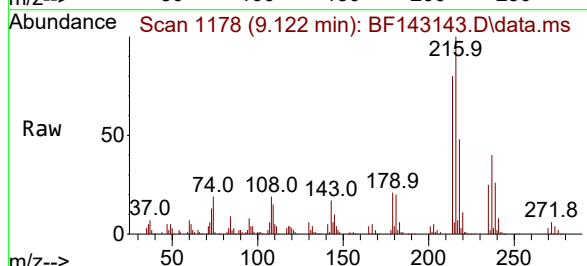
Concen: 20.804 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34



Tgt Ion:216 Resp: 198009

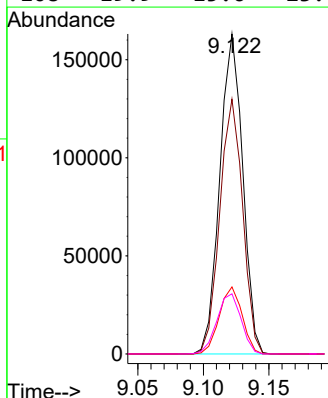
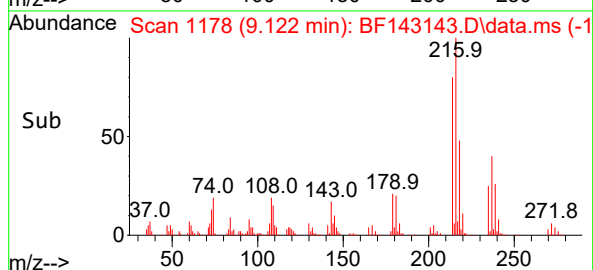
Ion Ratio Lower Upper

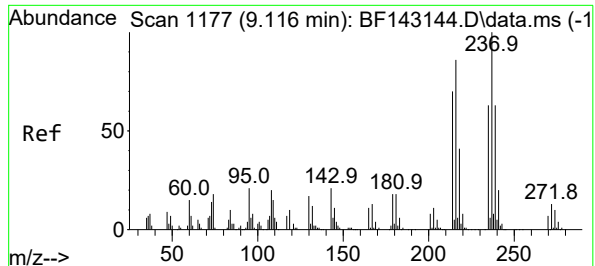
216 100

214 79.4 63.8 95.8

179 21.0 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 19.848 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:237 Resp: 12292

Ion Ratio Lower Upper

237 100

235 63.2 43.0 83.0

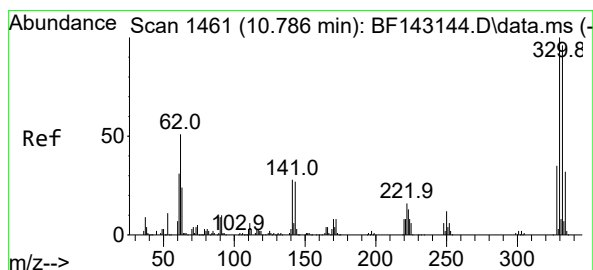
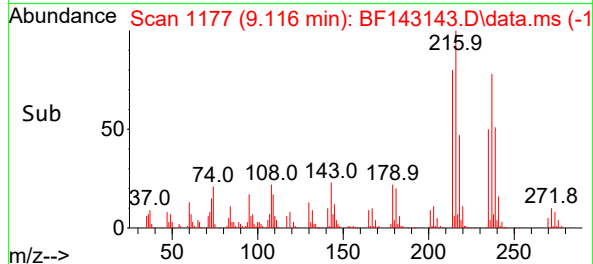
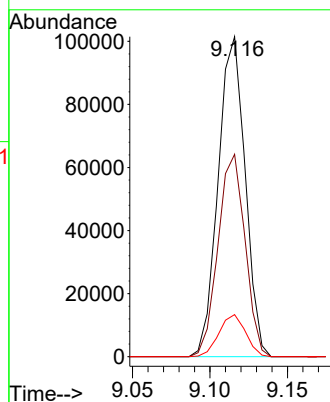
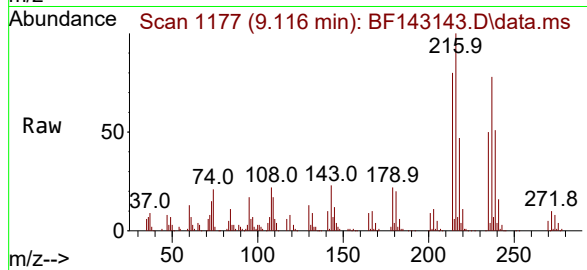
272 13.2 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 41.034 ng

RT: 10.780 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

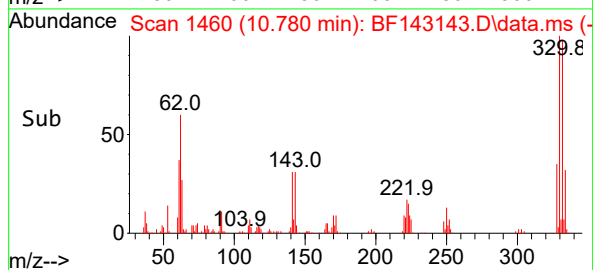
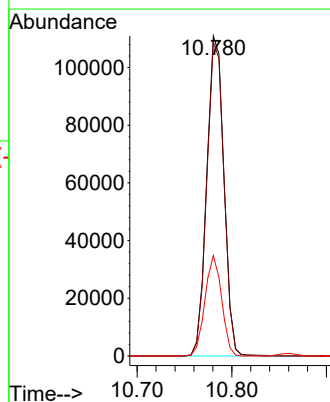
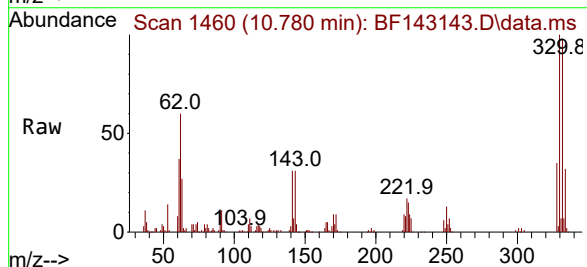
Tgt Ion:330 Resp: 139748

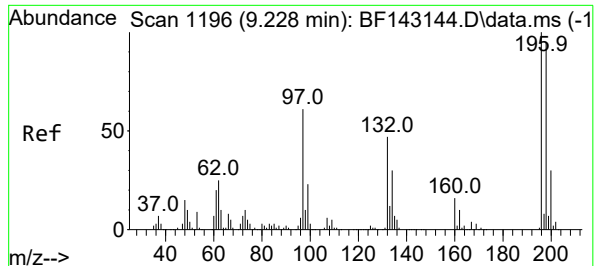
Ion Ratio Lower Upper

330 100

332 97.9 76.7 115.1

141 30.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 20.601 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143143.D

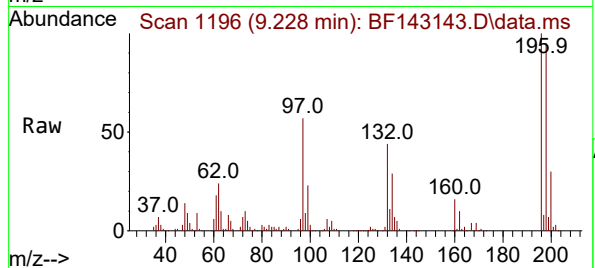
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 13570

Ion Ratio Lower Upper

196 100

198 95.4 76.2 114.2

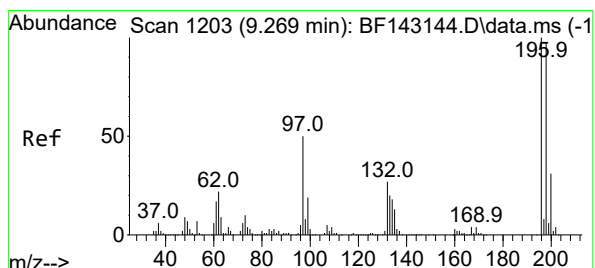
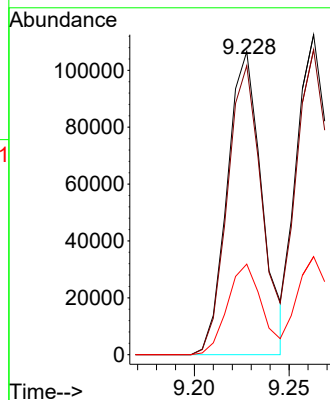
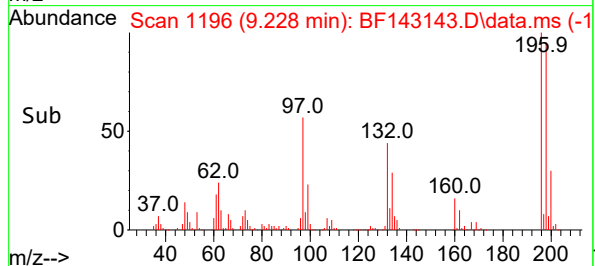
200 29.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

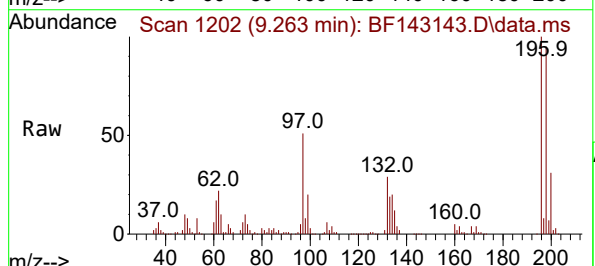
Concen: 20.584 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34



Tgt Ion:196 Resp: 135634

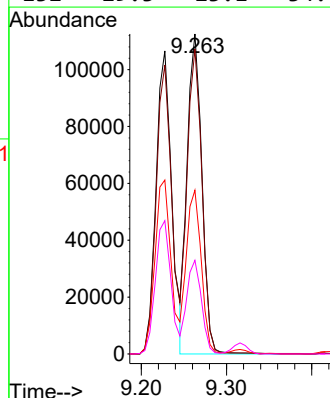
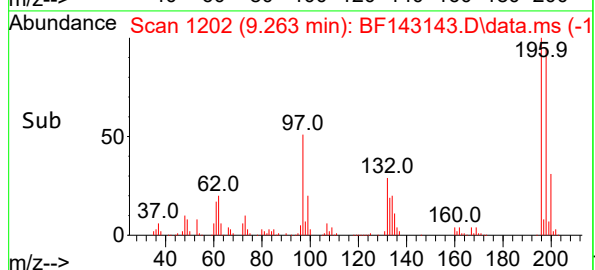
Ion Ratio Lower Upper

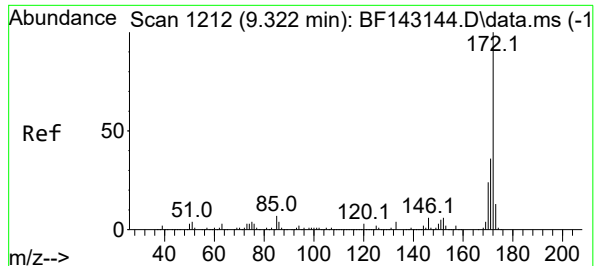
196 100

198 95.3 77.3 115.9

97 51.2 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 42.301 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 1019688

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

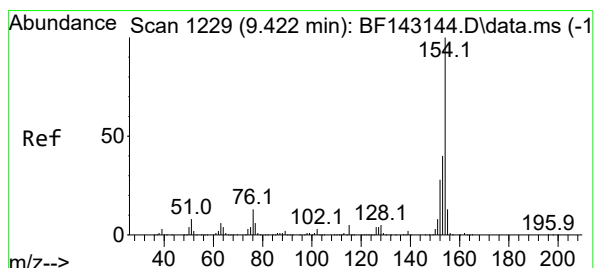
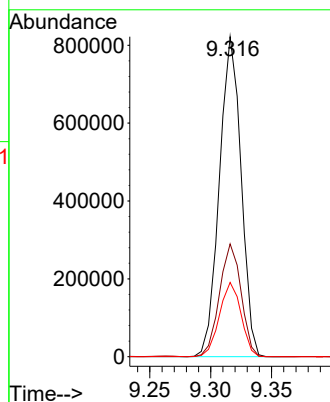
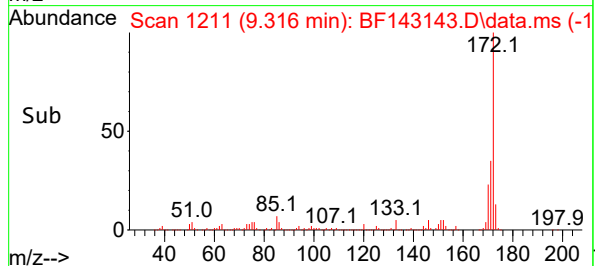
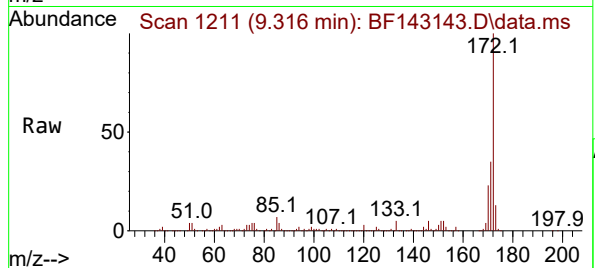
170 23.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 21.019 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

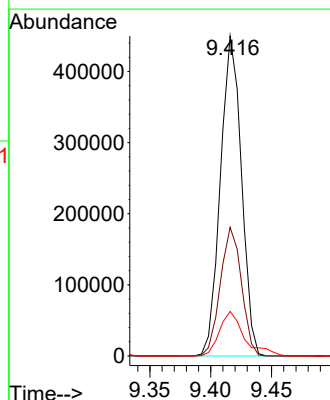
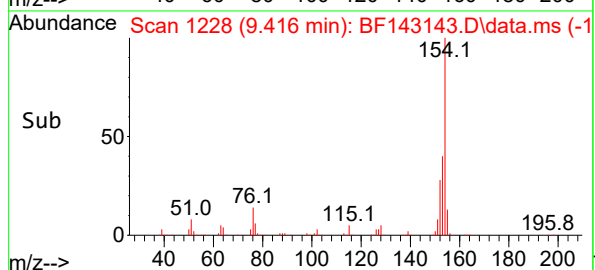
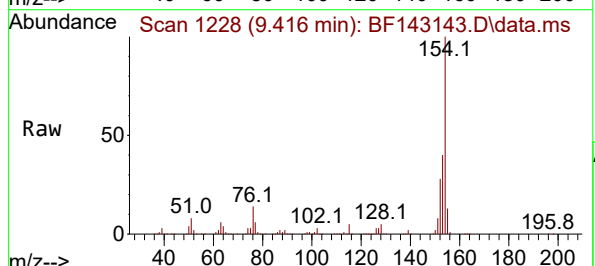
Tgt Ion:154 Resp: 540637

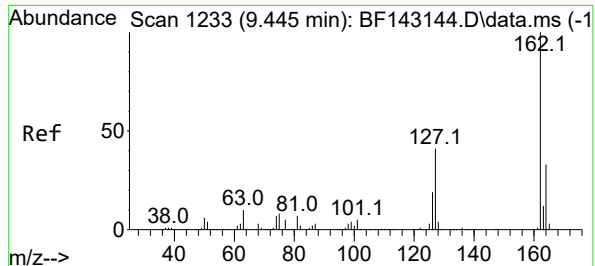
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 20.650 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143143.D

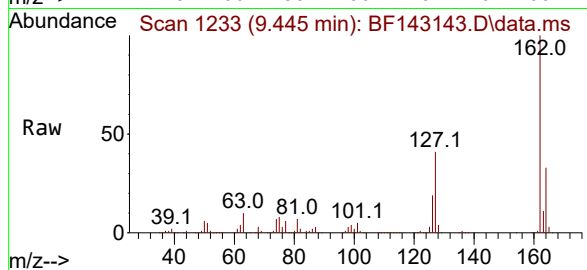
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 393002

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

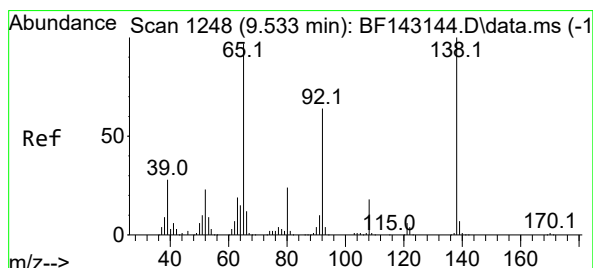
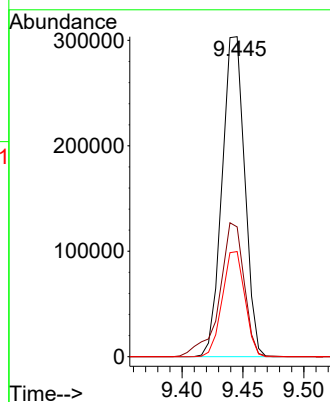
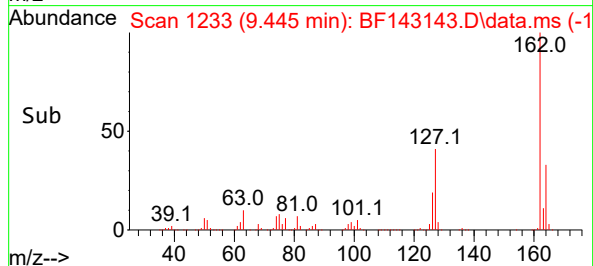
164 32.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 20.528 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

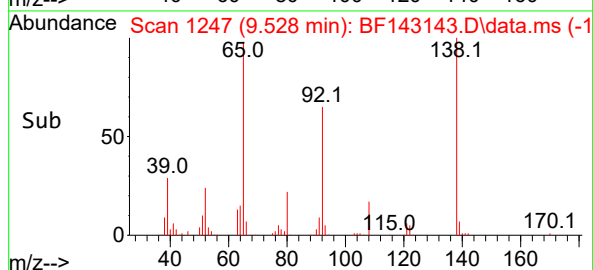
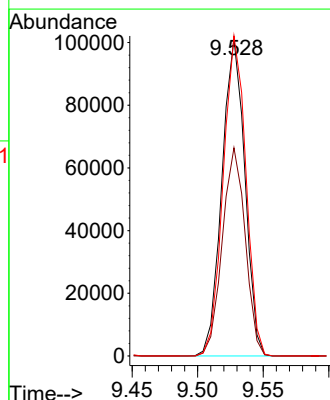
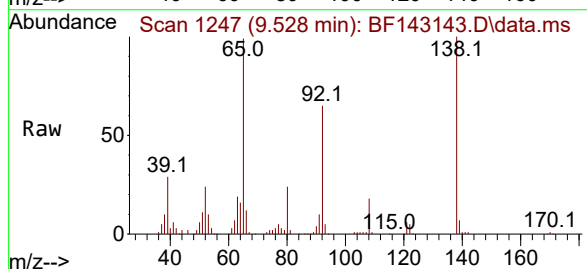
Tgt Ion: 65 Resp: 122517

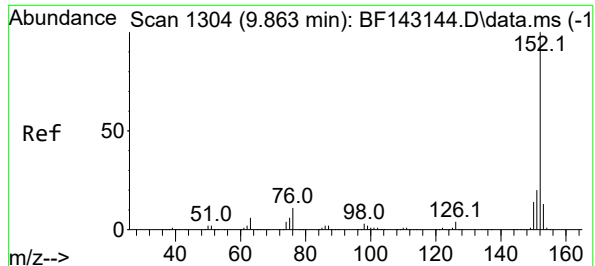
Ion Ratio Lower Upper

65 100

92 65.6 52.4 78.6

138 100.8 82.3 123.5





#49

Acenaphthylene

Concen: 20.789 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143143.D

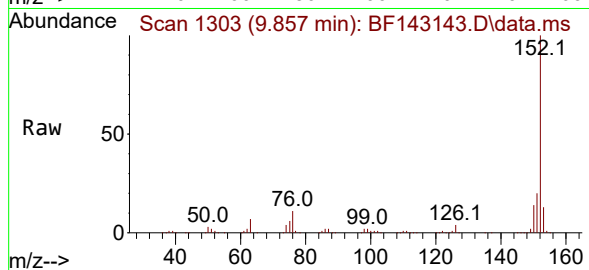
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 66304

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

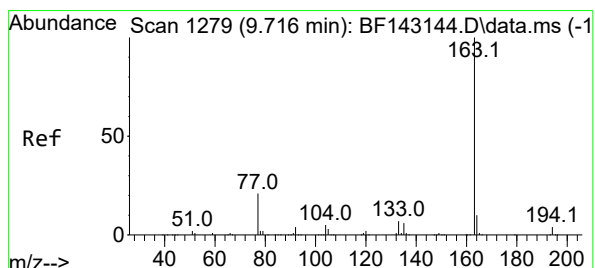
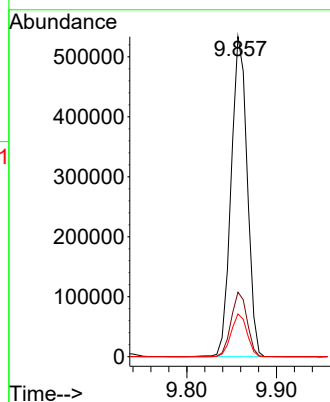
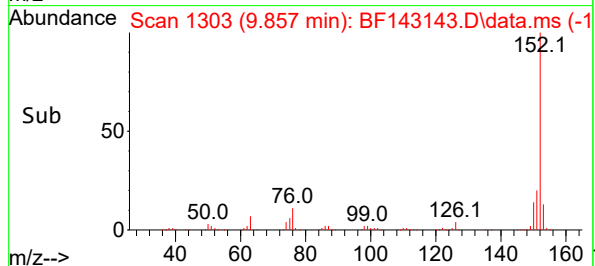
153 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

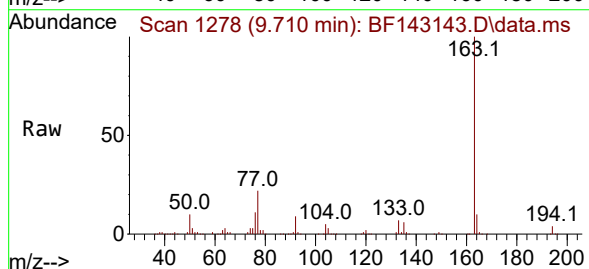
Concen: 20.558 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34



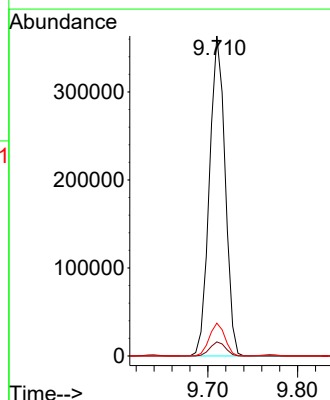
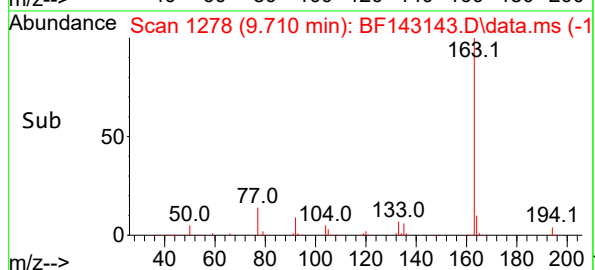
Tgt Ion:163 Resp: 441768

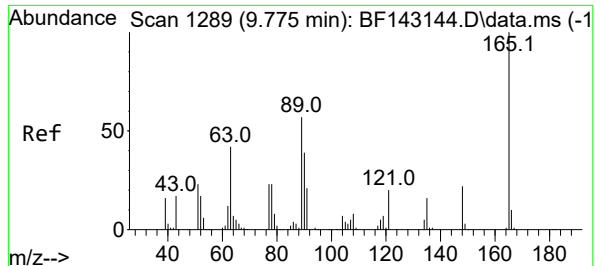
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

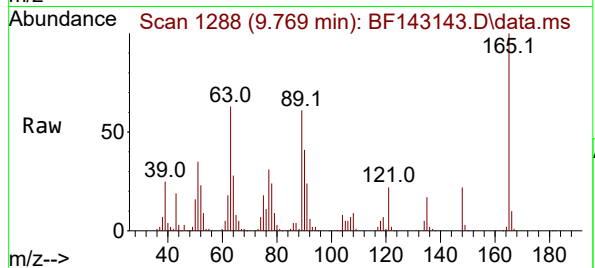
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

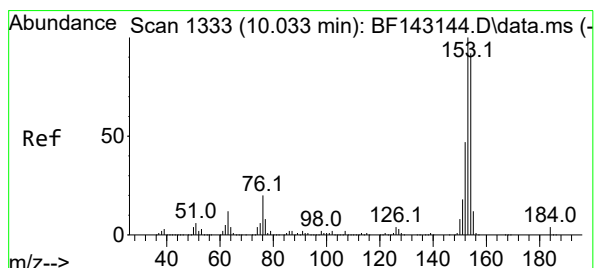
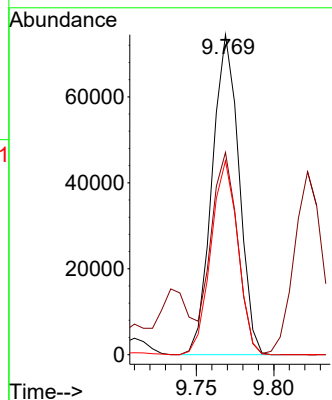
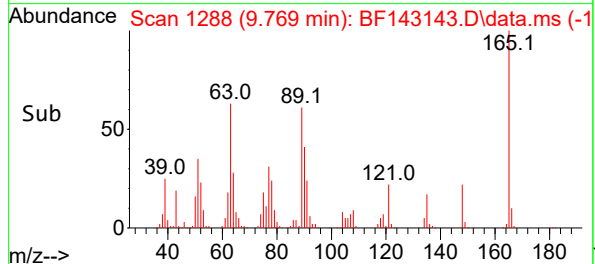
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 8974
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 60.6 46.2 69.2

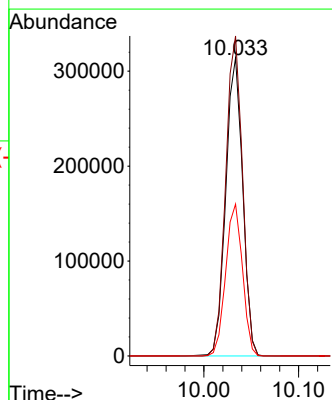
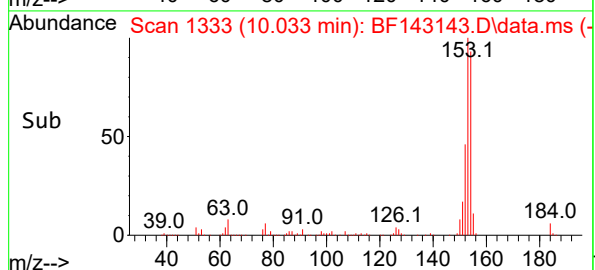
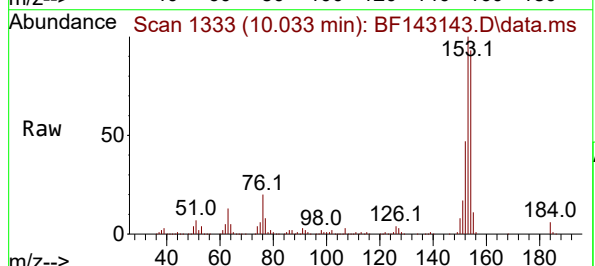
Manual Integrations
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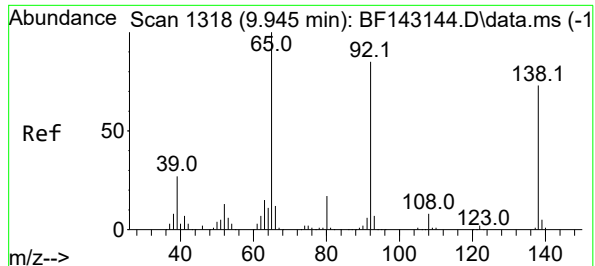
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249
Ion Ratio Lower Upper
154 100
153 107.3 86.6 129.8
152 50.9 40.4 60.6





#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

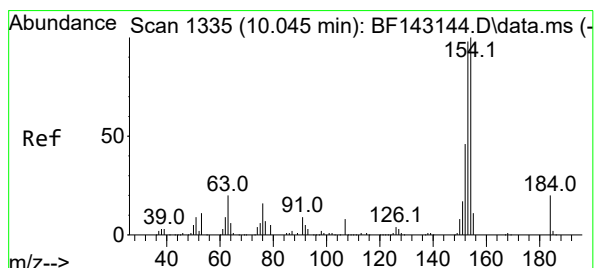
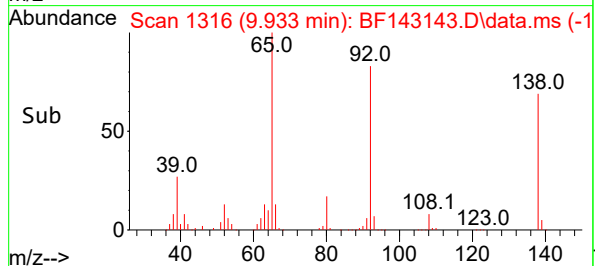
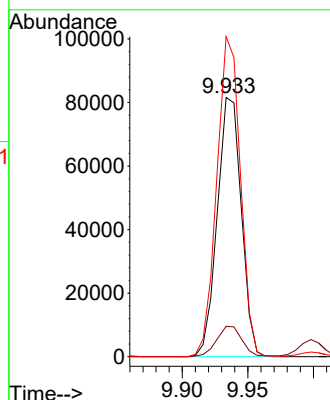
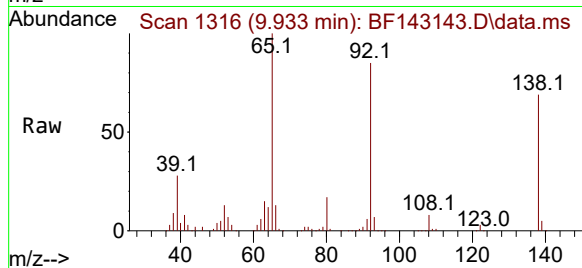
SSTDICC020

Tgt Ion:138 Resp: 103870
Ion Ratio Lower Upper
138 100
108 11.7 9.0 13.6
92 123.4 93.0 139.4

Manual Integrations

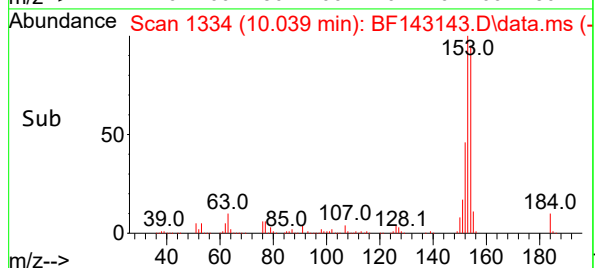
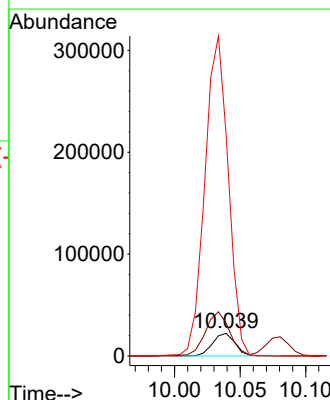
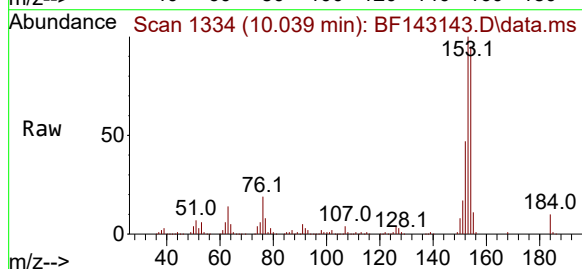
APPROVED

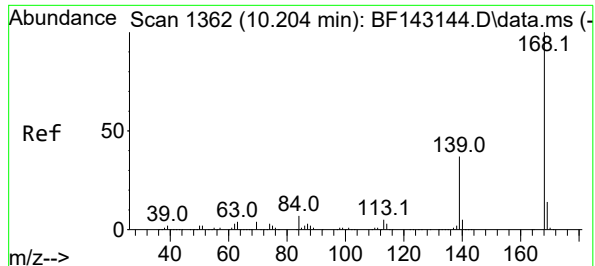
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

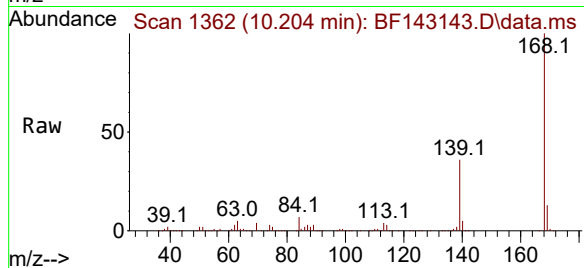
Tgt Ion:184 Resp: 26820
Ion Ratio Lower Upper
184 100
63 145.3 81.8 122.6#
154 980.0 412.2 618.4#





#55
Dibenzenofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

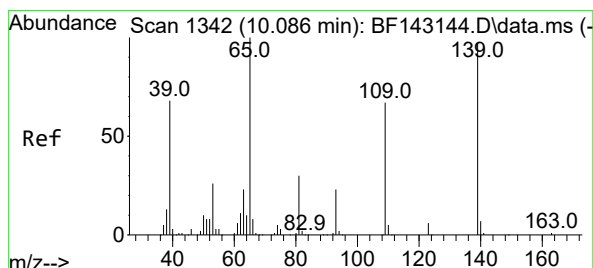
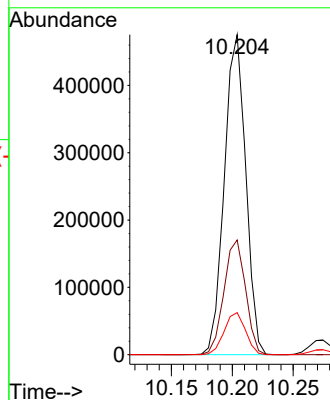
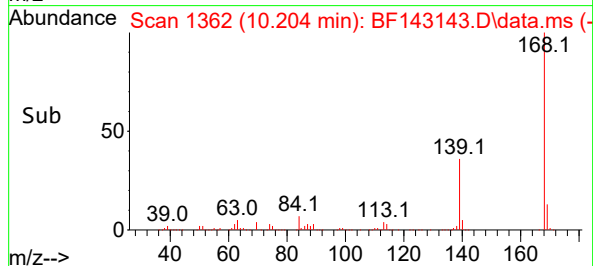
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:168 Resp: 582320
Ion Ratio Lower Upper
168 100
139 35.9 29.5 44.3
169 13.1 10.9 16.3

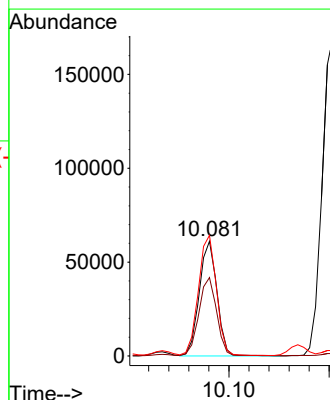
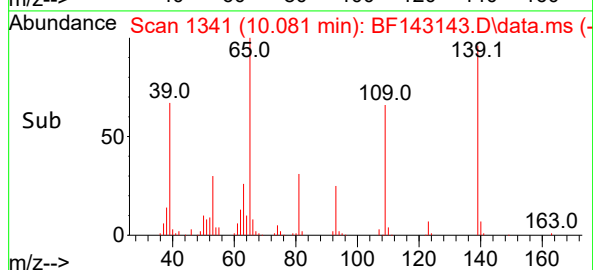
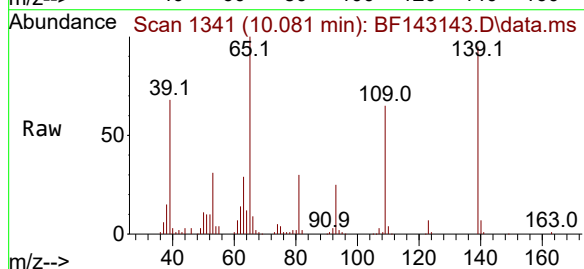
Manual Integrations
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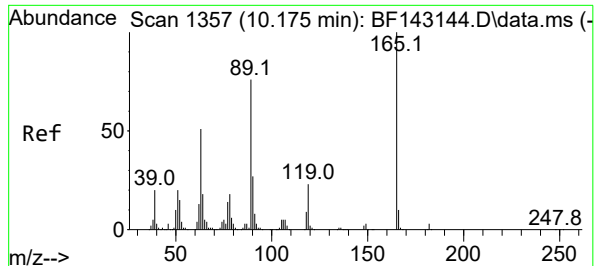
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

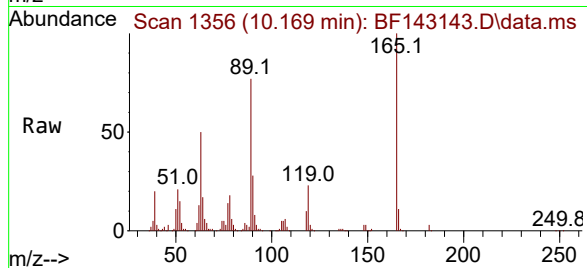
Tgt Ion:139 Resp: 75275
Ion Ratio Lower Upper
139 100
109 68.3 48.5 88.5
65 105.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 11285
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

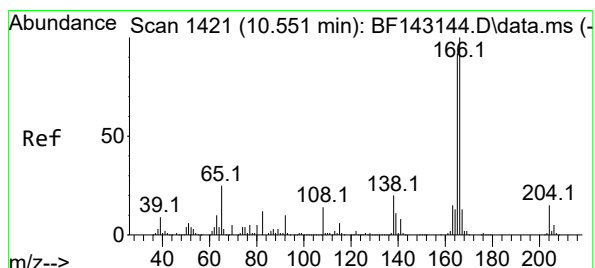
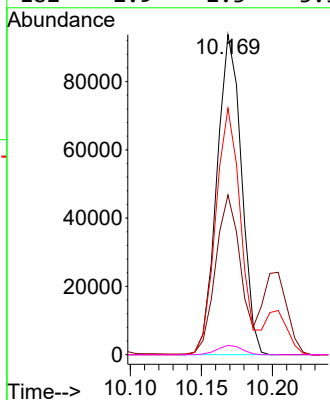
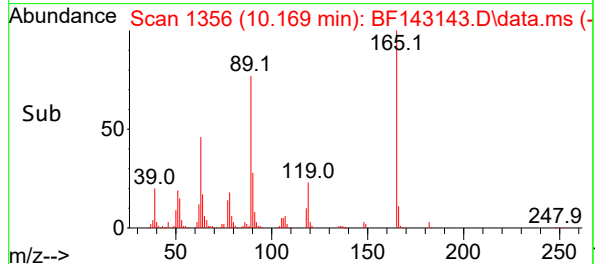
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



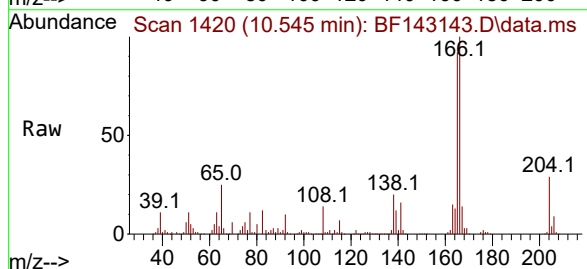
Tgt Ion:165 Resp: 11285
Ion Ratio Lower Upper
165 100
63 49.9 41.0 61.4
89 77.0 61.1 91.7
182 2.9 2.3 3.5

Manual Integrations
APPROVED

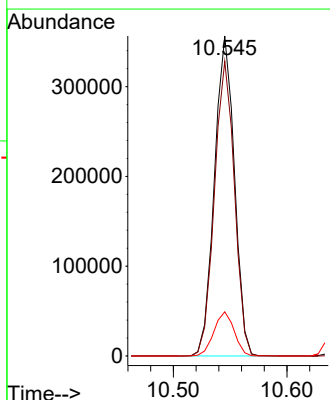
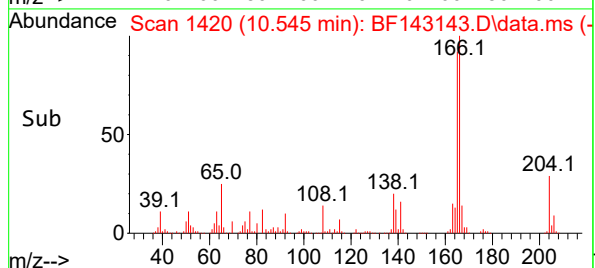
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

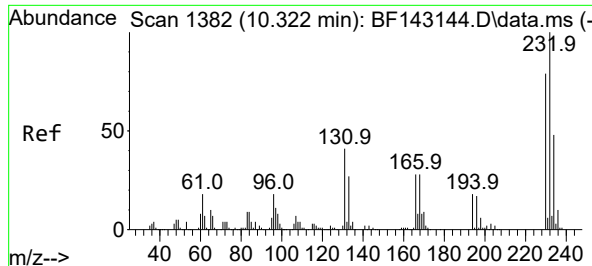


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



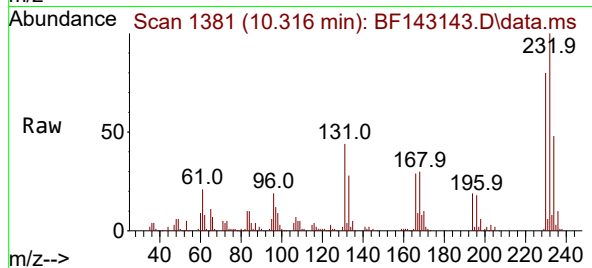
Tgt Ion:166 Resp: 435866
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

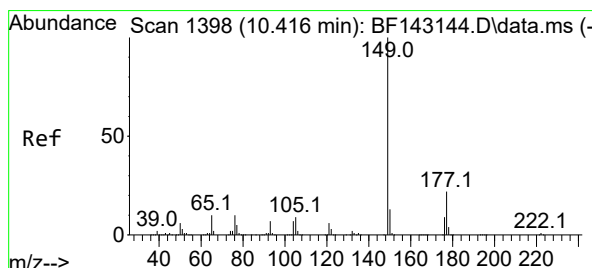
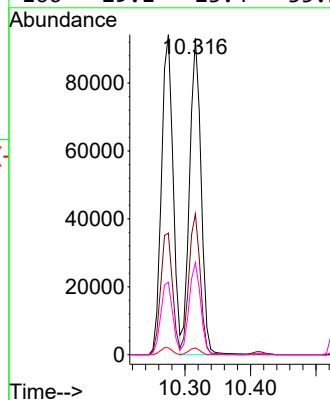
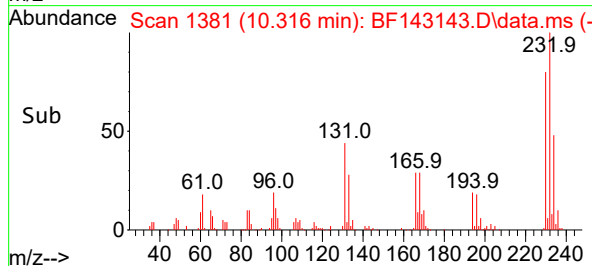
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 11385
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 29.1 23.4 35.2

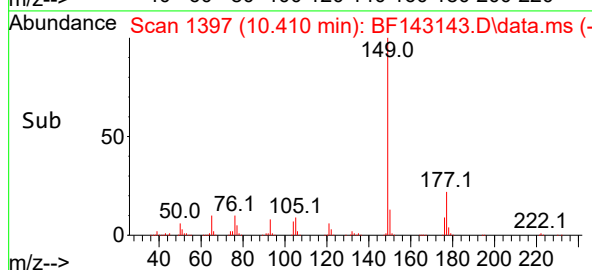
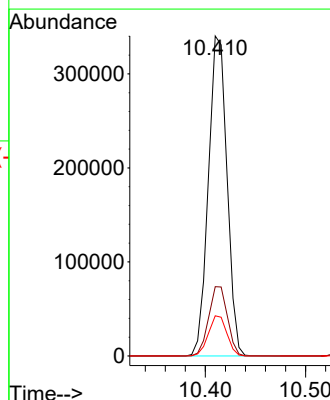
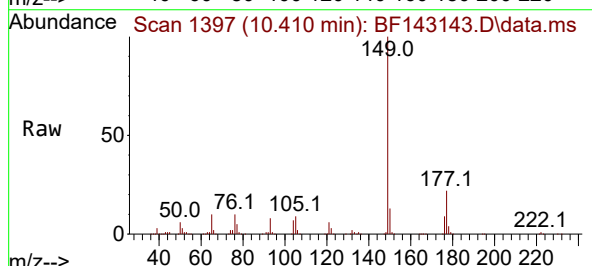
Manual Integrations
APPROVED

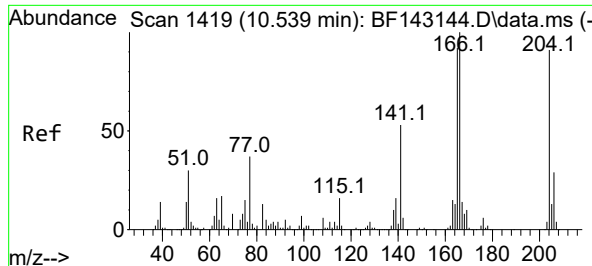
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

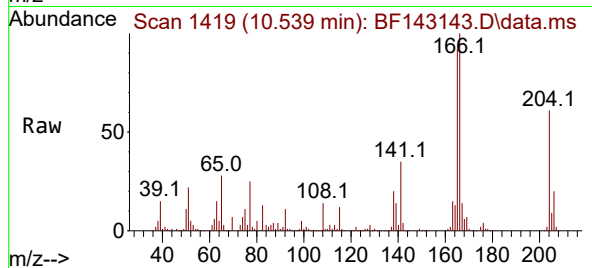
Tgt Ion:149 Resp: 440058
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

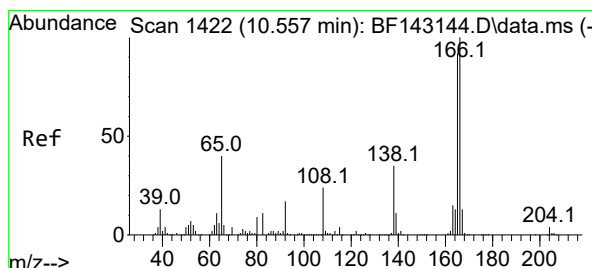
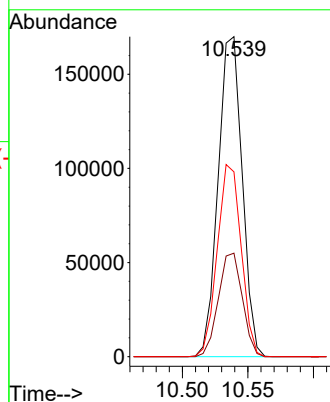
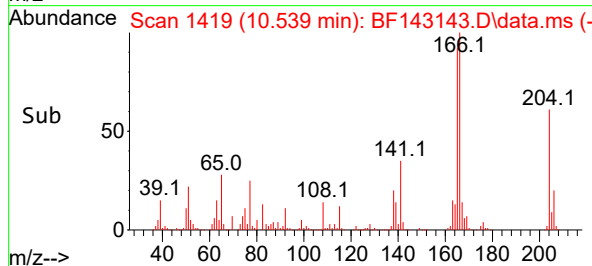
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



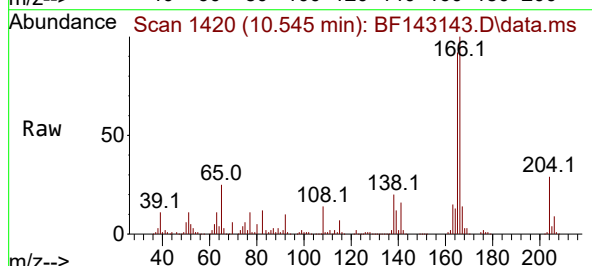
Tgt Ion:204 Resp: 216490
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.8 47.0 70.4

Manual Integrations
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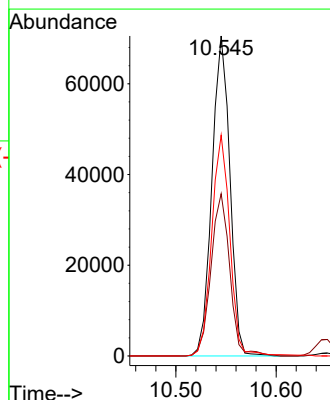
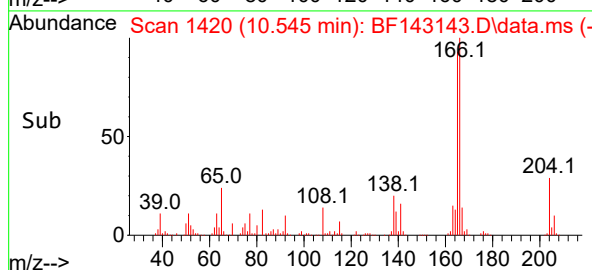
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

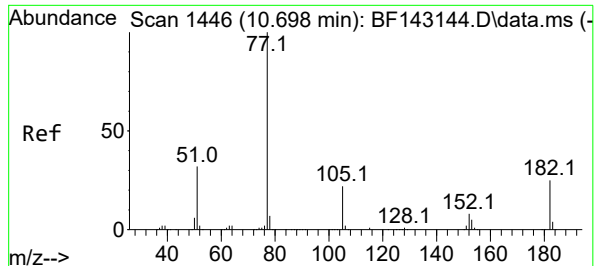


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



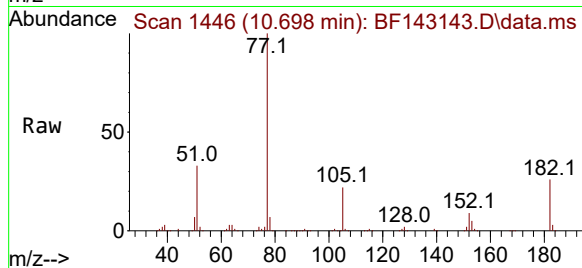
Tgt Ion:138 Resp: 87666
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.0 48.3 88.3





#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

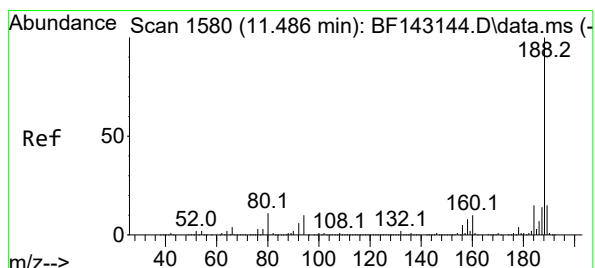
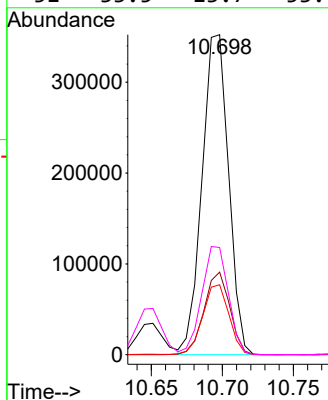
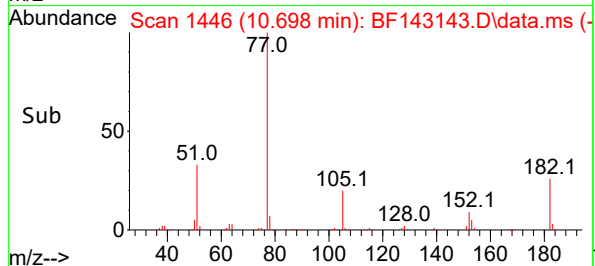
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



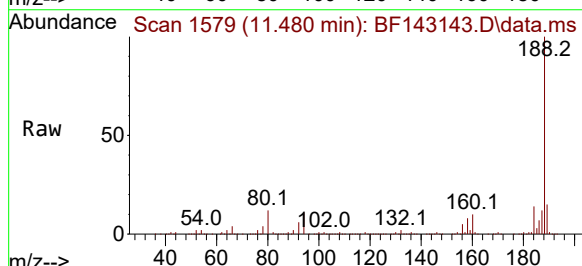
Tgt Ion: 77 Resp: 45801
Ion Ratio Lower Upper
77 100
182 25.8 4.6 44.6
105 21.8 1.4 41.4
51 33.5 13.7 53.7

Manual Integrations
APPROVED

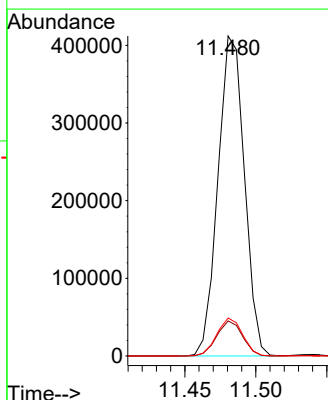
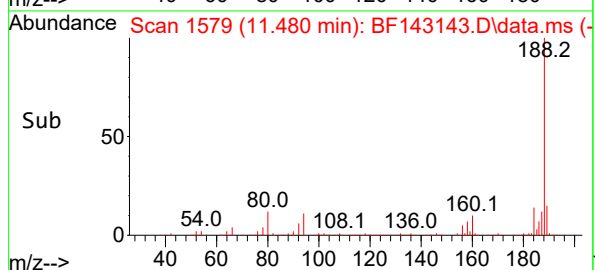
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

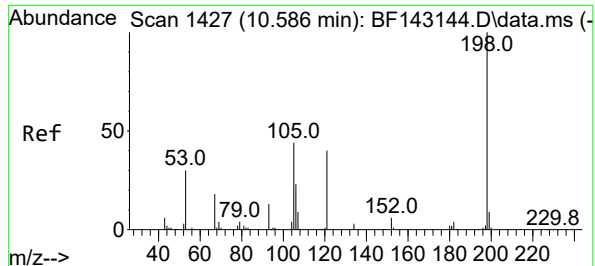


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:188 Resp: 532921
Ion Ratio Lower Upper
188 100
94 11.0 8.3 12.5
80 11.9 9.0 13.6





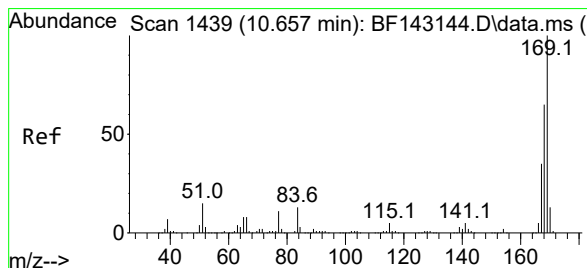
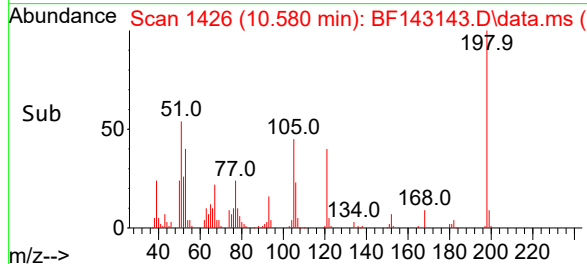
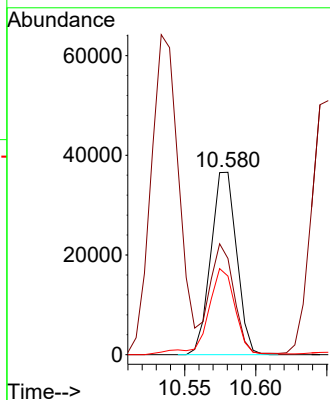
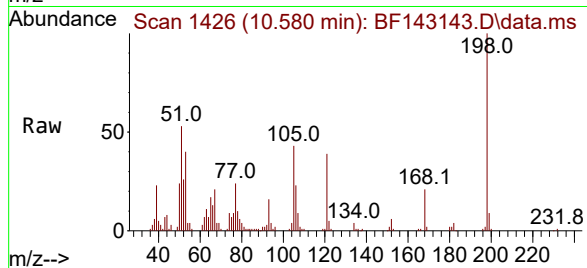
#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 4612
Ion Ratio Lower Upper
198 100
51 52.7 37.2 77.2
105 43.1 24.8 64.8

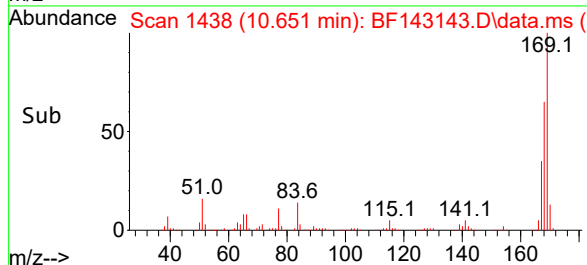
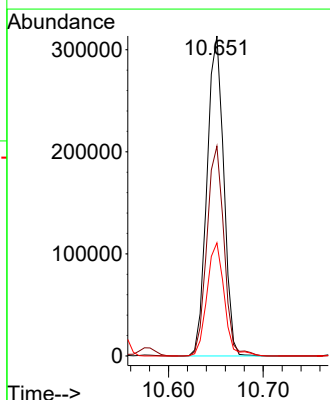
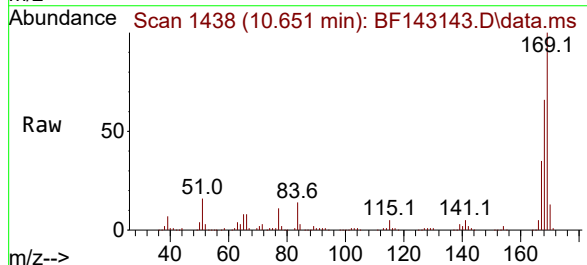
Manual Integrations
APPROVED

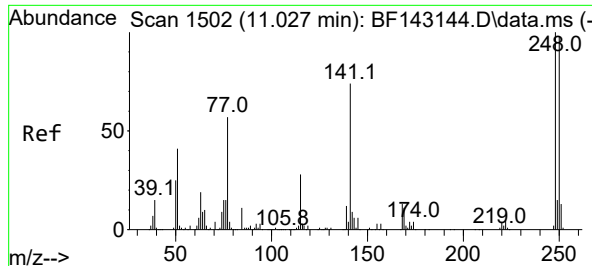
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

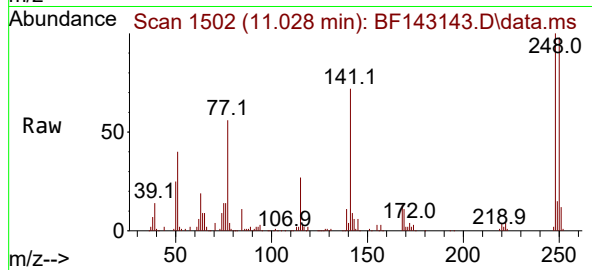
Tgt Ion:169 Resp: 384467
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.4 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

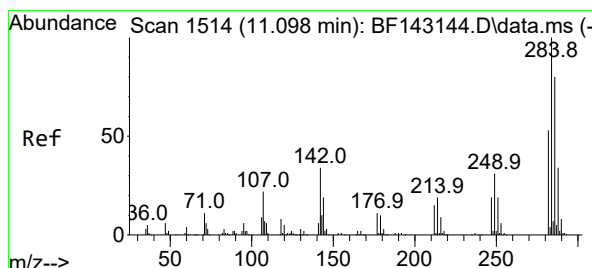
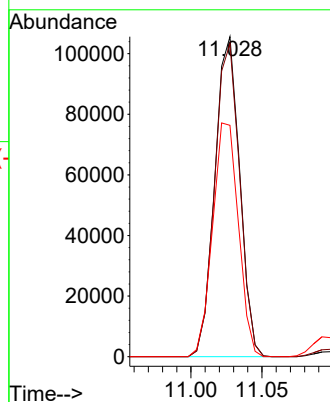
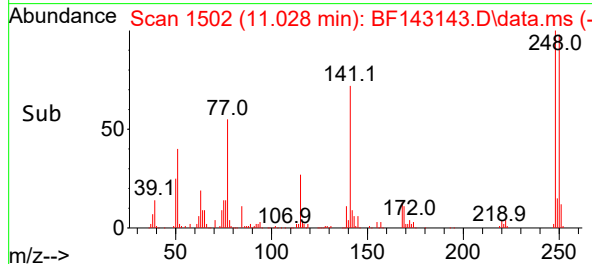
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



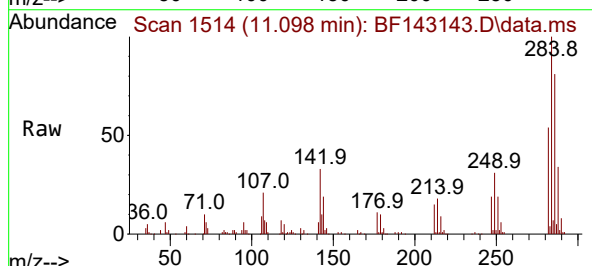
Tgt Ion:248 Resp: 12866
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 72.3 59.2 88.8

Manual Integrations
APPROVED

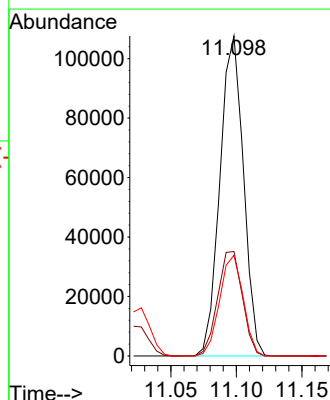
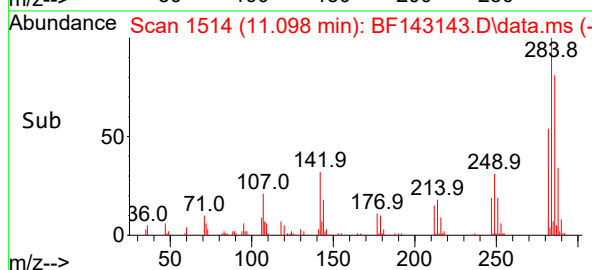
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

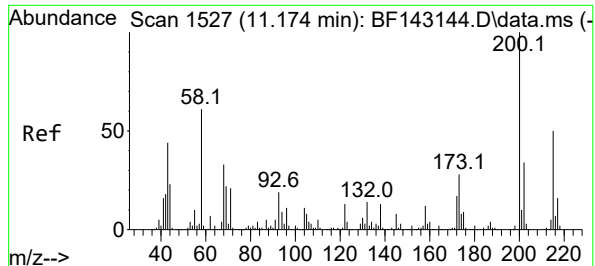


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



Tgt Ion:284 Resp: 134031
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 20.370 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 105380

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

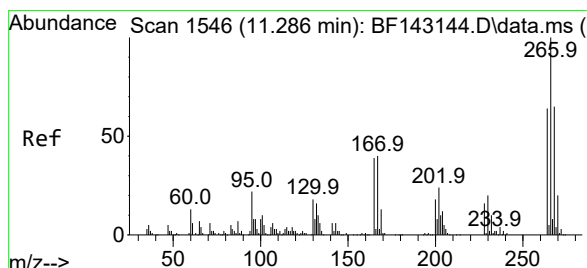
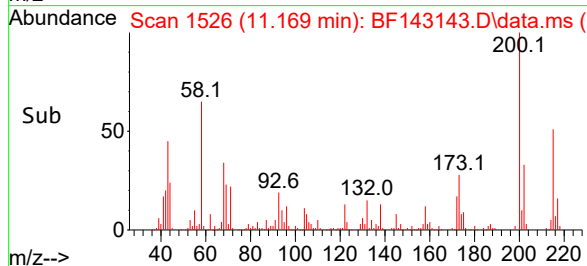
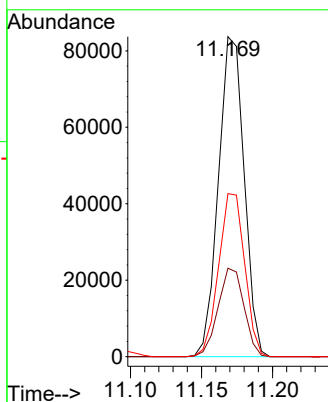
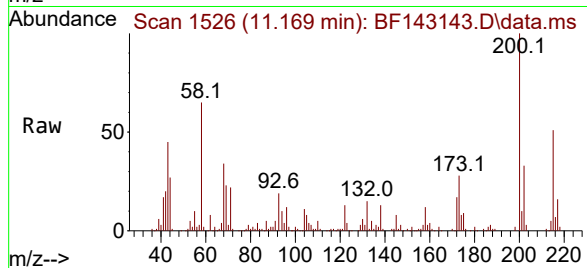
215 51.0 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 19.957 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

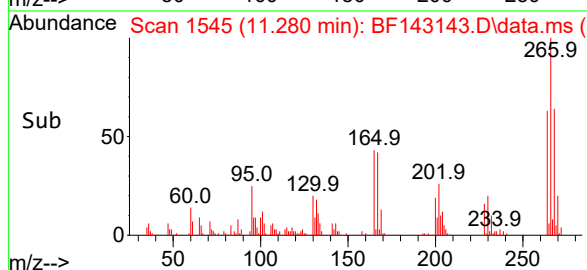
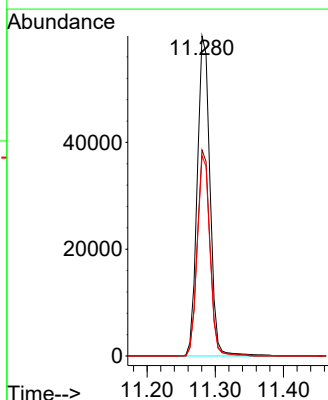
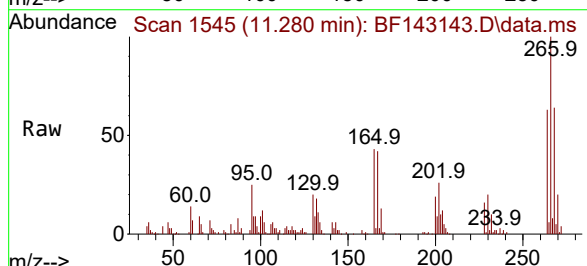
Tgt Ion:266 Resp: 77906

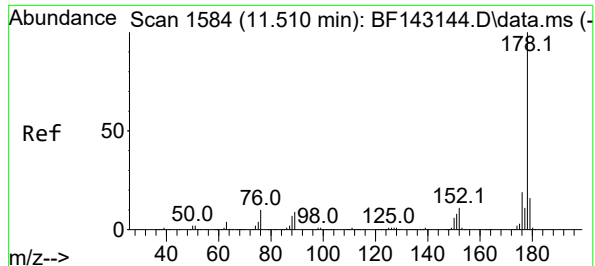
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

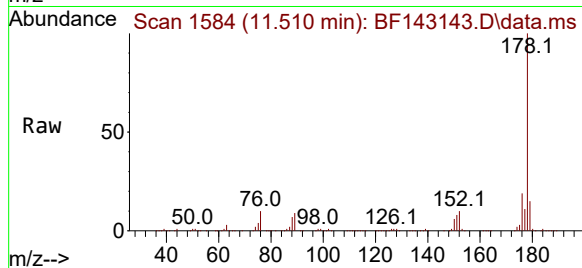
264 62.6 51.0 76.6





#71
Phenanthrene
Concen: 21.042 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

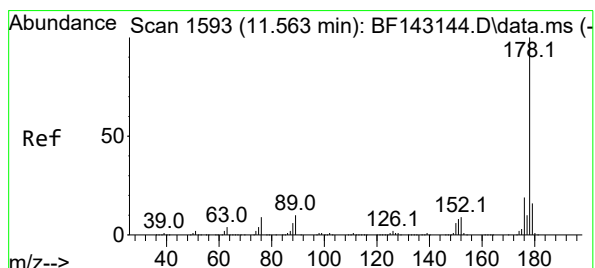
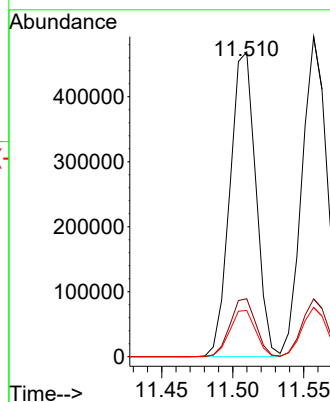
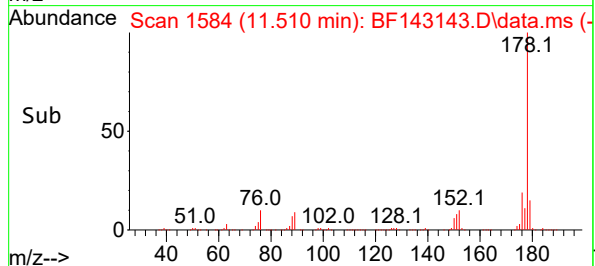
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 59541
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.5 18.7

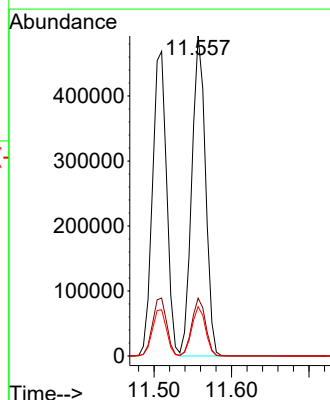
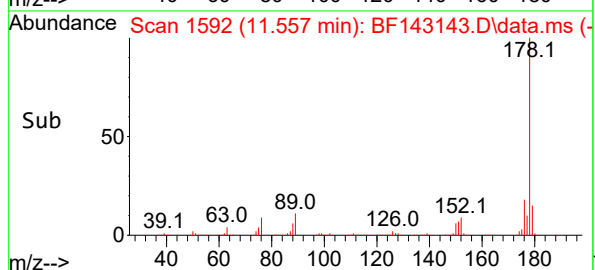
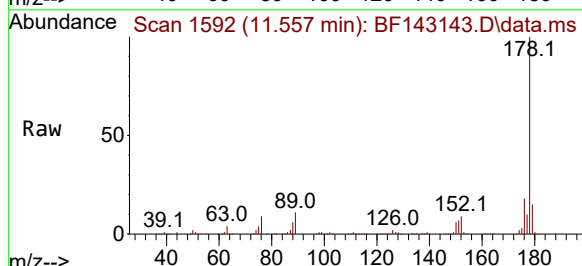
Manual Integrations
APPROVED

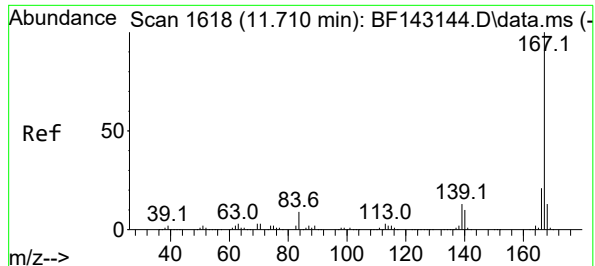
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

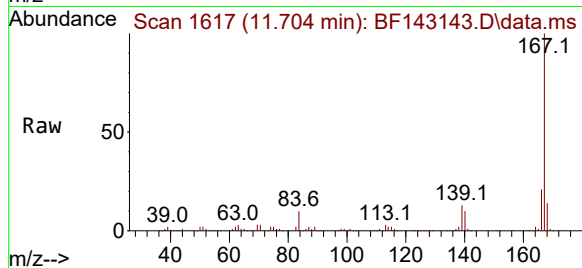
Tgt Ion:178 Resp: 604416
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.4 12.5 18.7





#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

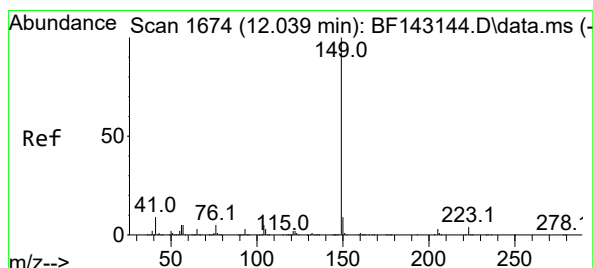
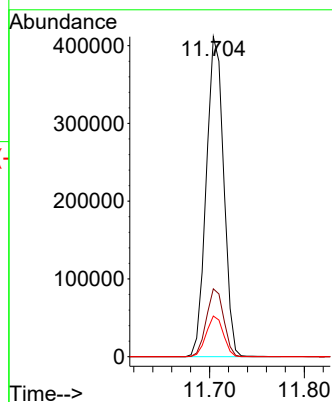
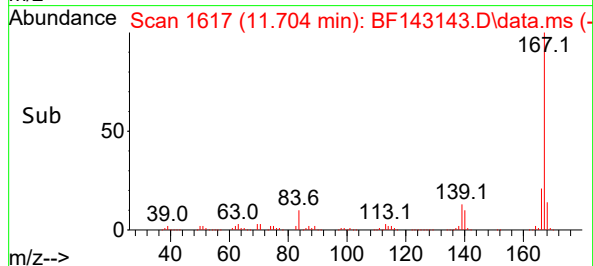
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



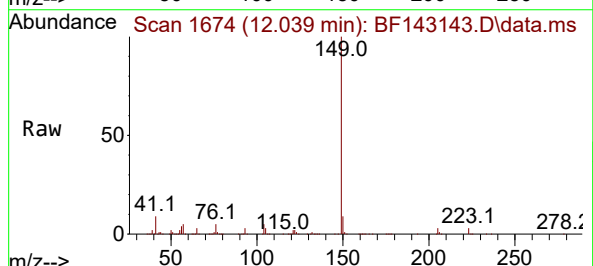
Tgt Ion:167 Resp: 52336
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.7 10.0 15.0

Manual Integrations
APPROVED

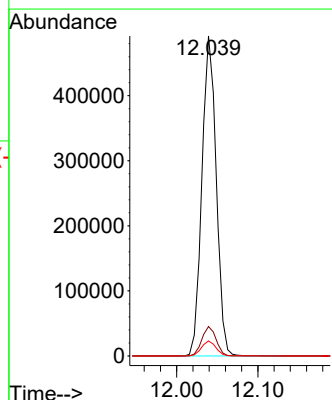
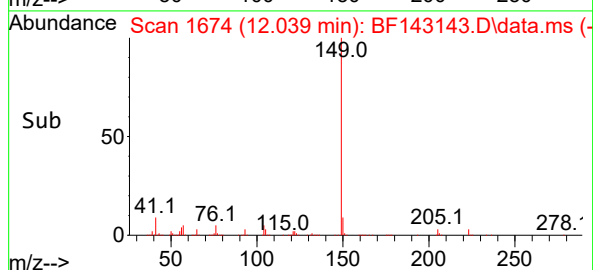
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

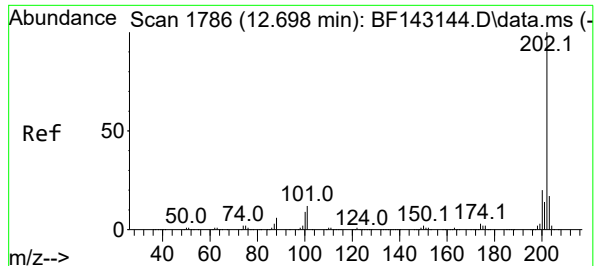


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34



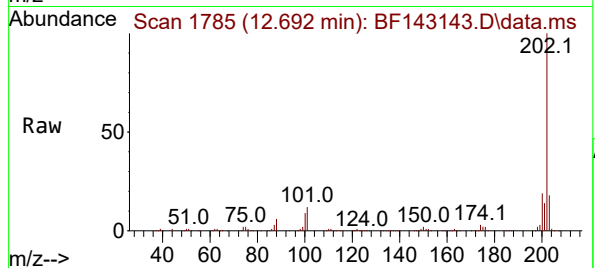
Tgt Ion:149 Resp: 601867
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

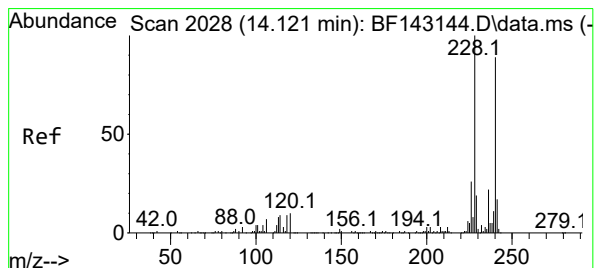
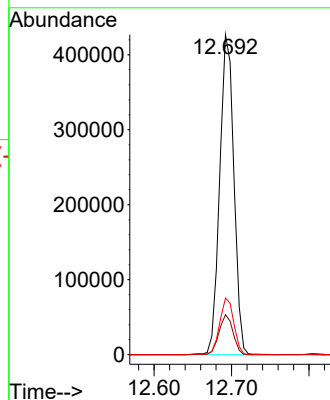
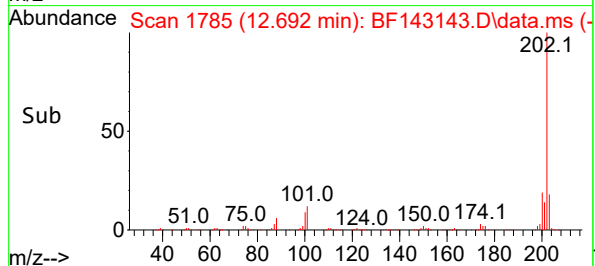
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 542662
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.7
203 17.7 0.0 37.4

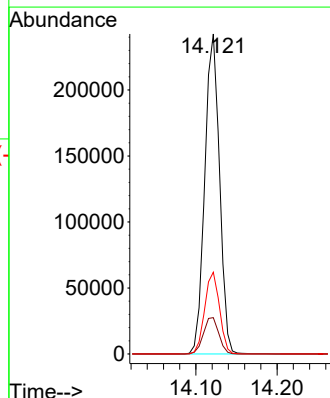
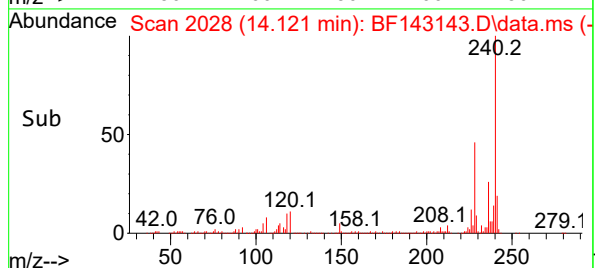
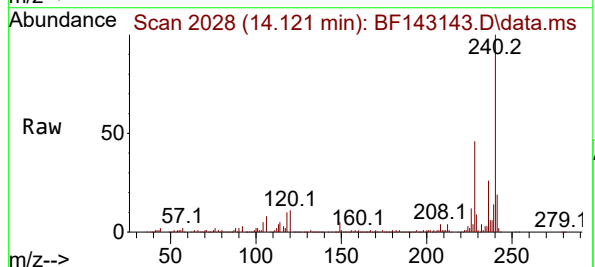
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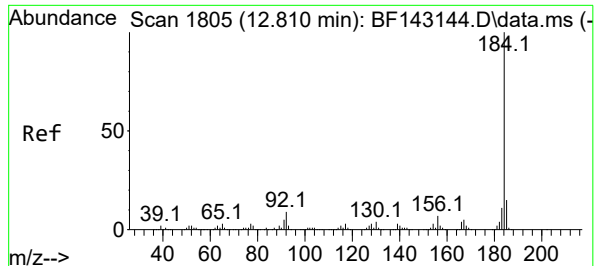
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

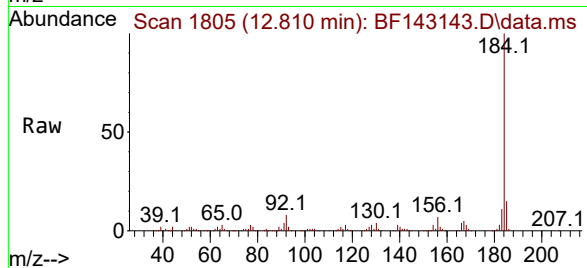
Tgt Ion:240 Resp: 305398
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.2
236 25.5 20.2 30.4





#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

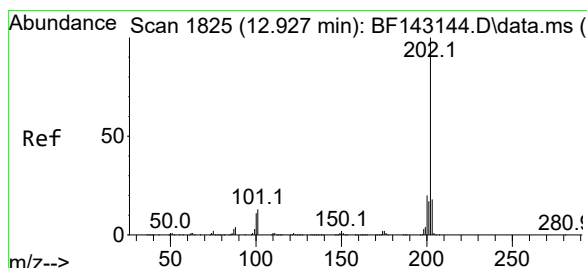
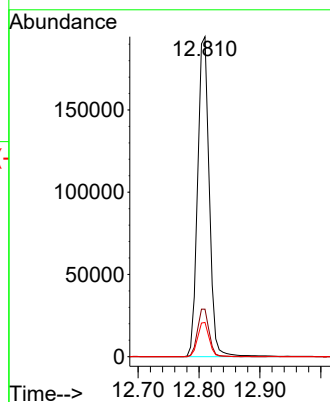
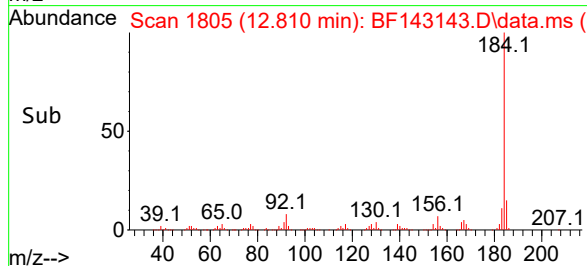
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 257904
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.4
183 10.7 9.0 13.4

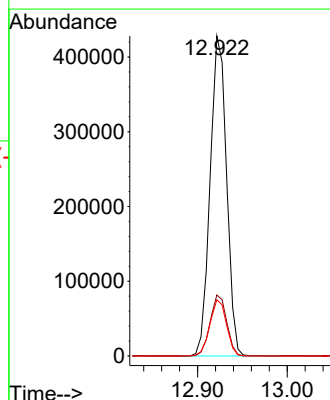
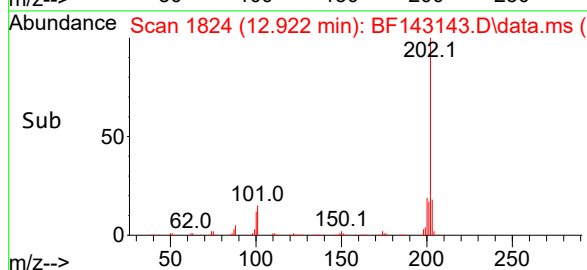
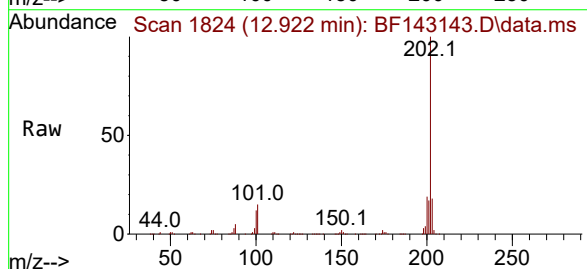
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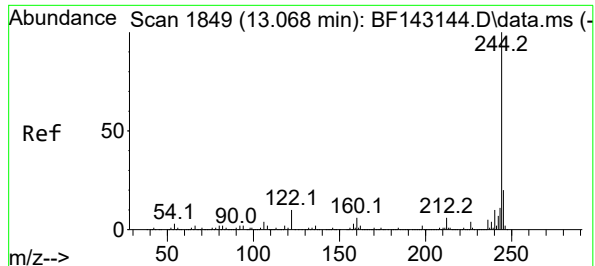
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:202 Resp: 544650
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 42.238 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:244 Resp: 866830

Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

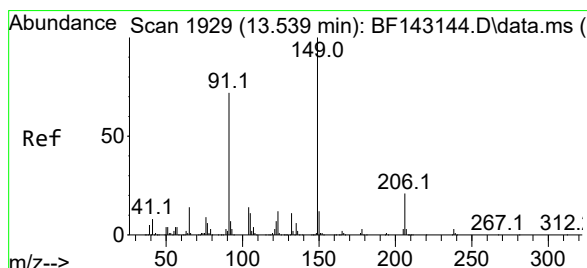
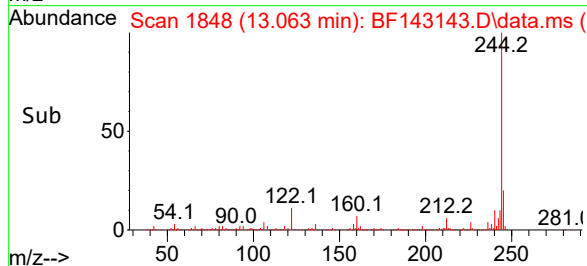
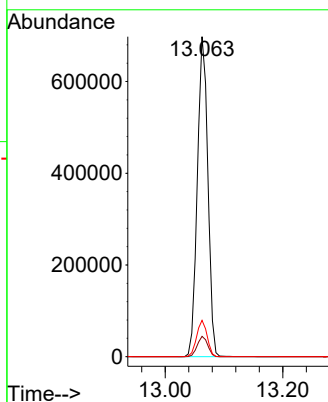
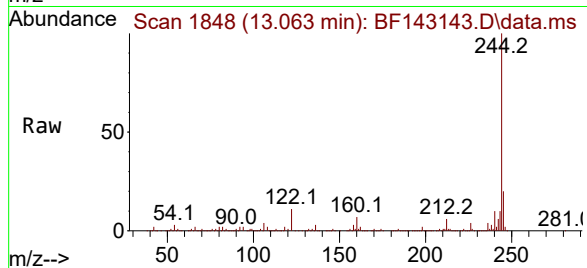
122 11.3 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 20.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

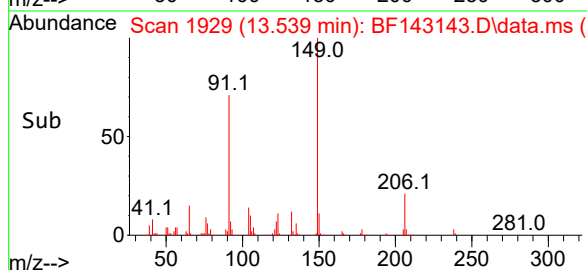
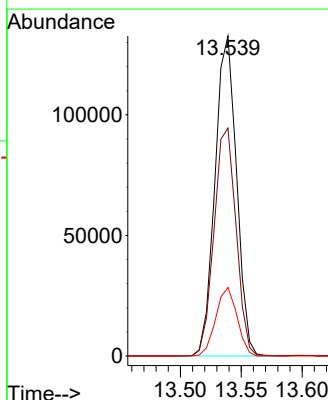
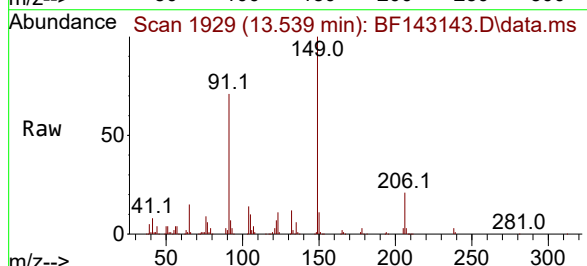
Tgt Ion:149 Resp: 163546

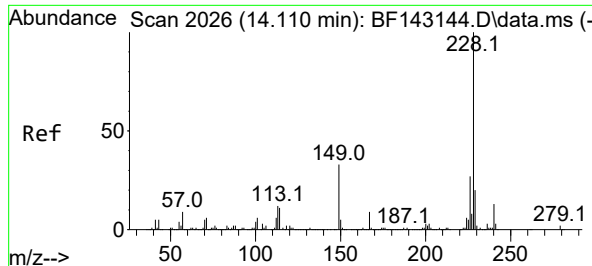
Ion Ratio Lower Upper

149 100

91 71.2 57.9 86.9

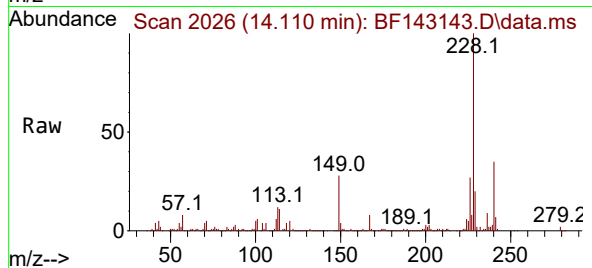
206 21.4 17.0 25.4





#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

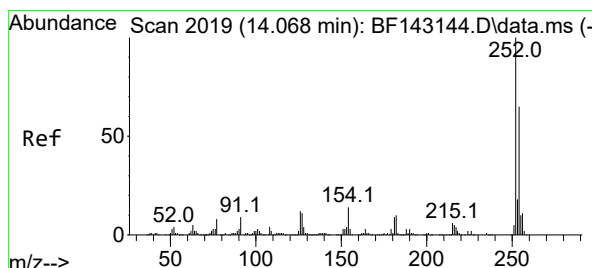
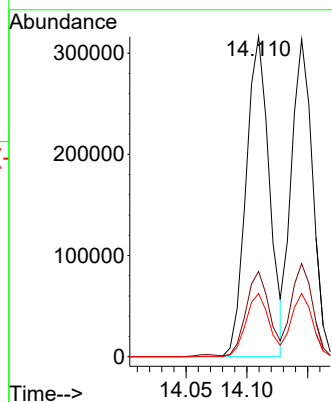
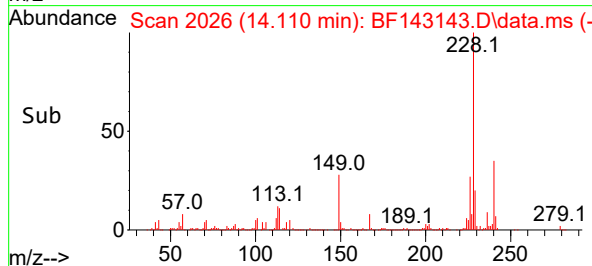
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 42179
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.8 15.8 23.6

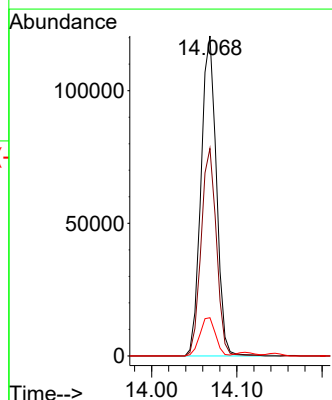
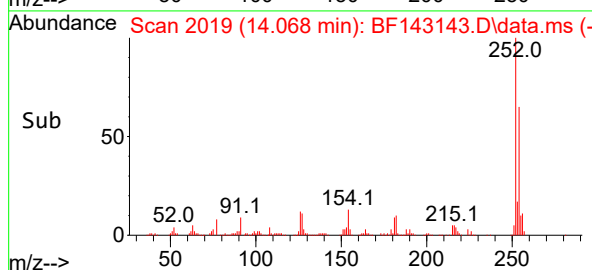
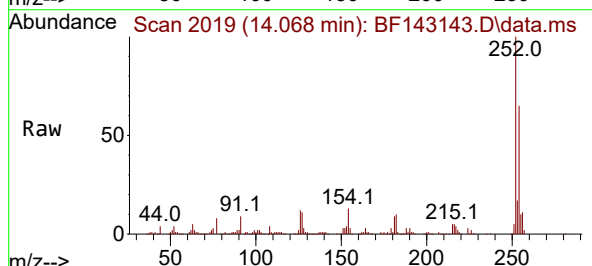
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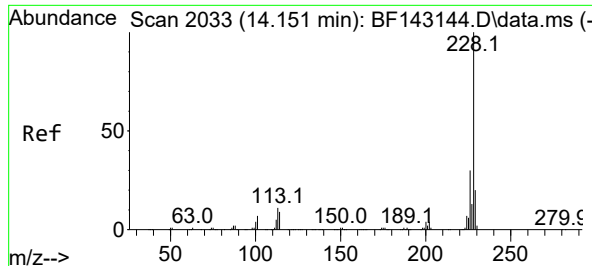
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153
Ion Ratio Lower Upper
252 100
254 64.9 51.7 77.5
126 12.0 9.4 14.0





#83

Chrysene

Concen: 20.714 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:228 Resp: 380799

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

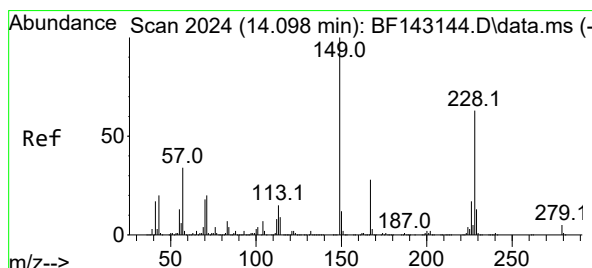
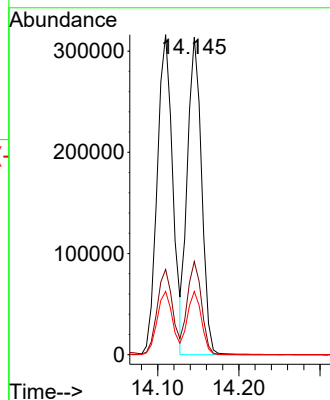
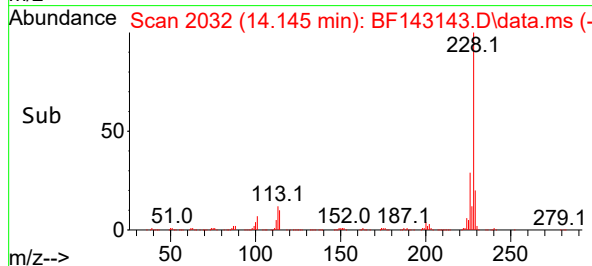
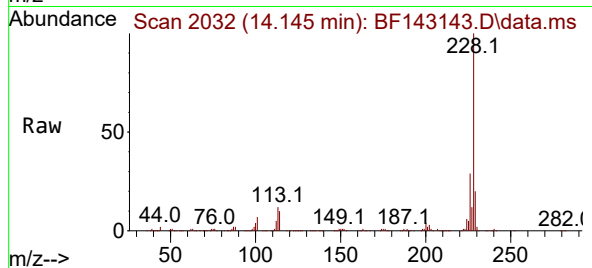
229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.839 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

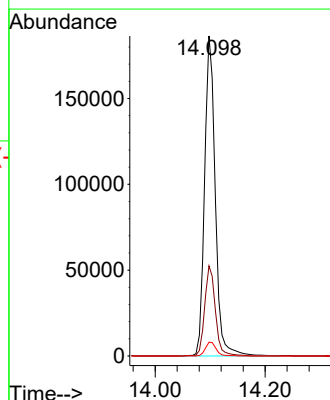
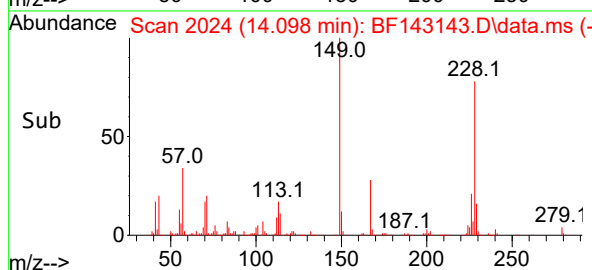
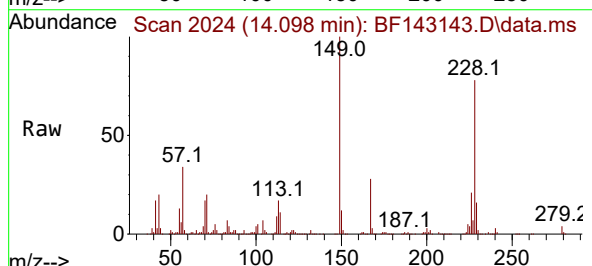
Tgt Ion:149 Resp: 251739

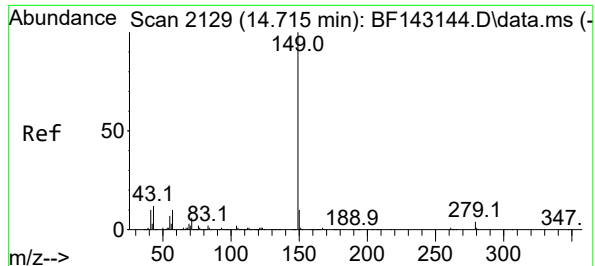
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

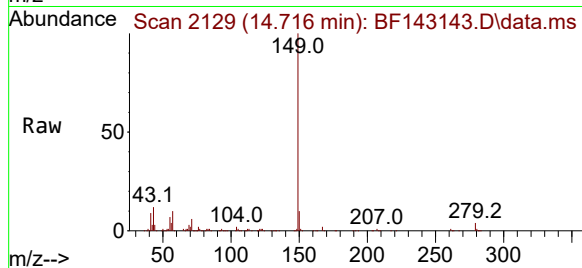
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

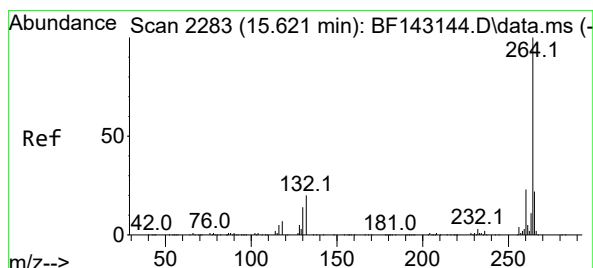
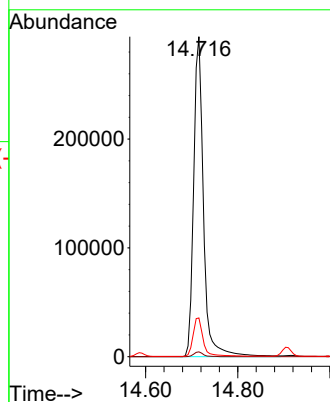
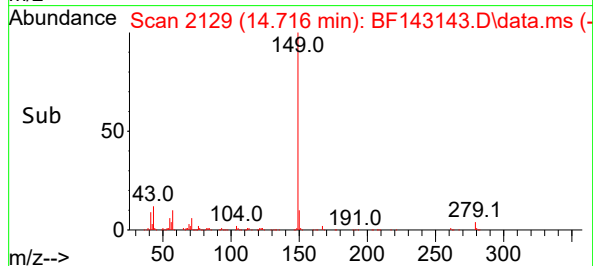
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 436102
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.4 9.7 14.5

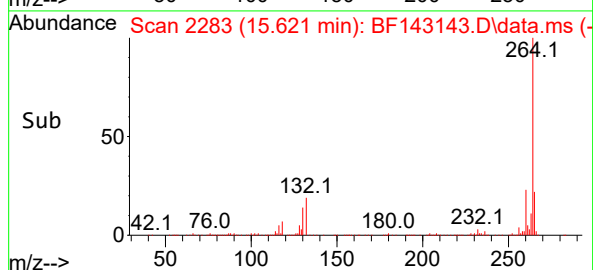
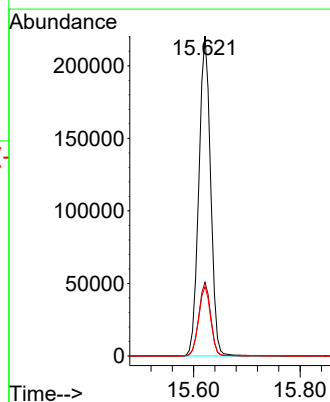
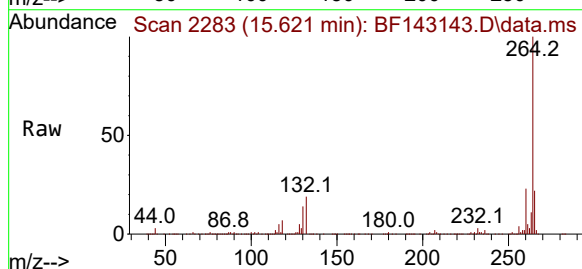
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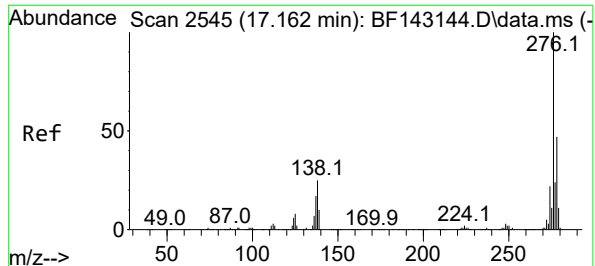
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

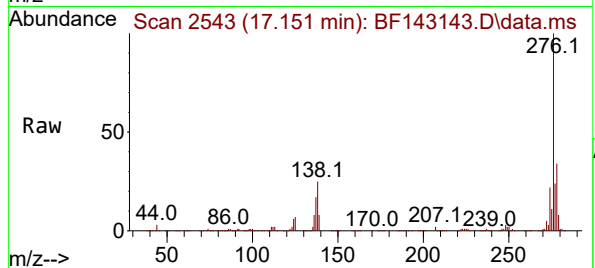
Tgt Ion:264 Resp: 338518
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

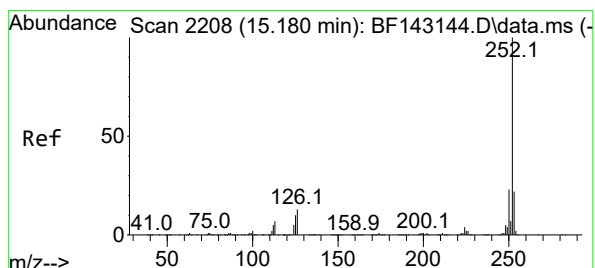
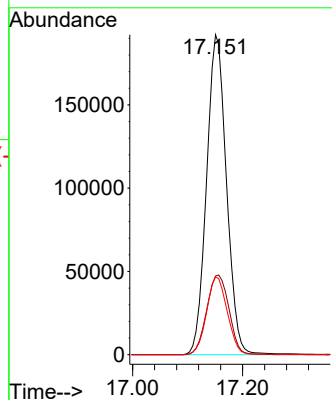
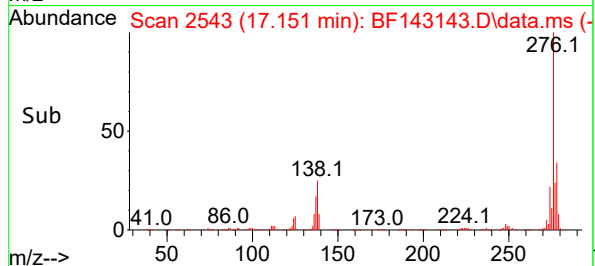
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 484240
Ion Ratio Lower Upper
276 100
138 27.8 21.8 32.6
277 25.3 20.0 30.0

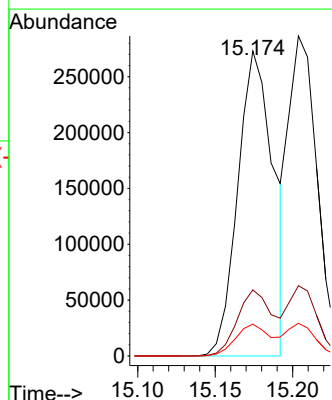
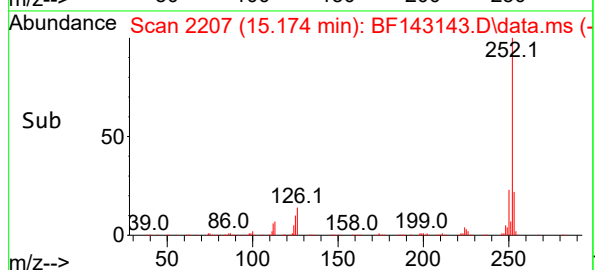
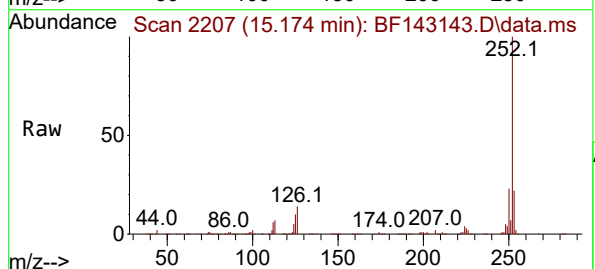
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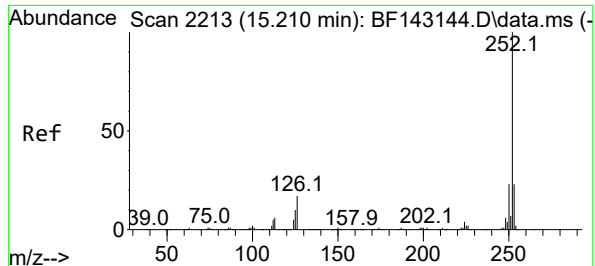
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 435747
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 20.044 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 369899

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

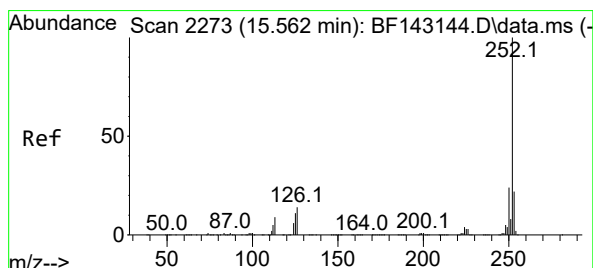
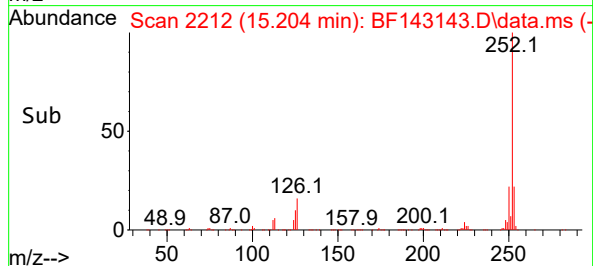
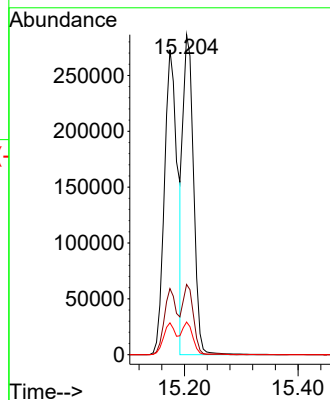
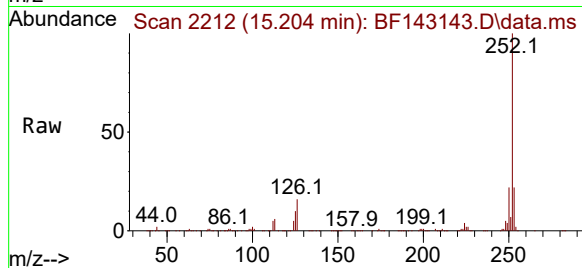
125 10.2 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 20.371 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143143.D

Acq: 17 Jul 2025 12:34

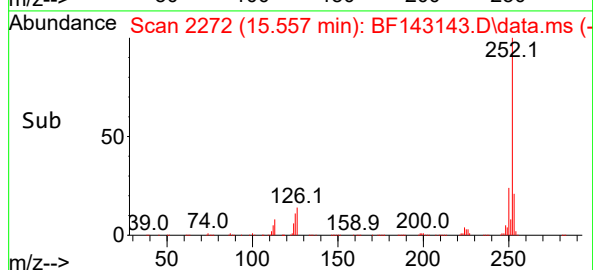
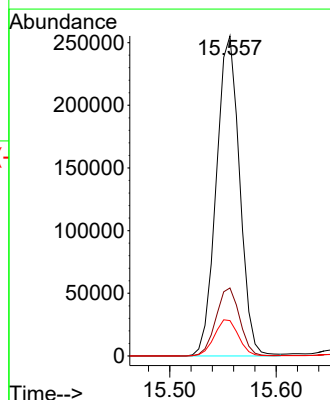
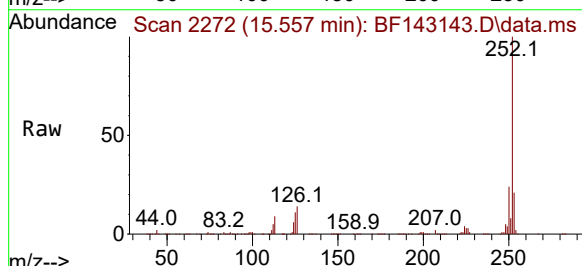
Tgt Ion:252 Resp: 388136

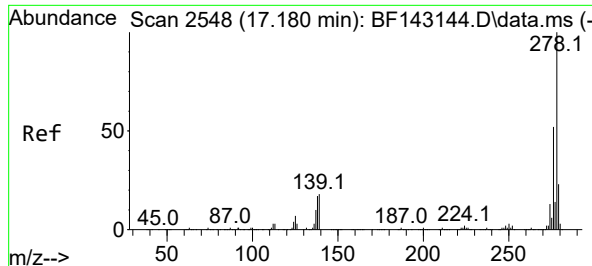
Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

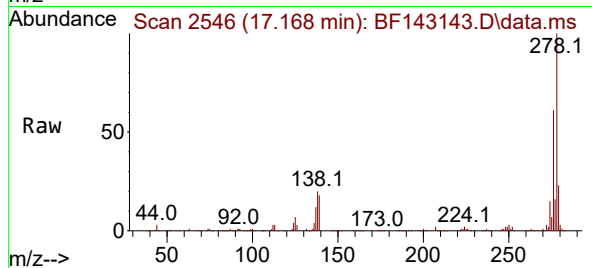
125 11.0 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

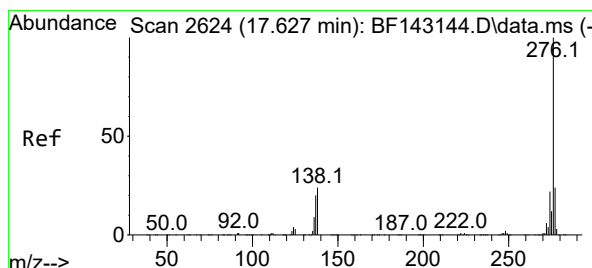
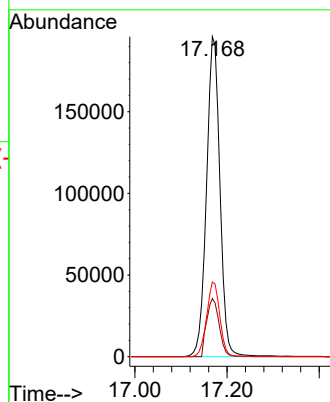
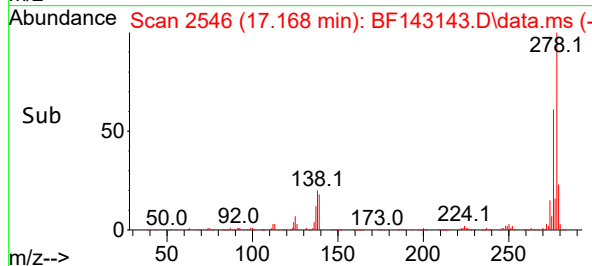
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 398949
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 23.4 18.6 28.0

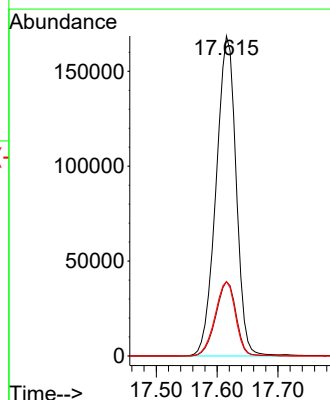
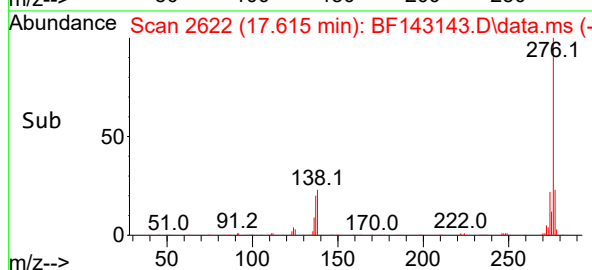
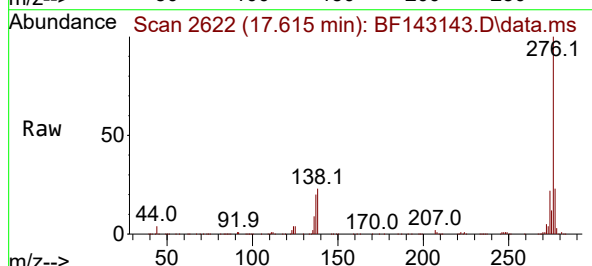
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 23.3 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	571741m	39.487	ng	
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	230958m	39.680	ng	
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143144.D
 Acq On : 17 Jul 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:03:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

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

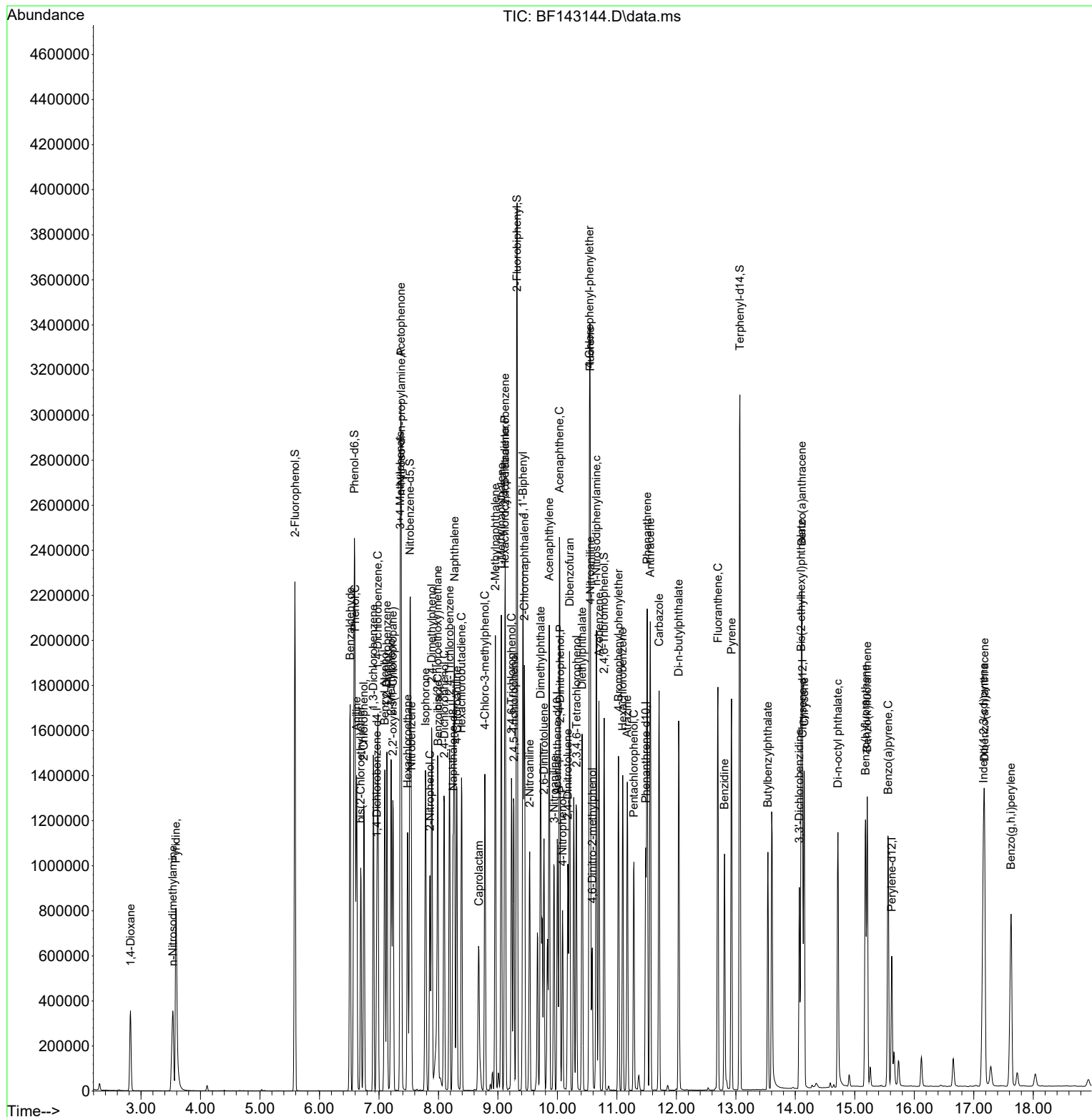
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Acq On    : 17 Jul 2025   13:03  
Operator  : RC/JU  
Sample    : SSTDICCC040  
Misc      :  
ALS Vial  : 7    Sample Multiplier: 1
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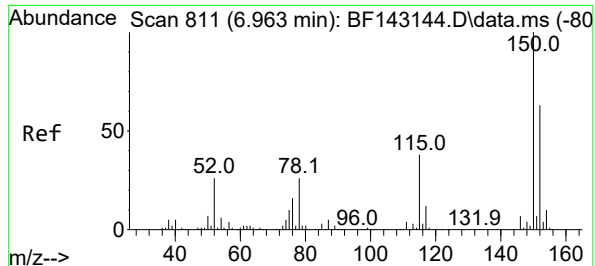
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025

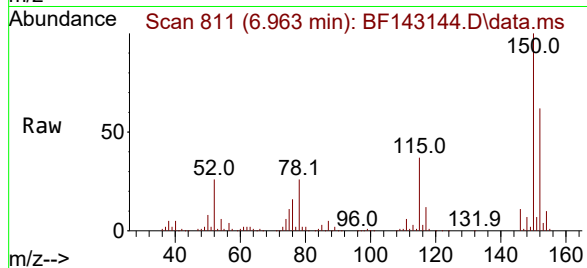
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

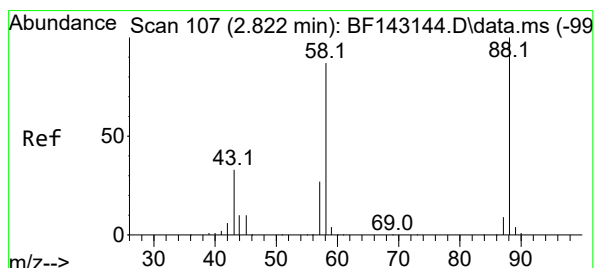
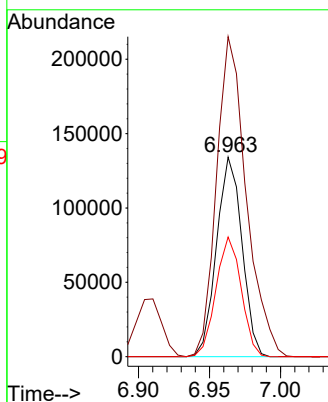
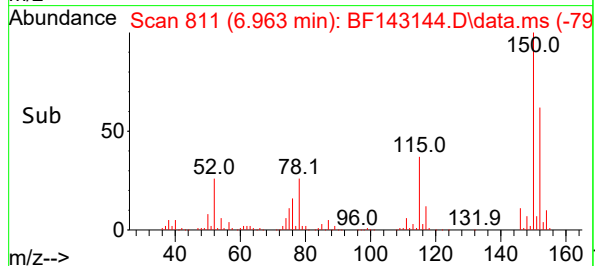
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:152 Resp: 167098
Ion Ratio Lower Upper
152 100
150 160.3 128.2 192.4
115 59.9 47.9 71.9

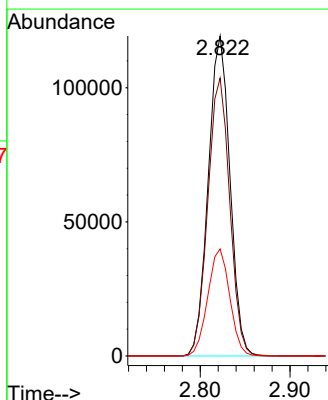
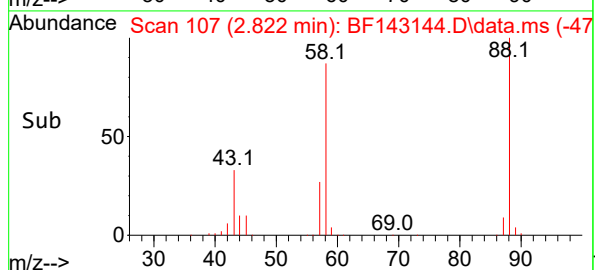
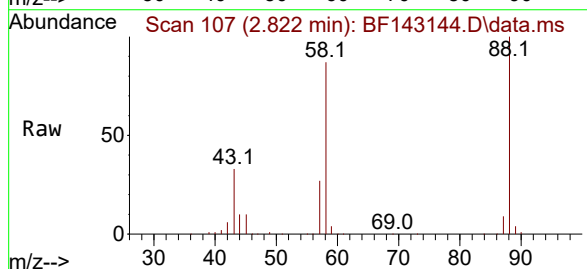
Manual Integrations
APPROVED

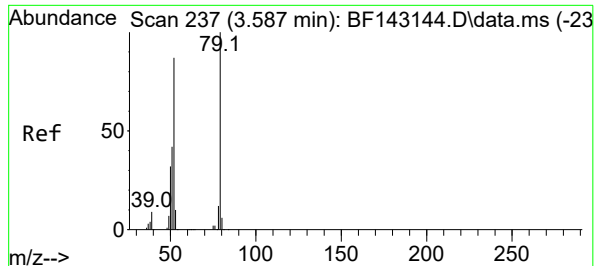
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

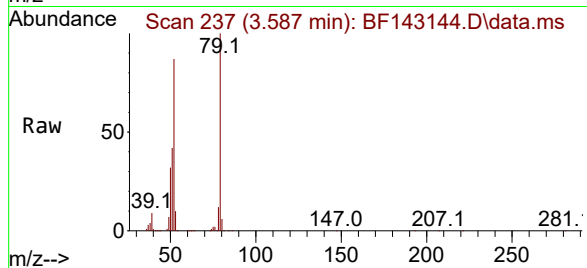
Tgt Ion: 88 Resp: 200396
Ion Ratio Lower Upper
88 100
58 87.7 70.2 105.2
43 33.9 27.1 40.7





#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

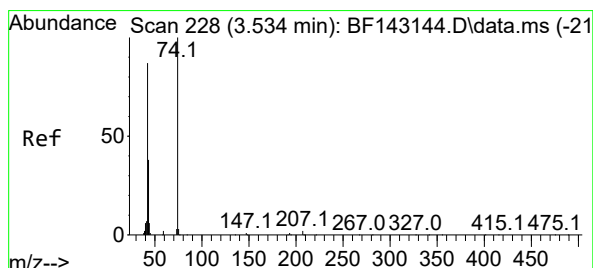
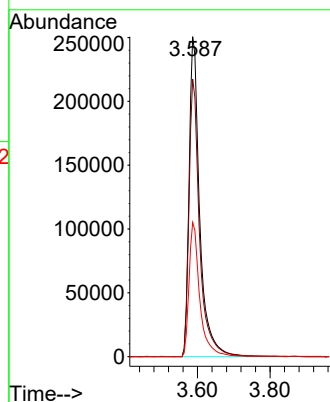
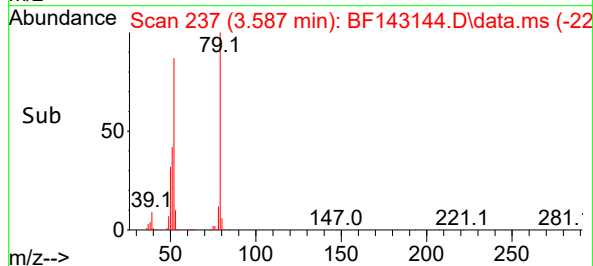
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 51141
Ion Ratio Lower Upper
79 100
52 86.8 69.4 104.2
51 41.9 33.5 50.3

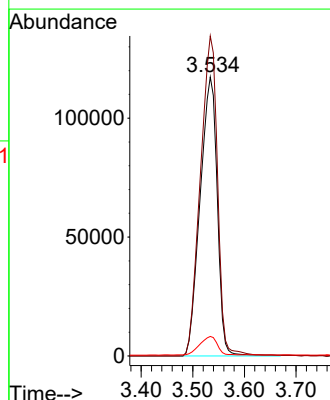
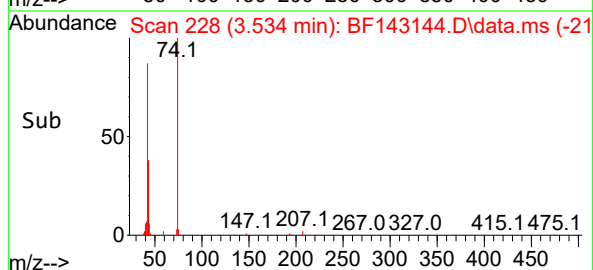
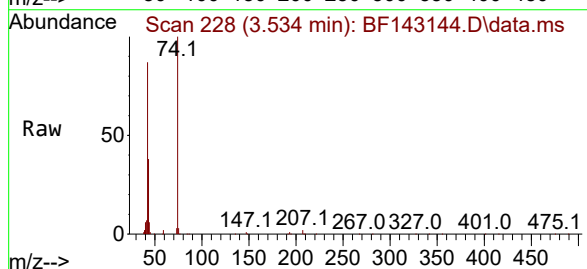
Manual Integrations
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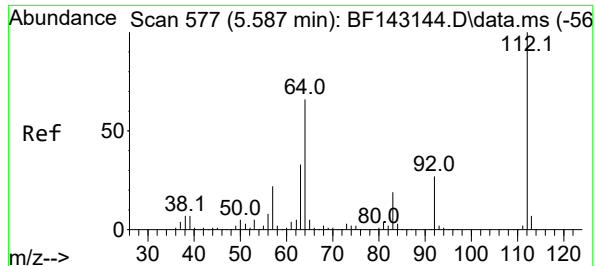
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

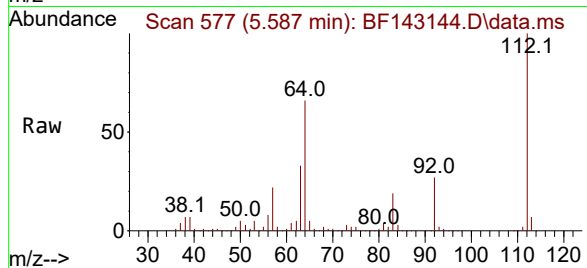
Tgt Ion: 42 Resp: 270676
Ion Ratio Lower Upper
42 100
74 114.6 91.7 137.5
44 7.0 5.6 8.4





#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

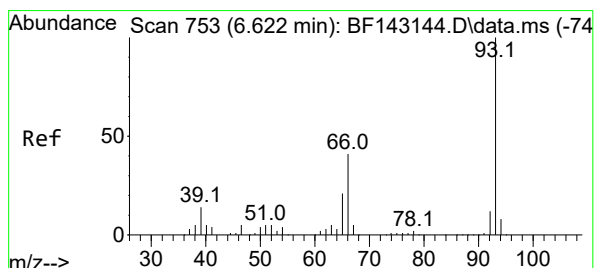
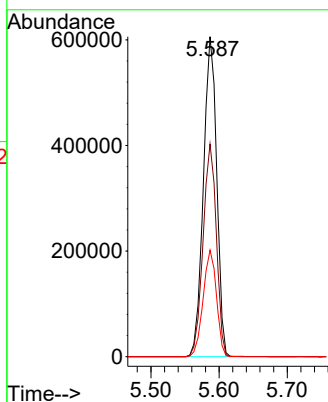
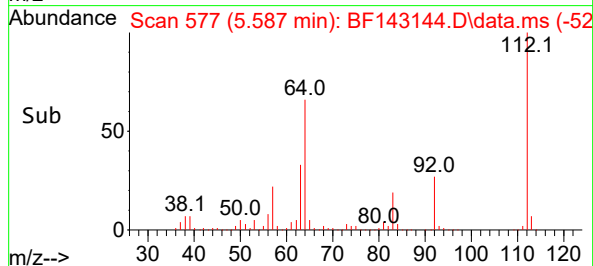
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:112 Resp: 823062
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.3 26.6 40.0

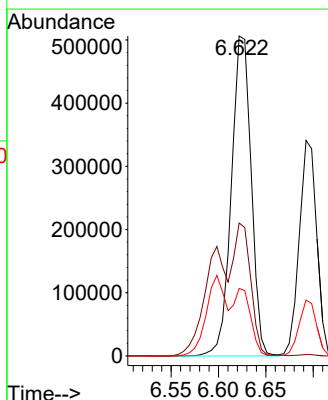
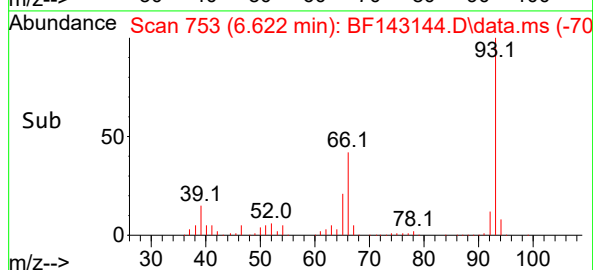
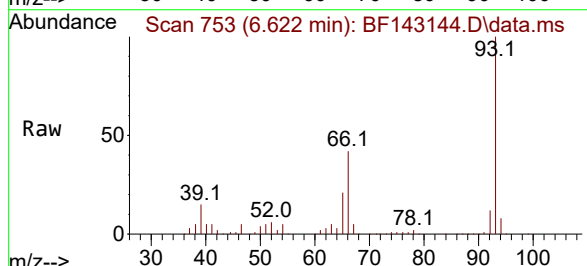
Manual Integrations
APPROVED

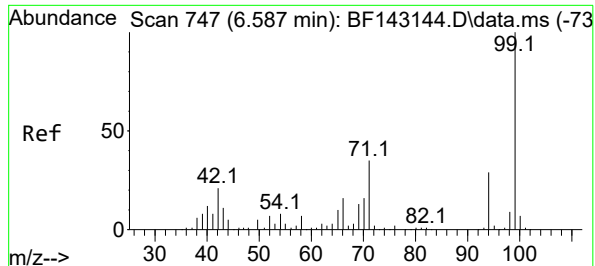
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668
Ion Ratio Lower Upper
93 100
66 41.5 33.2 49.8
65 21.1 16.9 25.3





#7

Phenol-d6

Concen: 78.160 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 103882

Ion Ratio Lower Upper

99 100

42 21.3 17.0 25.6

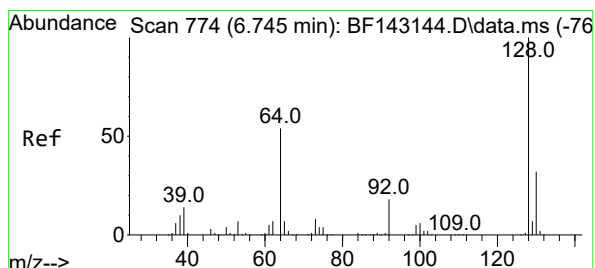
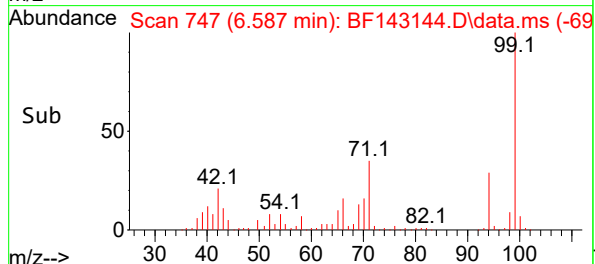
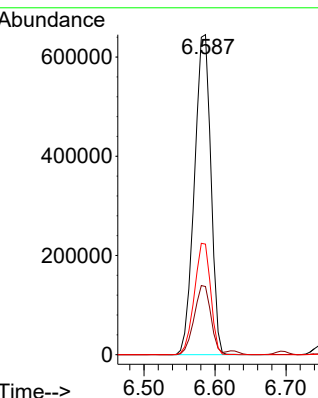
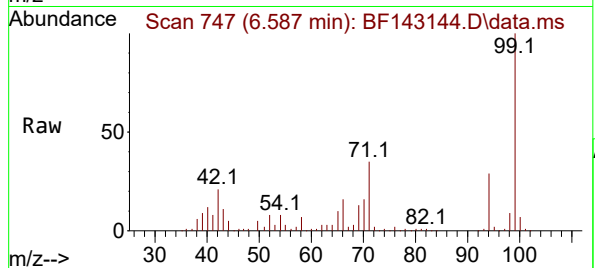
71 34.6 27.7 41.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 39.565 ng

RT: 6.745 min Scan# 774

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

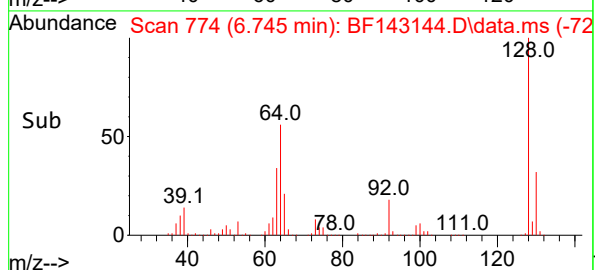
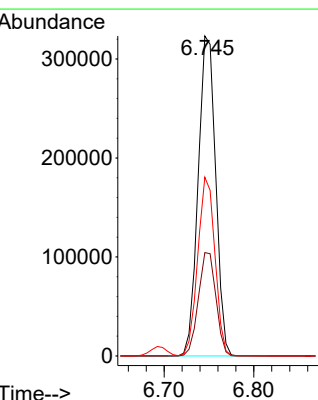
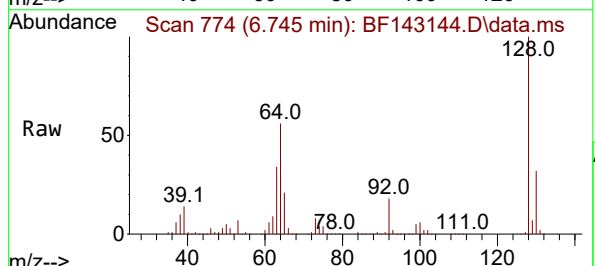
Tgt Ion:128 Resp: 437914

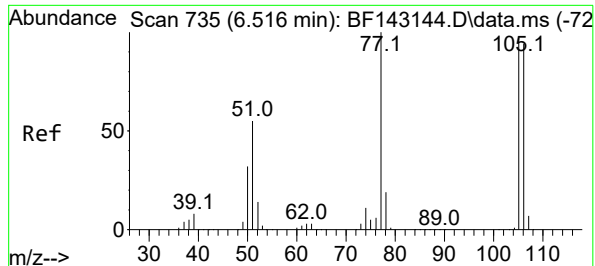
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 55.9 35.9 75.9





#9

Benzaldehyde

Concen: 48.387 ng

RT: 6.516 min Scan# 735

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 482238

Ion Ratio Lower Upper

77 100

105 96.8 76.8 116.8

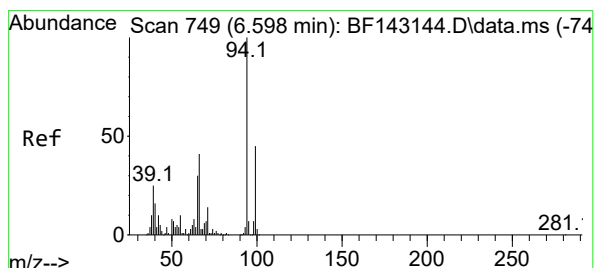
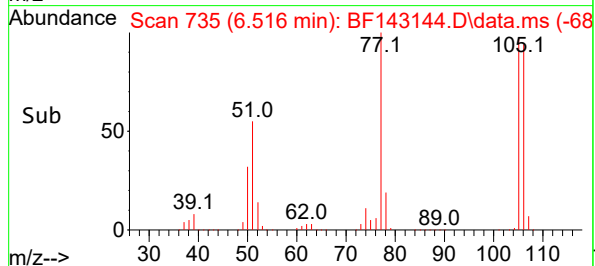
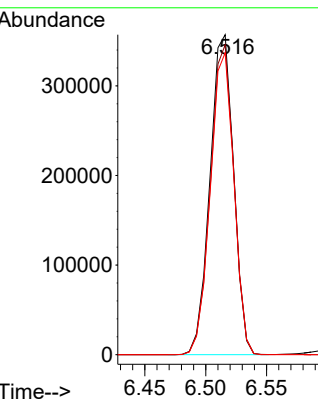
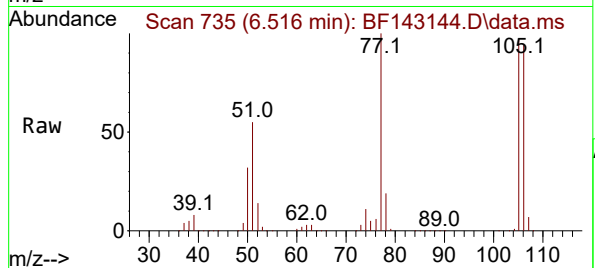
106 94.4 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 39.487 ng m

RT: 6.598 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

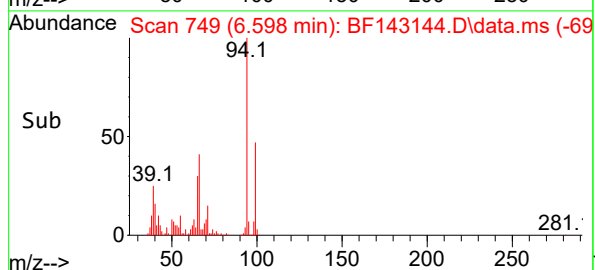
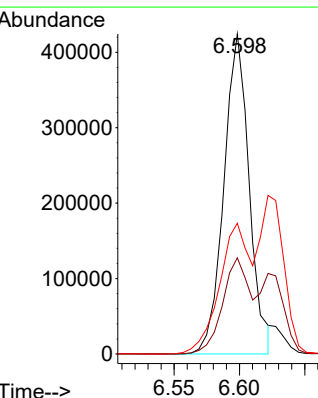
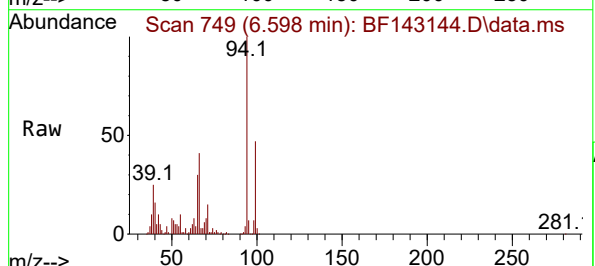
Tgt Ion: 94 Resp: 571741

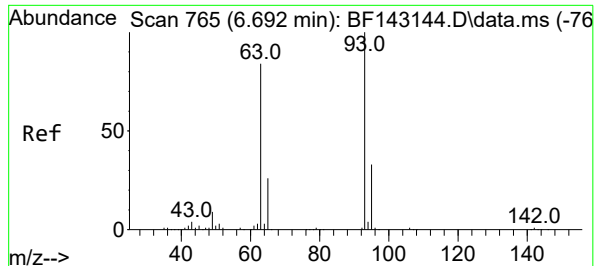
Ion Ratio Lower Upper

94 100

65 30.0 10.0 50.0

66 40.8 20.8 60.8





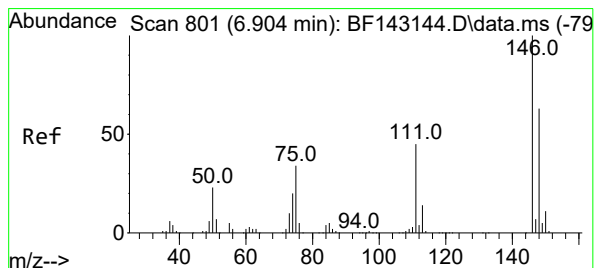
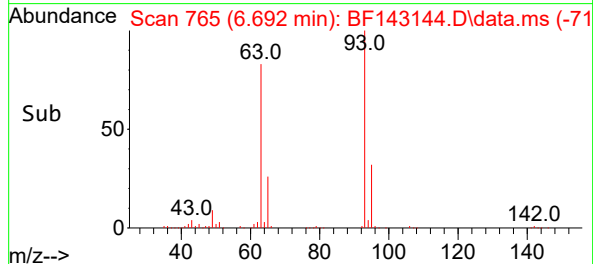
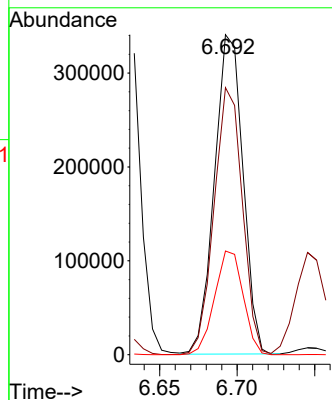
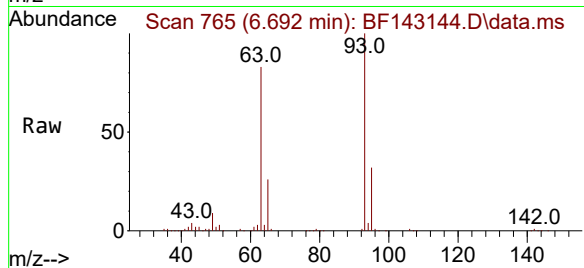
#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 435450
Ion Ratio Lower Upper
93 100
63 83.4 63.4 103.4
95 32.4 12.4 52.4

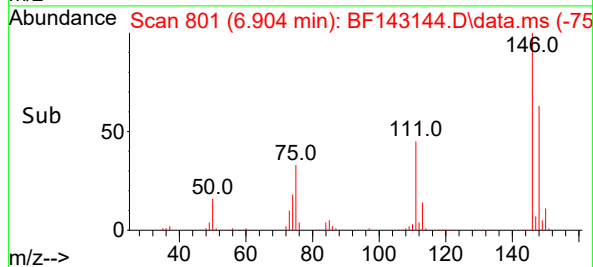
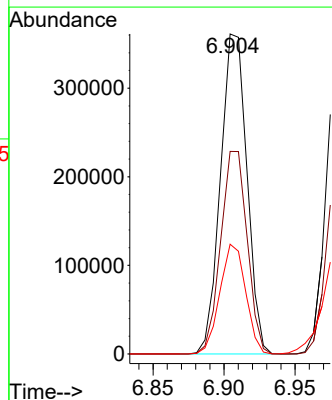
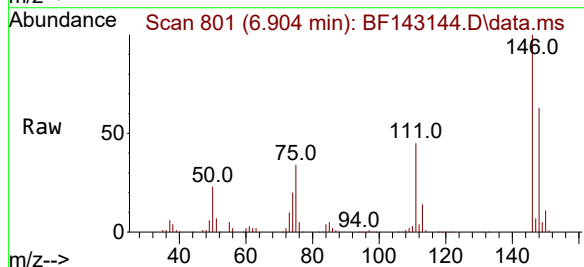
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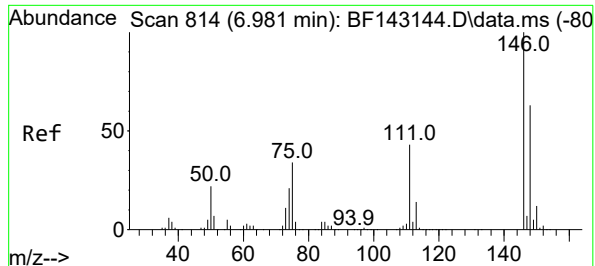
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 468194
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 34.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.147 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 474015

Ion Ratio Lower Upper

146 100

148 62.9 50.3 75.5

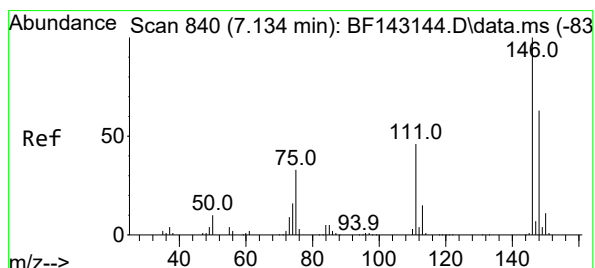
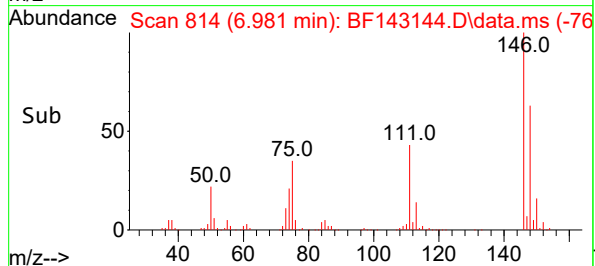
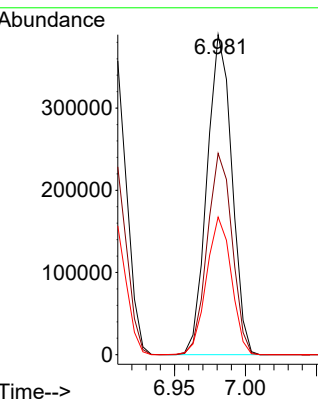
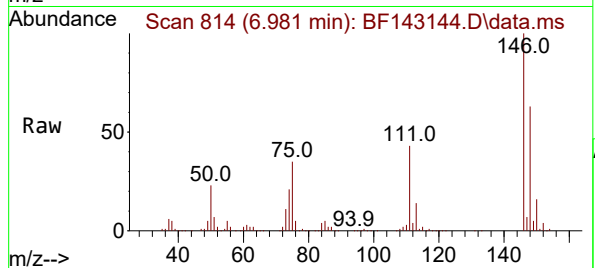
111 43.0 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 38.970 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

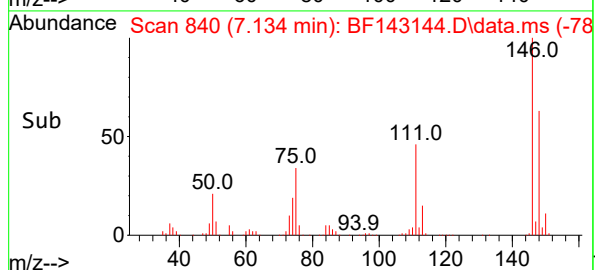
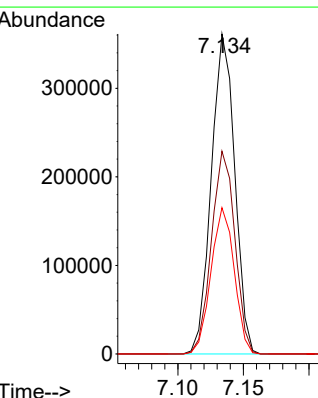
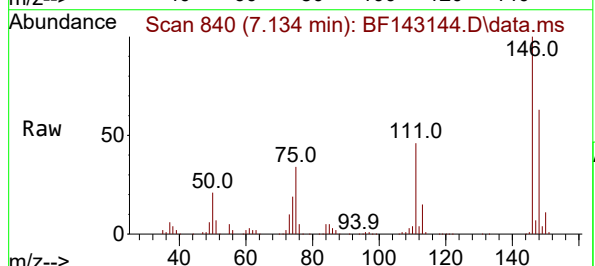
Tgt Ion:146 Resp: 448808

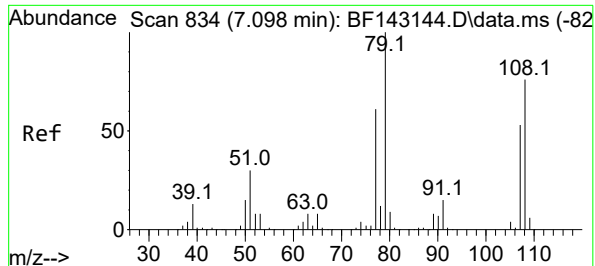
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 45.7 36.6 54.8





#15

Benzyl Alcohol

Concen: 40.017 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 406107

Ion Ratio Lower Upper

79 100

108 76.4 61.1 91.7

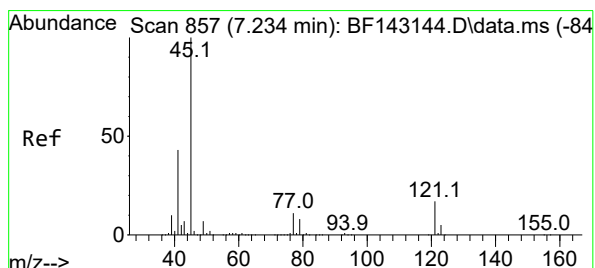
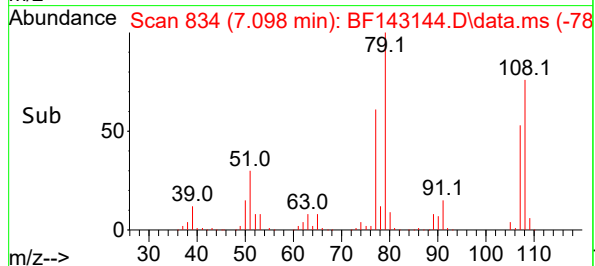
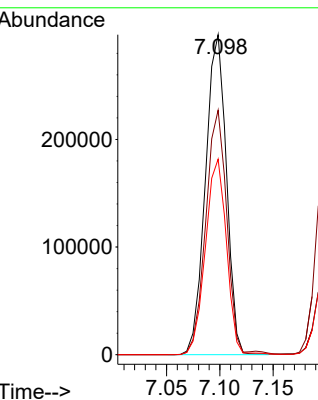
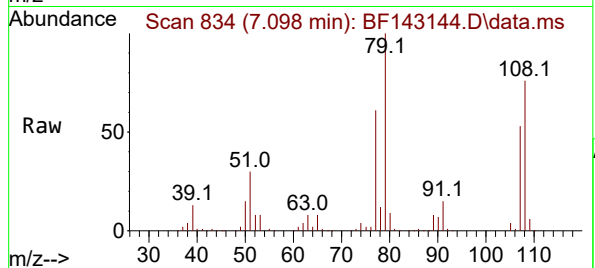
77 61.1 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.337 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

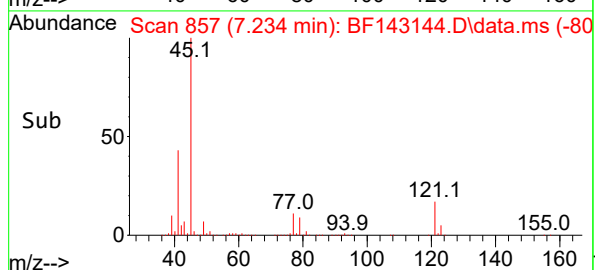
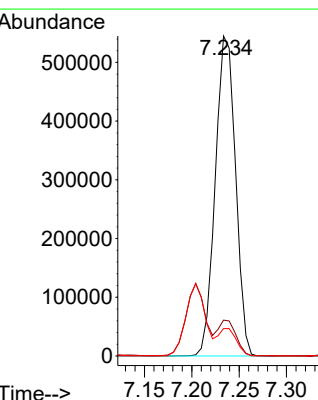
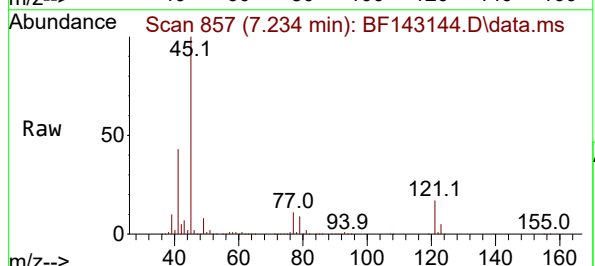
Tgt Ion: 45 Resp: 808980

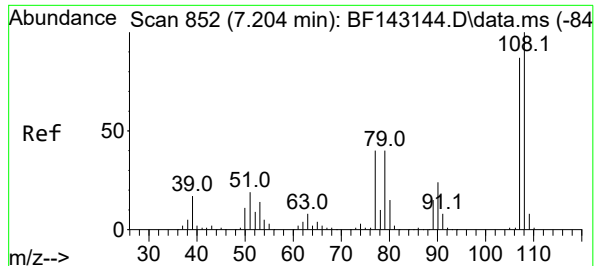
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

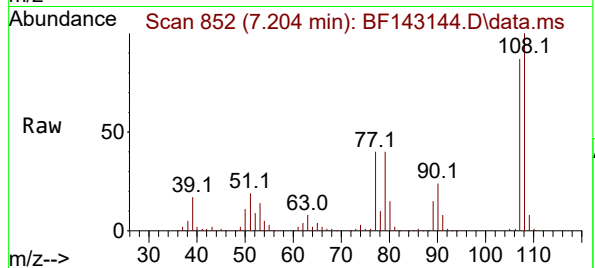
79 8.5 0.0 28.5





#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

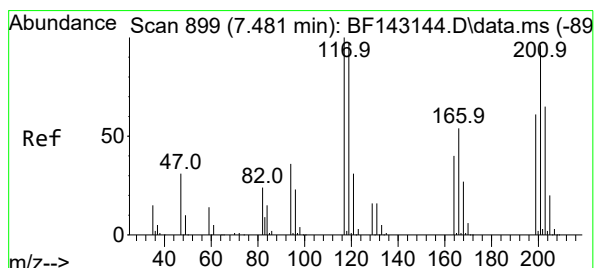
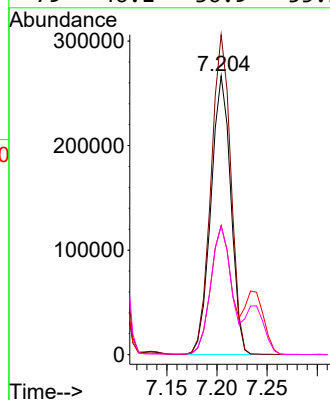
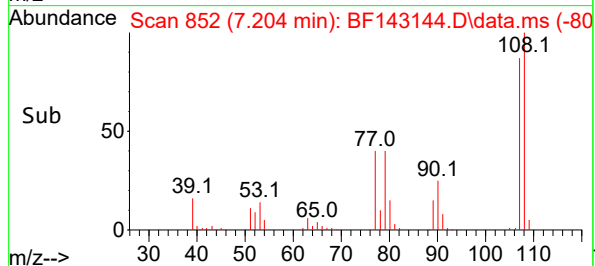
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



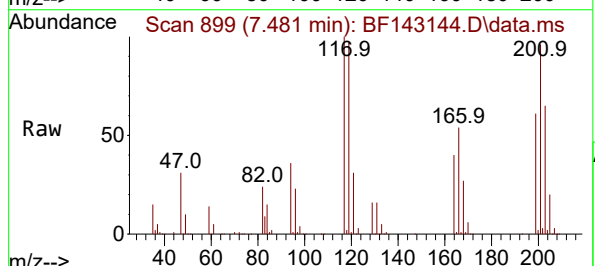
Tgt Ion:107 Resp: 366495
Ion Ratio Lower Upper
107 100
108 114.7 91.8 137.6
77 46.3 37.0 55.6
79 46.1 36.9 55.3

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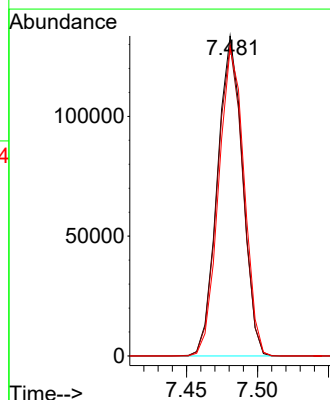
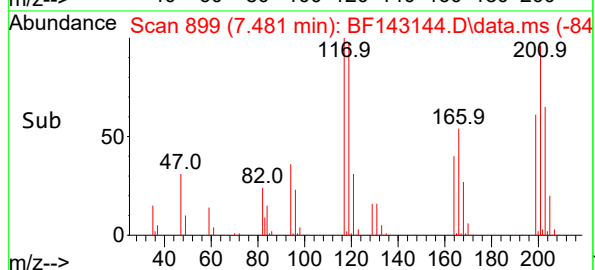
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

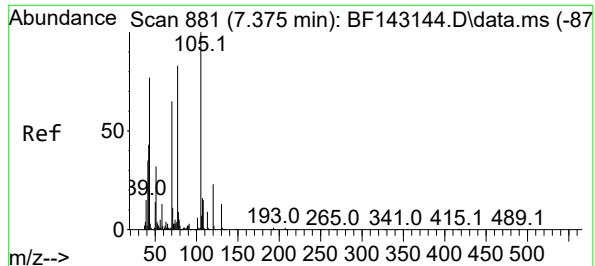


#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



Tgt Ion:117 Resp: 165263
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
201 96.2 77.0 115.4





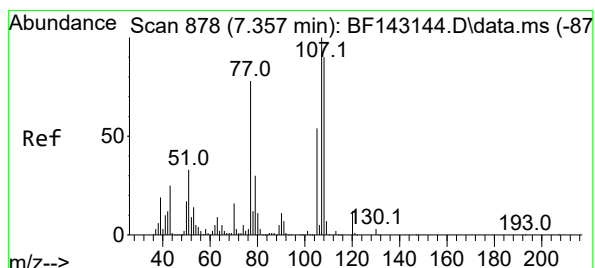
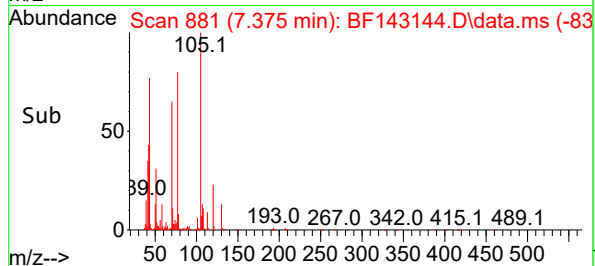
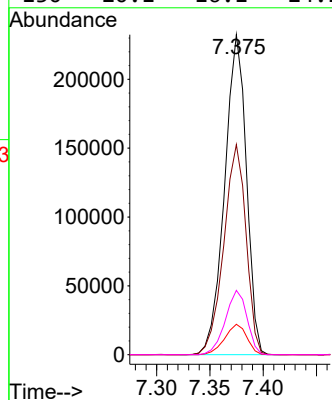
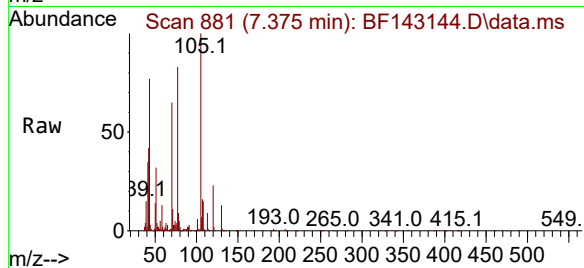
#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 329619
Ion Ratio Lower Upper
70 100
42 65.6 52.5 78.7
101 9.5 7.6 11.4
130 20.1 16.1 24.1

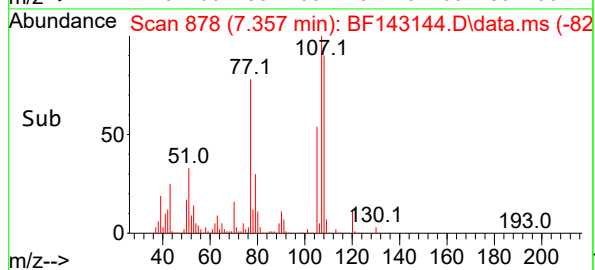
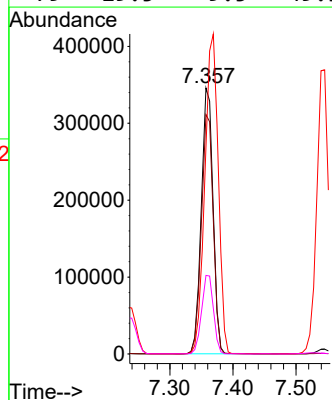
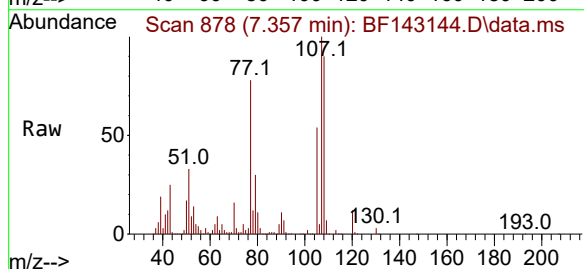
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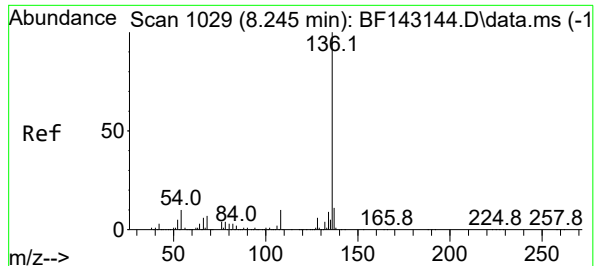
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

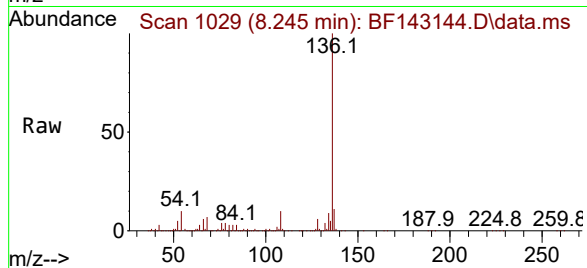
Tgt Ion:107 Resp: 448100
Ion Ratio Lower Upper
107 100
108 90.0 70.0 110.0
77 77.8 57.8 97.8
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

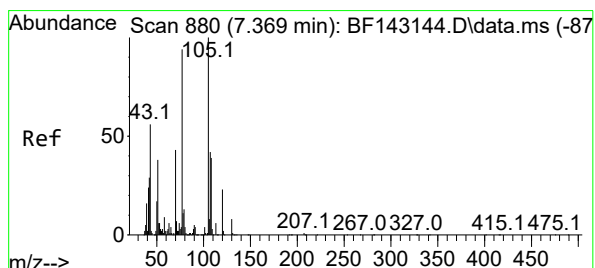
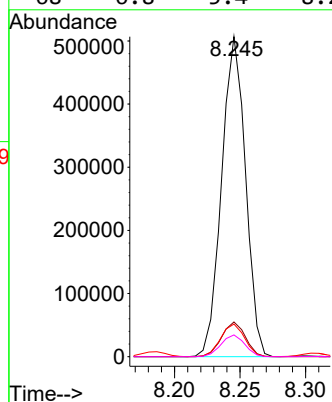
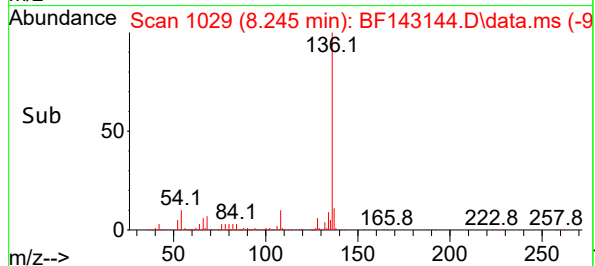
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 641411
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.2 12.2
68 6.8 5.4 8.2

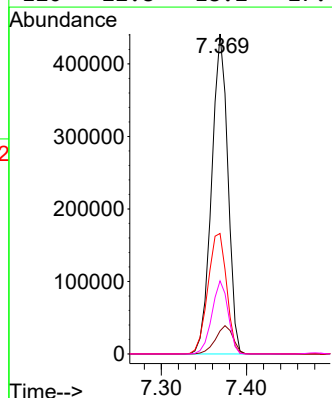
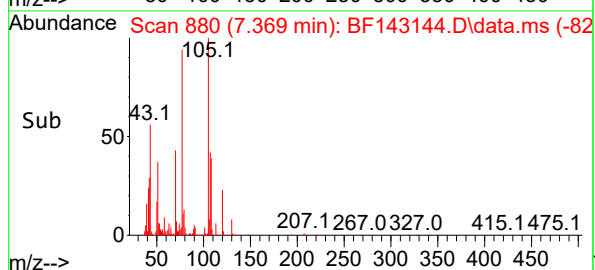
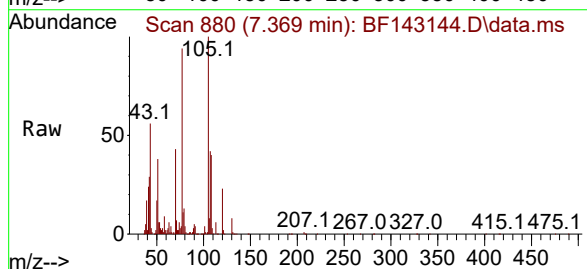
Manual Integrations
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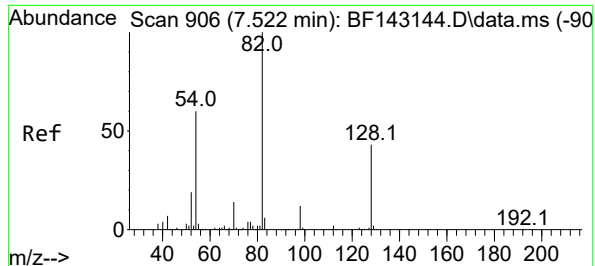
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:105 Resp: 583796
Ion Ratio Lower Upper
105 100
71 7.2 5.8 8.6
51 37.7 30.2 45.2
120 22.8 18.2 27.4





#23

Nitrobenzene-d5

Concen: 79.512 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 1023138

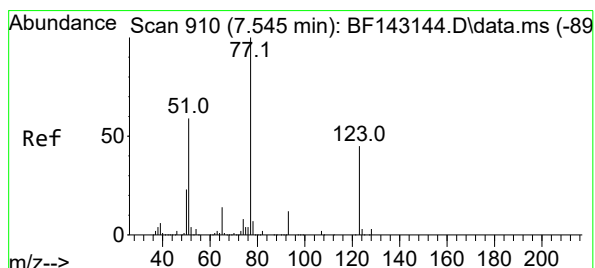
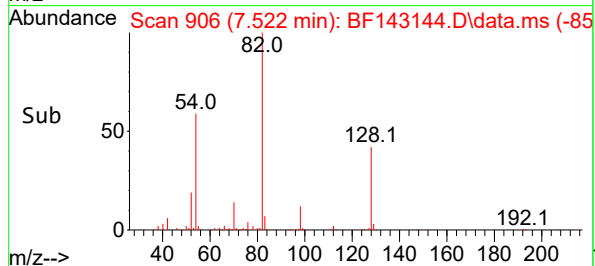
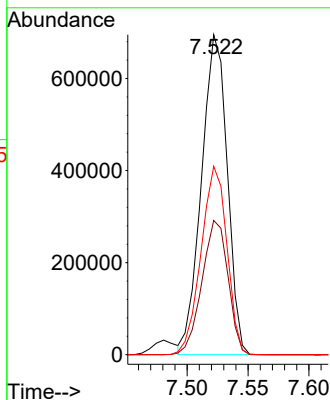
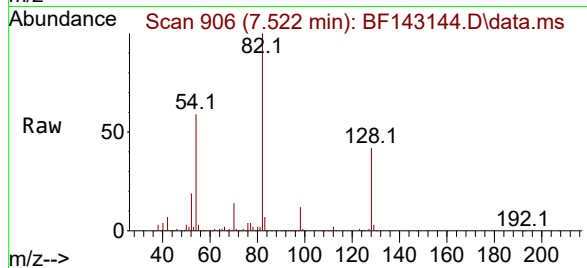
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	58.9	47.1	70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 40.136 ng

RT: 7.545 min Scan# 910

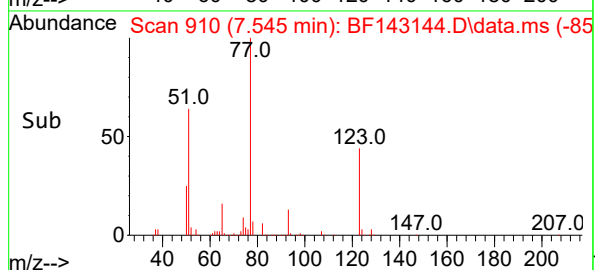
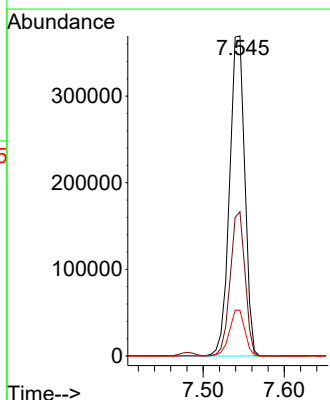
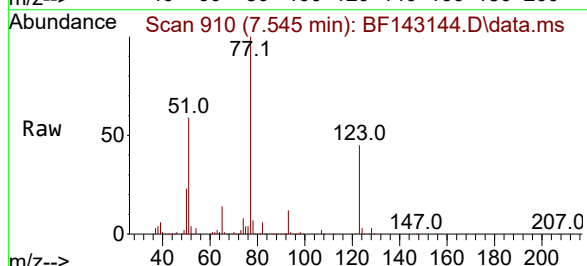
Delta R.T. 0.000 min

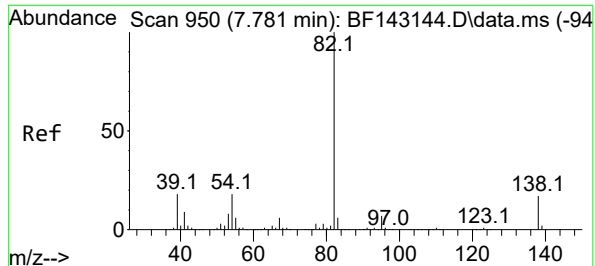
Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 481500

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.1	54.1
65	14.3	11.4	17.2





#25

Isophorone

Concen: 39.093 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 88801

Ion Ratio Lower Upper

82 100

95 6.9 5.5 8.3

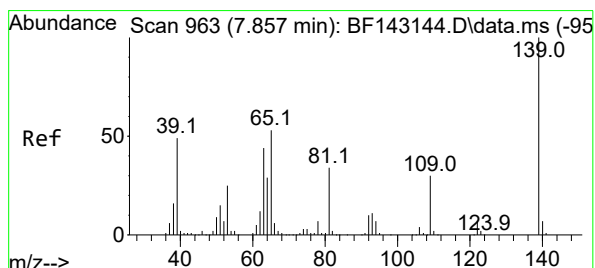
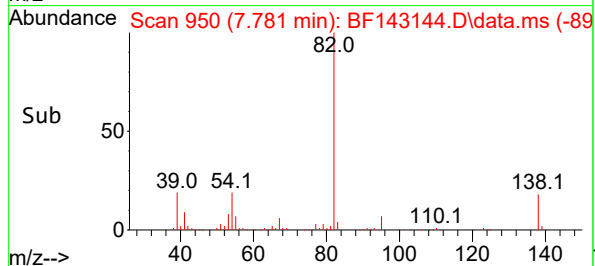
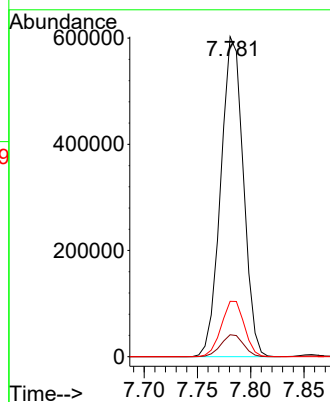
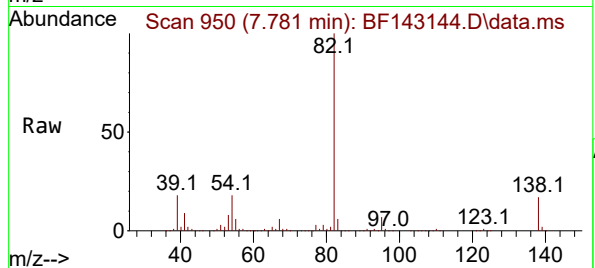
138 17.3 13.8 20.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#26

2-Nitrophenol

Concen: 42.323 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

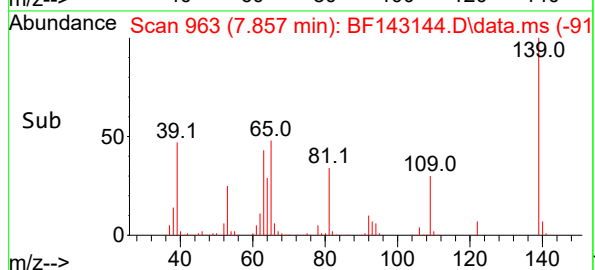
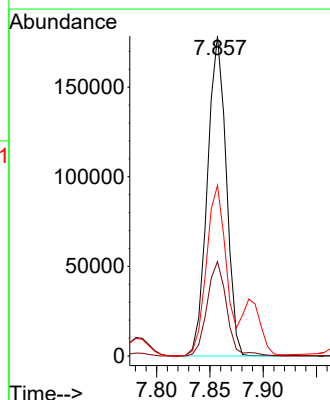
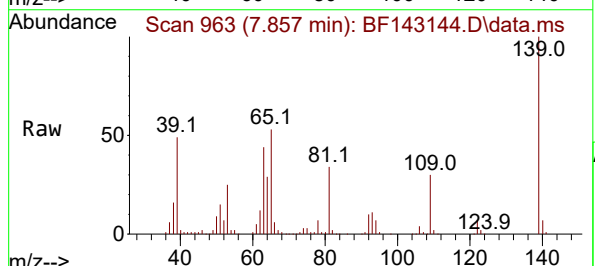
Tgt Ion:139 Resp: 220354

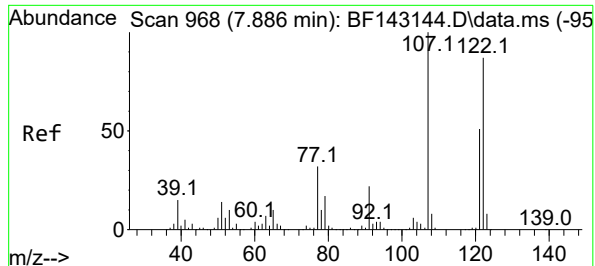
Ion Ratio Lower Upper

139 100

109 29.5 23.6 35.4

65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.210 ng

RT: 7.886 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 416128

Ion Ratio Lower Upper

122 100

107 114.7 91.8 137.6

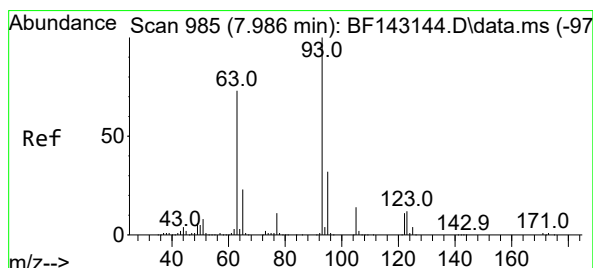
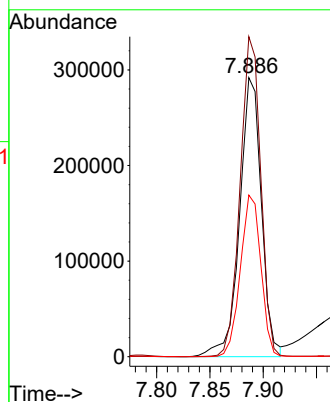
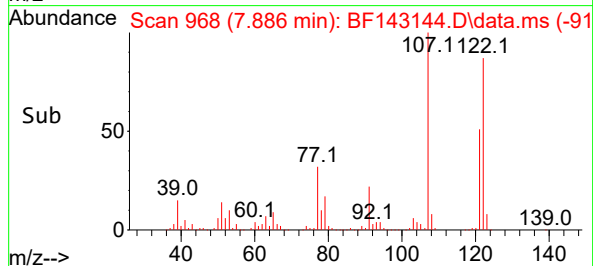
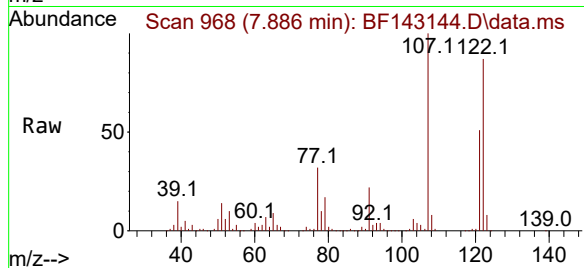
121 57.9 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 38.860 ng

RT: 7.986 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

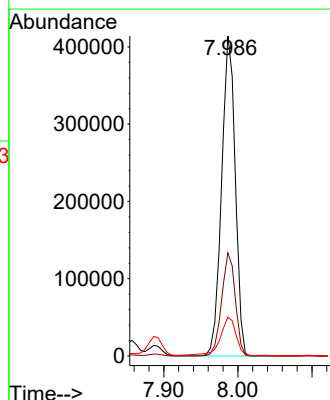
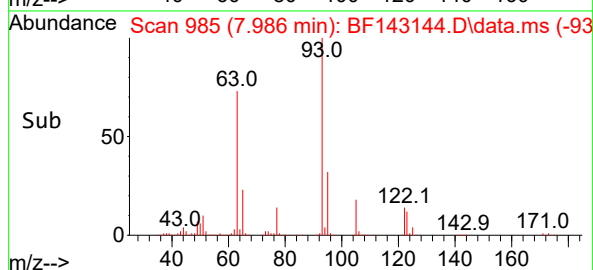
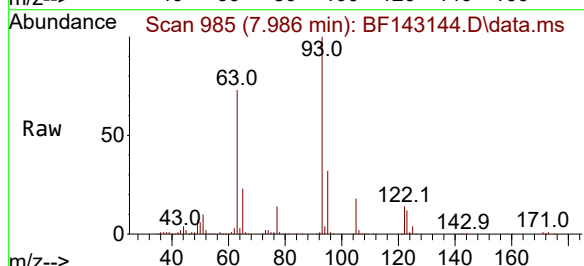
Tgt Ion: 93 Resp: 529258

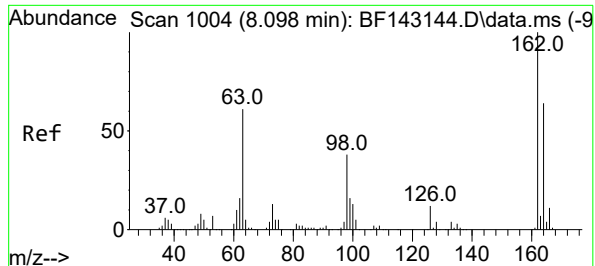
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.537 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 35386

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

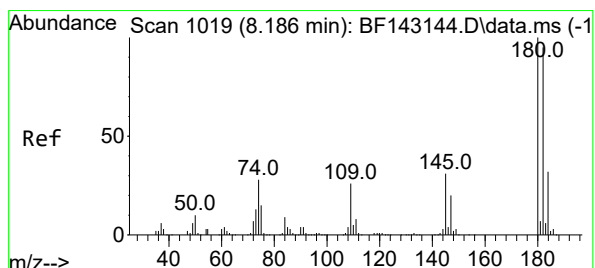
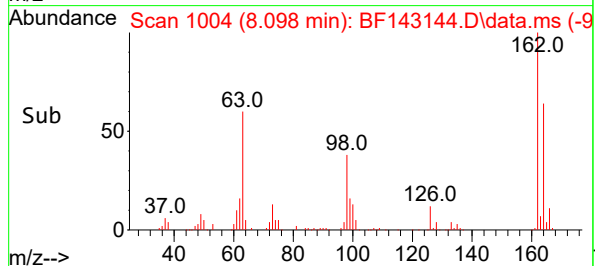
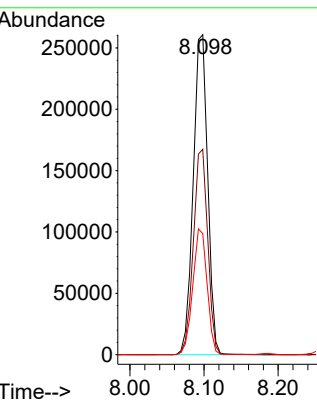
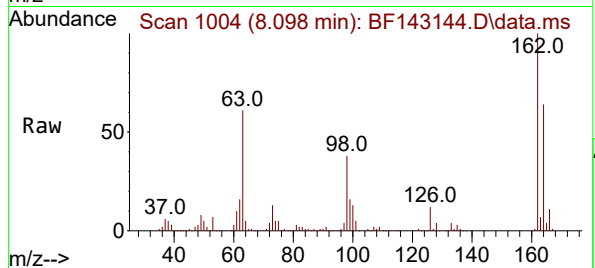
98 37.9 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 38.947 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

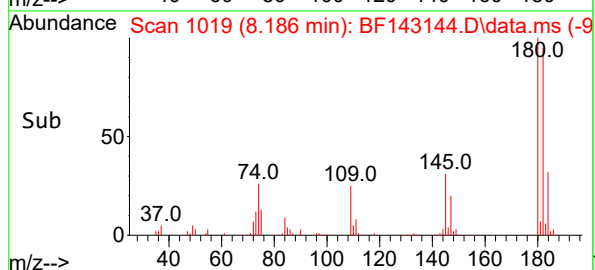
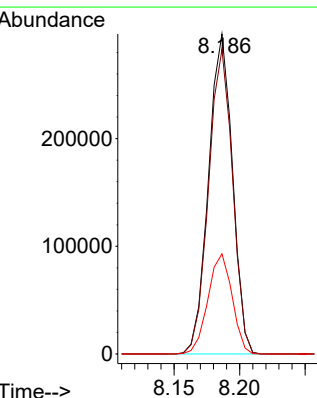
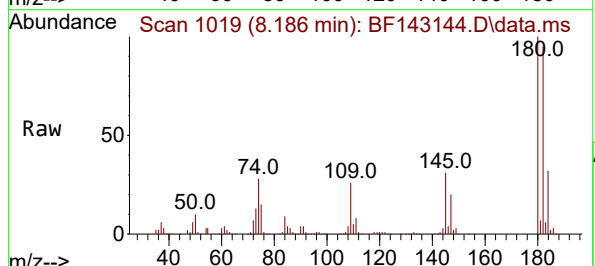
Tgt Ion:180 Resp: 376590

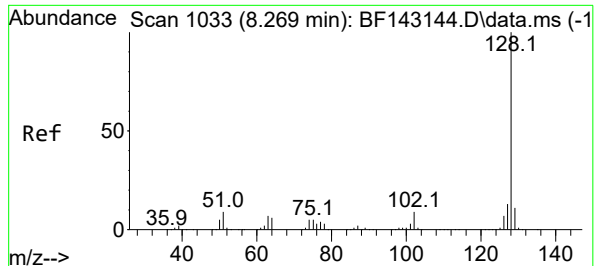
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

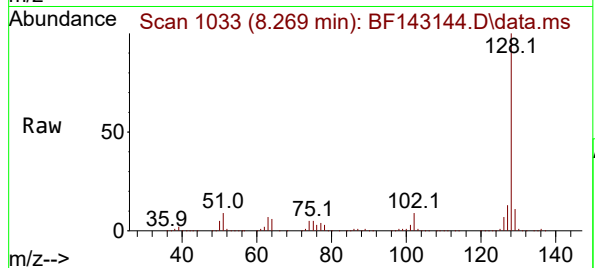
145 31.3 25.0 37.6





#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

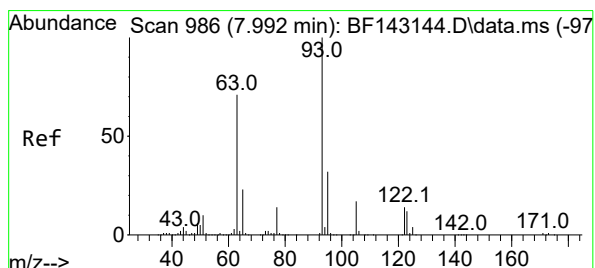
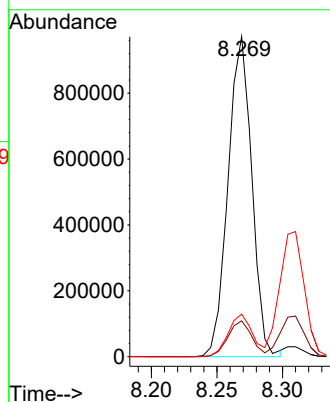
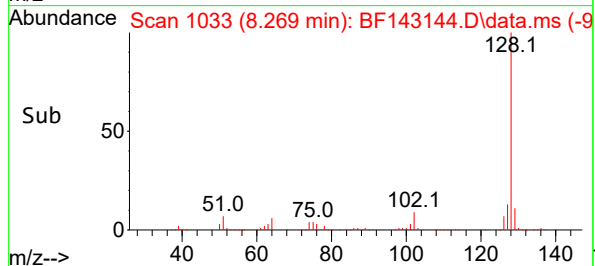
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 1224033
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.3 10.6 16.0

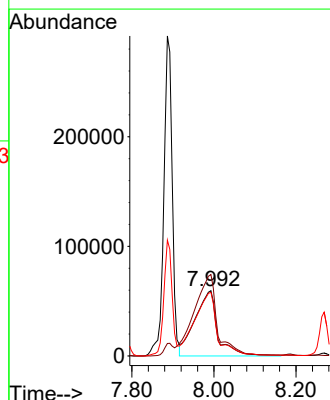
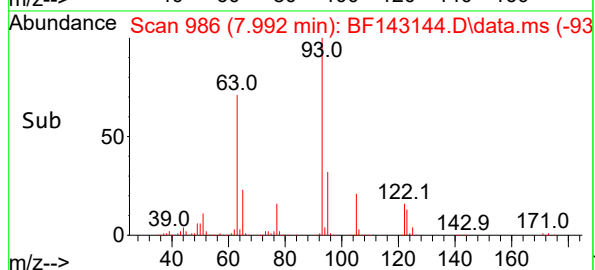
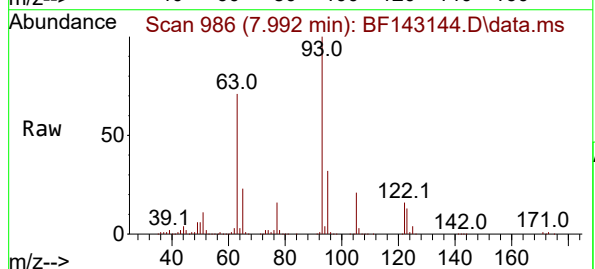
Manual Integrations
APPROVED

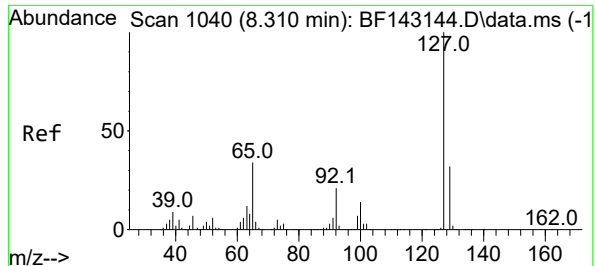
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 39.680 ng m
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

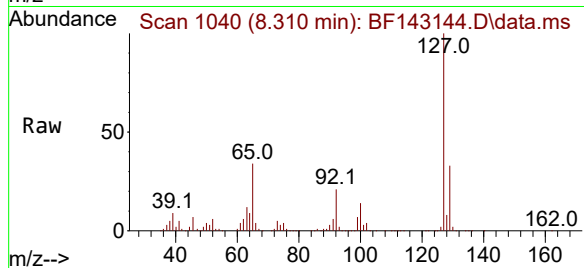
Tgt Ion:122 Resp: 230958
Ion Ratio Lower Upper
122 100
105 124.8 104.8 144.8
77 97.6 77.6 117.6





#33
4-Chloroaniline
Concen: 38.796 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

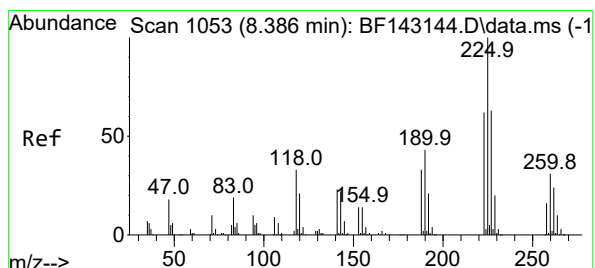
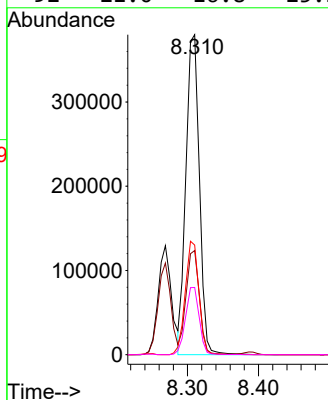
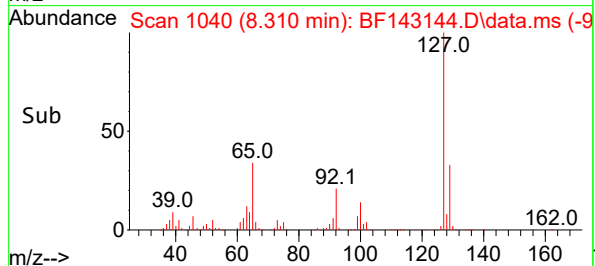
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 500402
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0
65 34.3 27.4 41.2
92 21.0 16.8 25.2

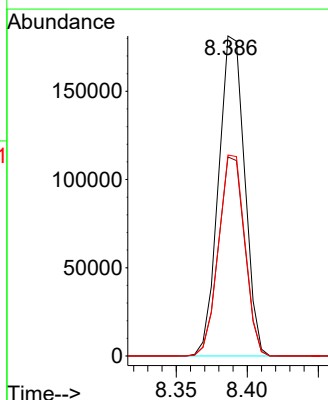
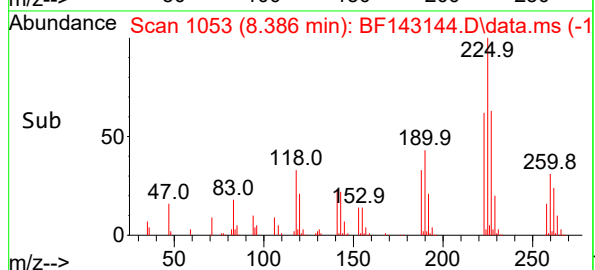
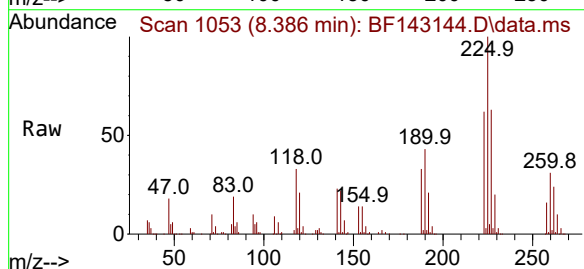
Manual Integrations
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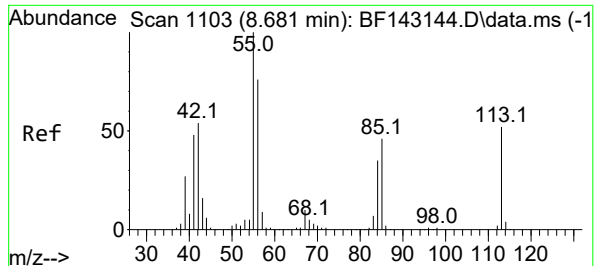
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:225 Resp: 231609
Ion Ratio Lower Upper
225 100
223 62.2 49.8 74.6
227 62.8 50.2 75.4





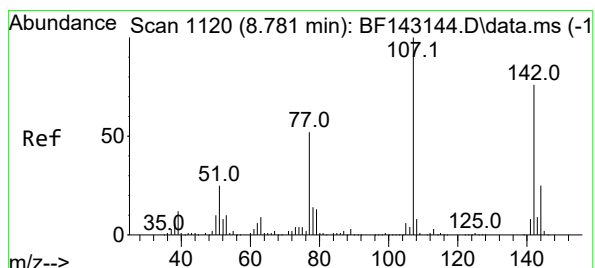
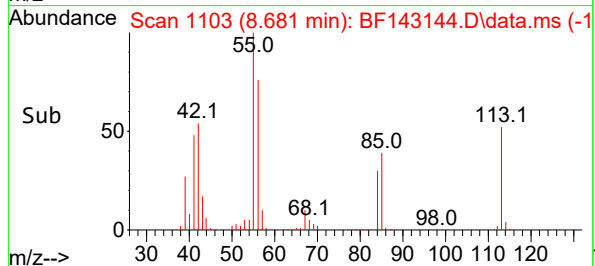
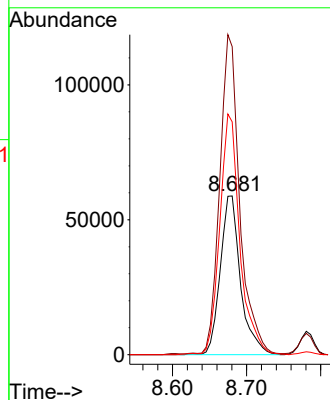
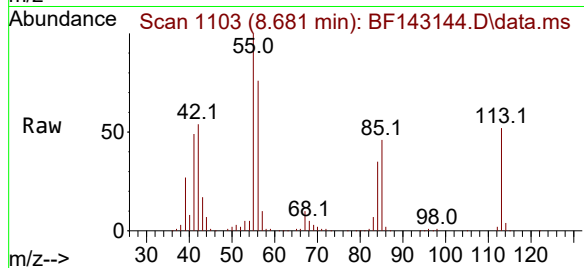
#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 11173
Ion Ratio Lower Upper
113 100
55 194.0 174.0 214.0
56 146.6 126.6 166.6

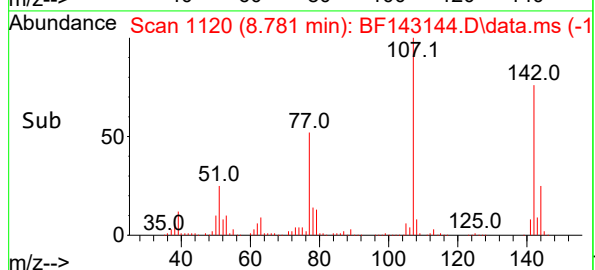
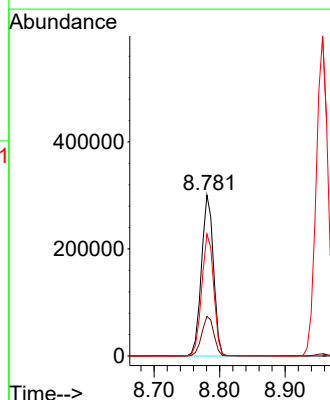
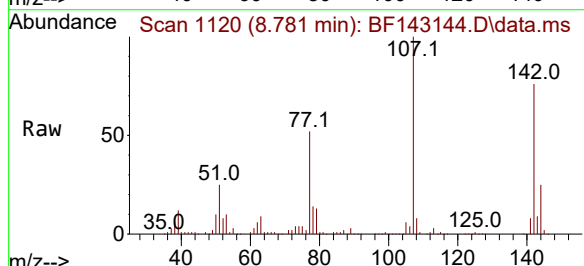
Manual Integrations
APPROVED

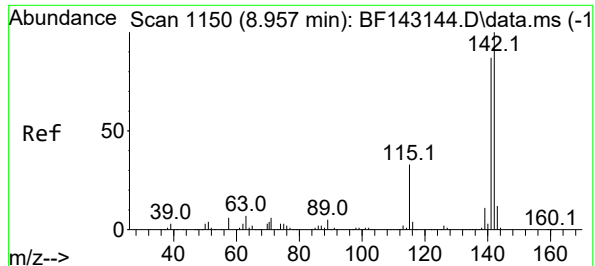
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

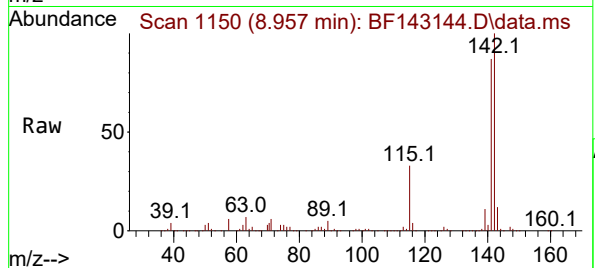
Tgt Ion:107 Resp: 385507
Ion Ratio Lower Upper
107 100
144 24.7 19.8 29.6
142 75.7 60.6 90.8





#37
2-Methylnaphthalene
Concen: 38.720 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

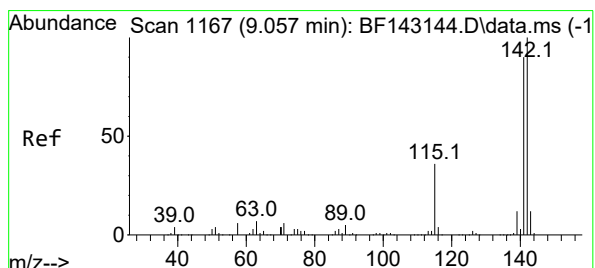
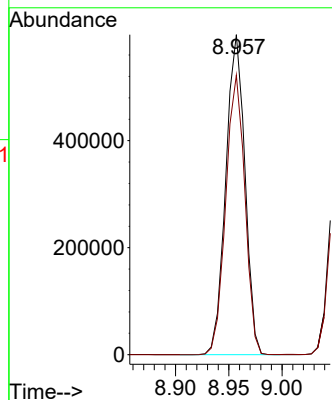
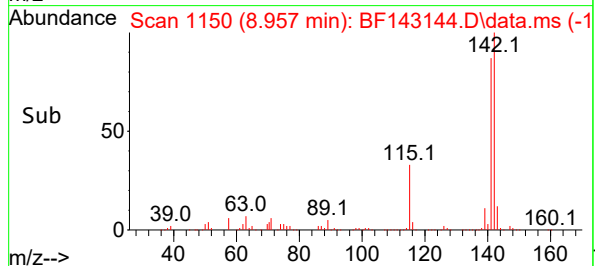
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:142 Resp: 744295
Ion Ratio Lower Upper
142 100
141 87.4 69.9 104.9

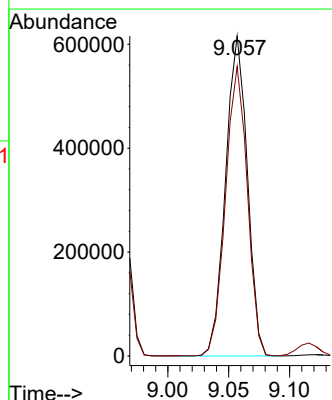
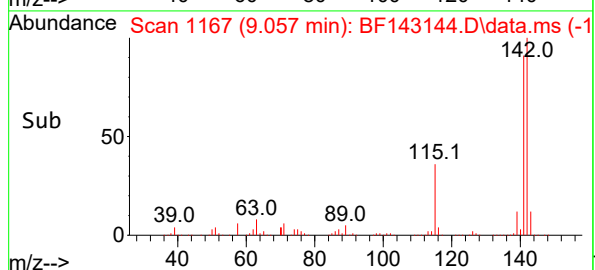
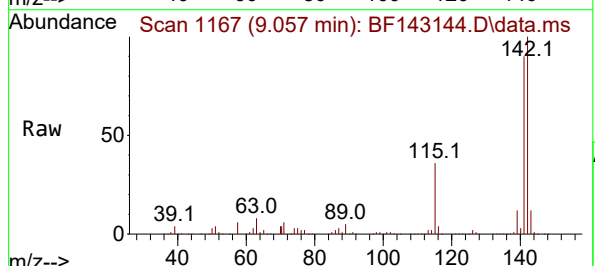
Manual Integrations
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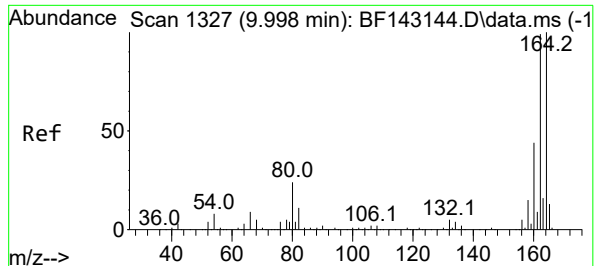
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

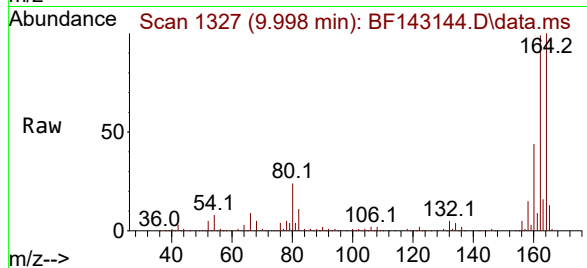
Tgt Ion:142 Resp: 768508
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

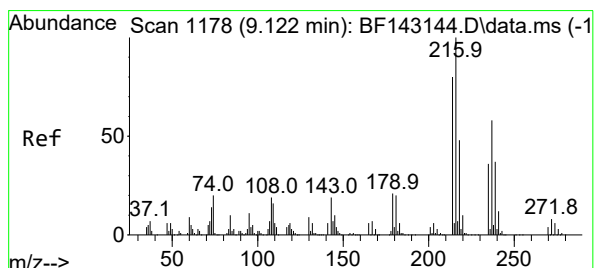
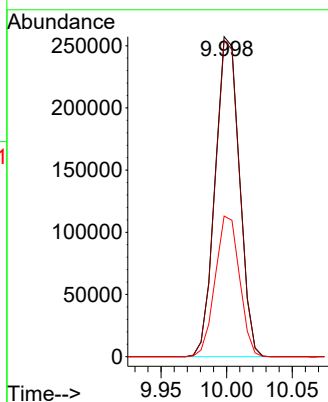
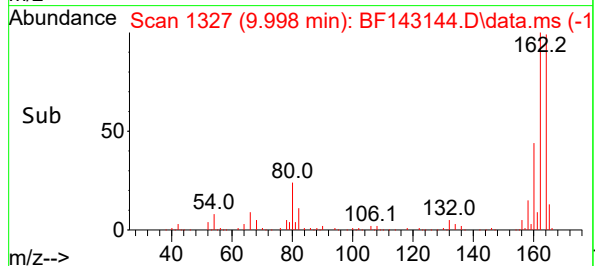
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:164 Resp: 33188
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 43.9 35.1 52.7

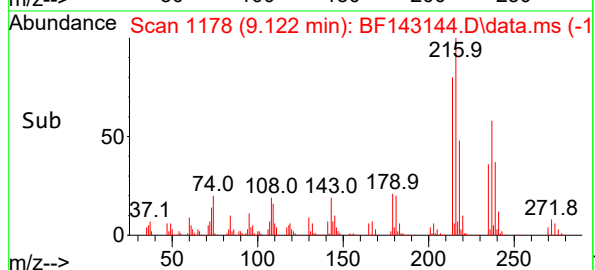
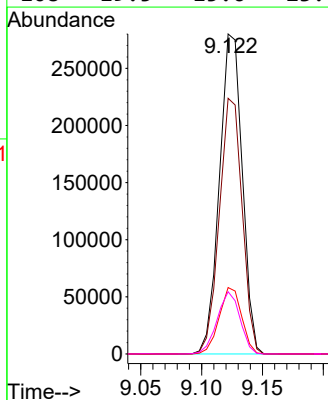
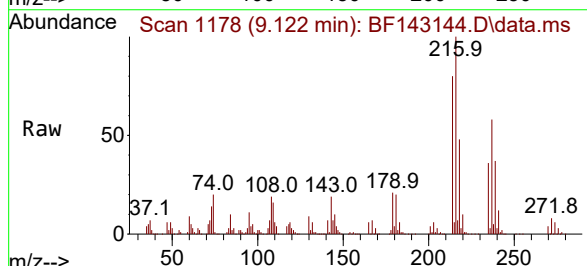
Manual Integrations
APPROVED

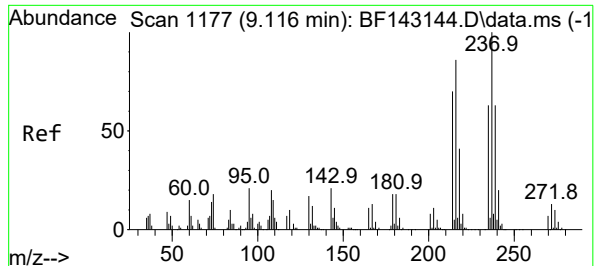
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234
Ion Ratio Lower Upper
216 100
214 79.8 63.8 95.8
179 20.5 16.4 24.6
108 19.5 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 39.695 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:237 Resp: 247480

Ion Ratio Lower Upper

237 100

235 63.0 43.0 83.0

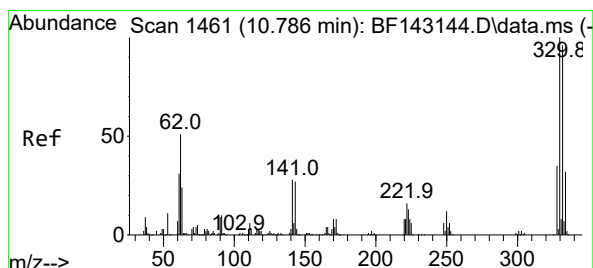
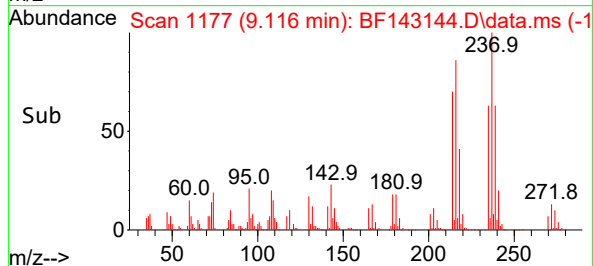
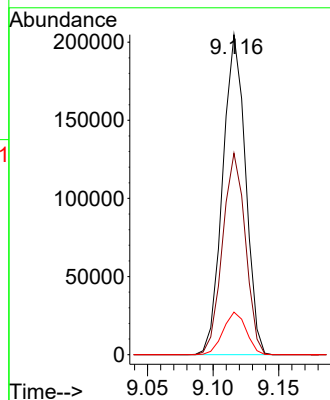
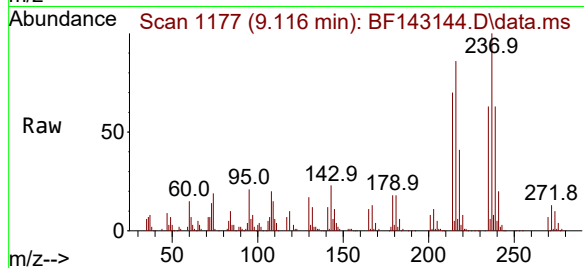
272 13.3 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 81.485 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

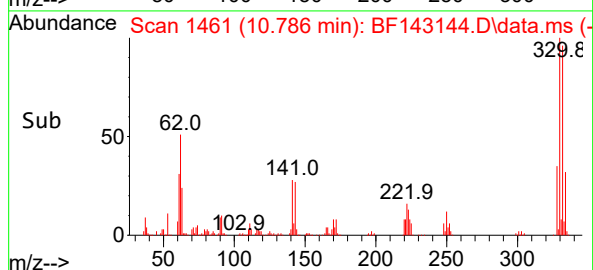
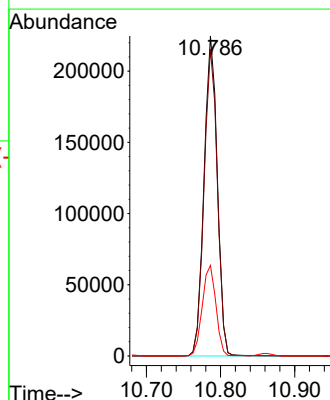
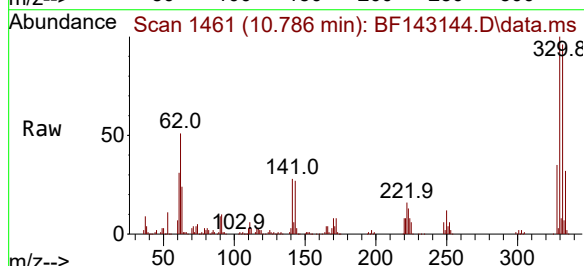
Tgt Ion:330 Resp: 279373

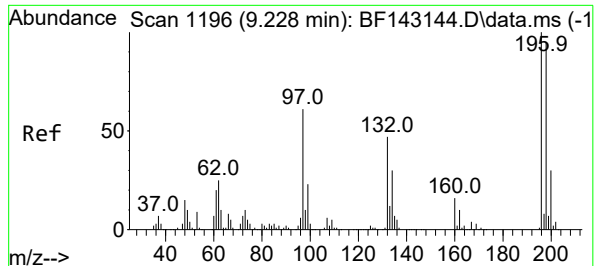
Ion Ratio Lower Upper

330 100

332 95.9 76.7 115.1

141 29.1 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.471 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143144.D

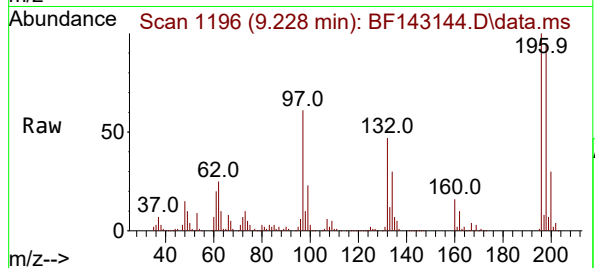
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:196 Resp: 25511

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

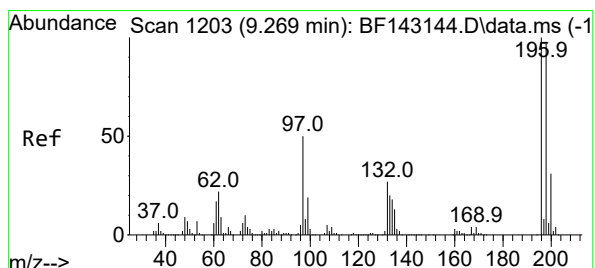
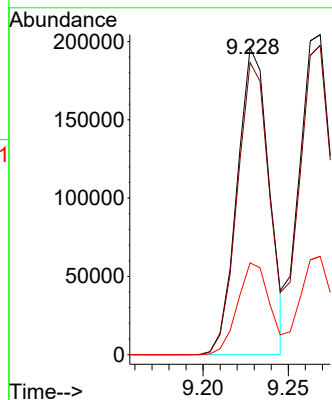
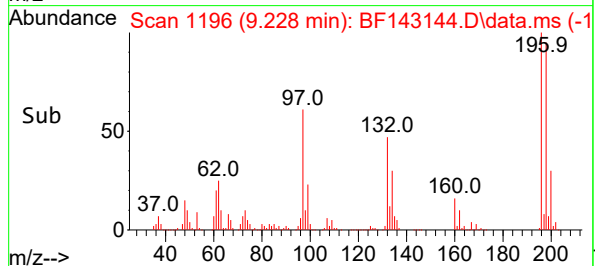
200 29.9 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

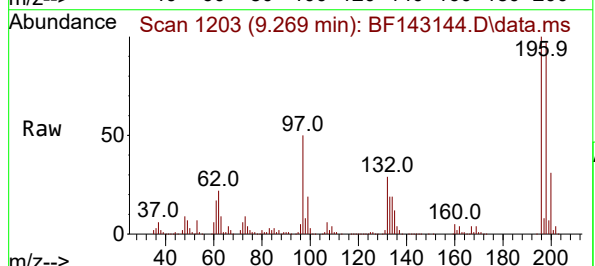
Concen: 40.494 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03



Tgt Ion:196 Resp: 268615

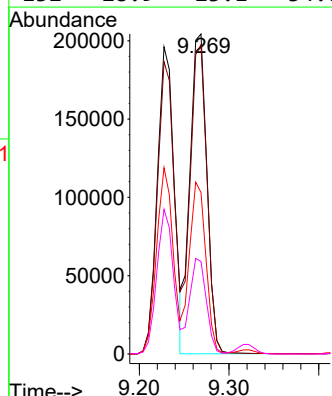
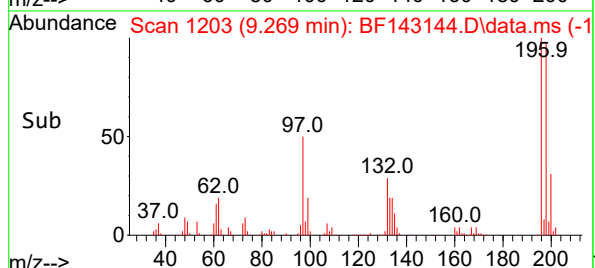
Ion Ratio Lower Upper

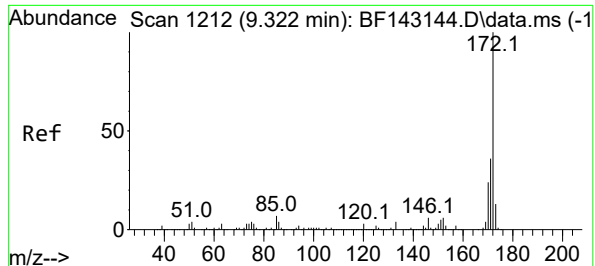
196 100

198 96.6 77.3 115.9

97 50.4 40.3 60.5

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.274 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1802398

Ion Ratio Lower Upper

172 100

171 35.7 28.6 42.8

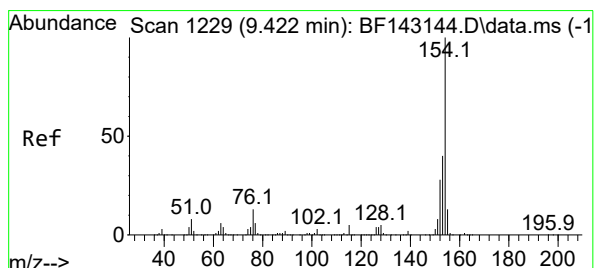
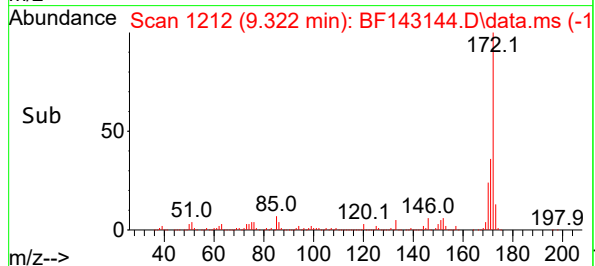
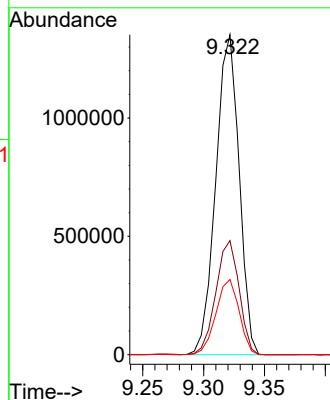
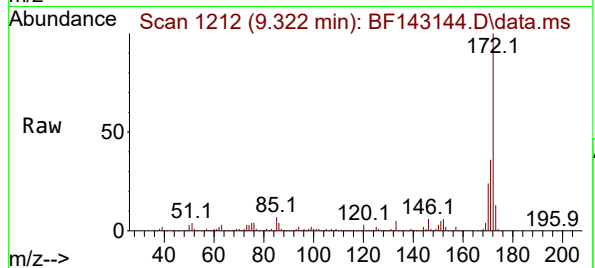
170 23.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 38.177 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

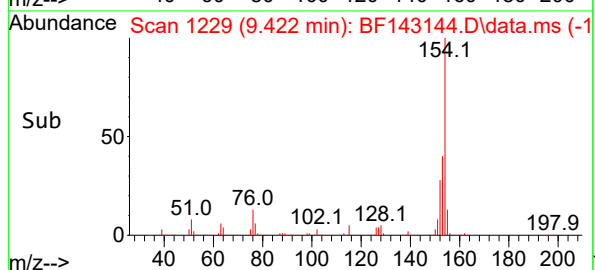
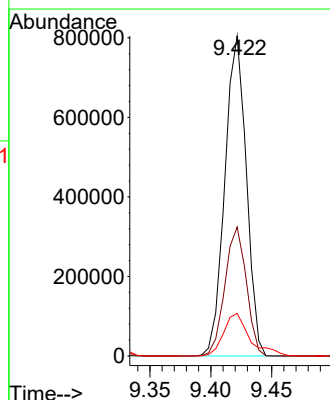
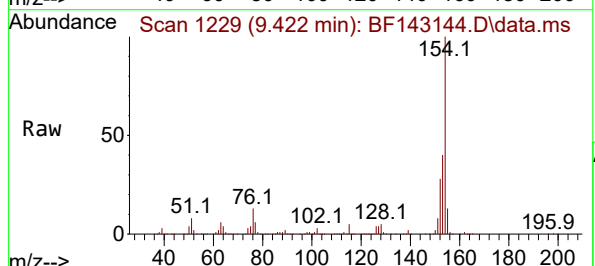
Tgt Ion:154 Resp: 988537

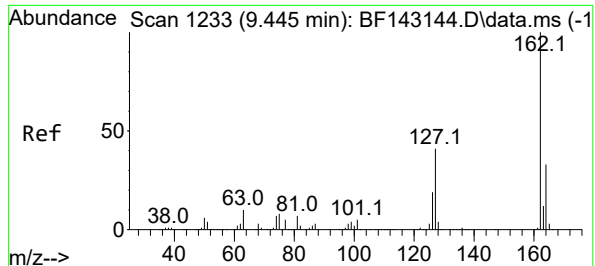
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.200 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143144.D

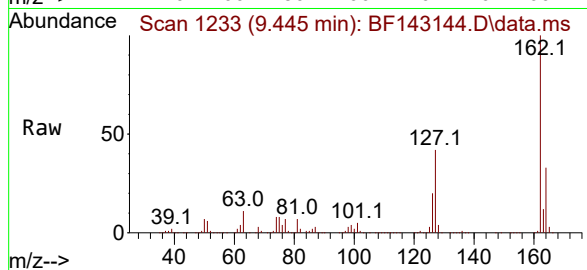
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 731879

Ion Ratio Lower Upper

162 100

127 41.8 33.4 50.2

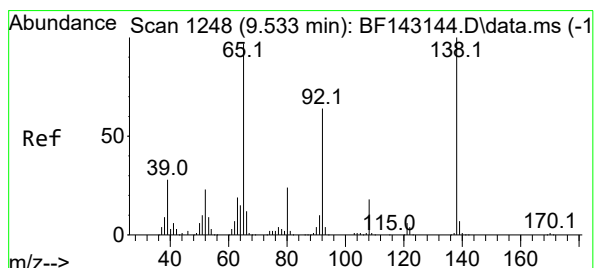
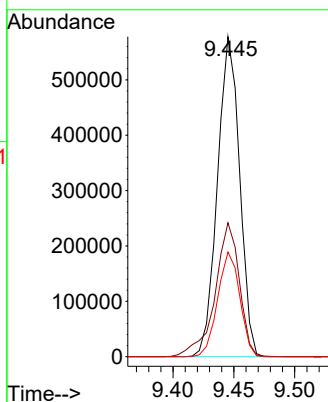
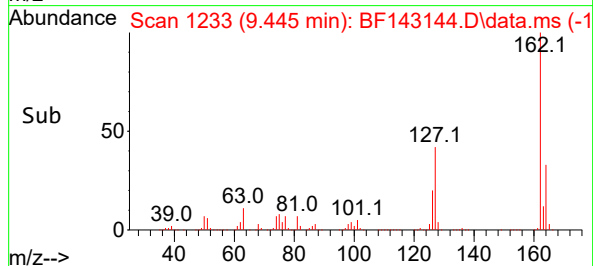
164 32.7 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 41.594 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

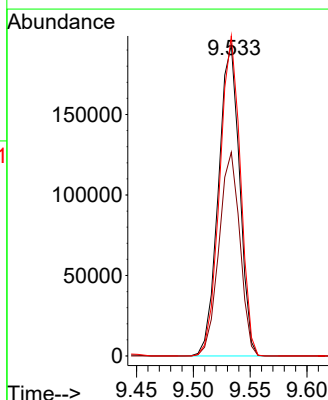
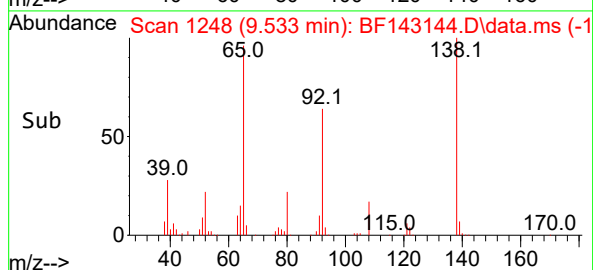
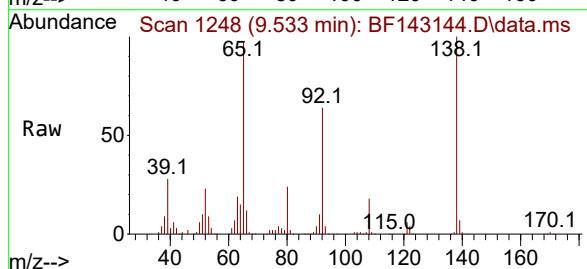
Tgt Ion: 65 Resp: 249908

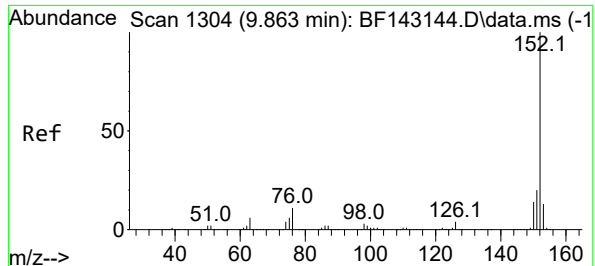
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 38.458 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143144.D

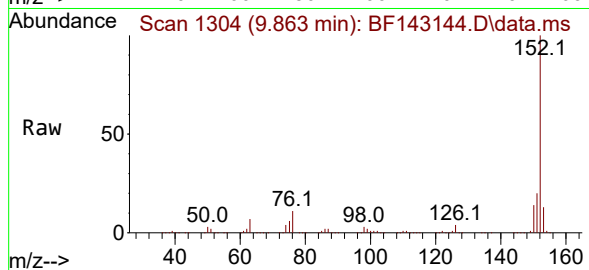
Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:152 Resp: 1234789

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

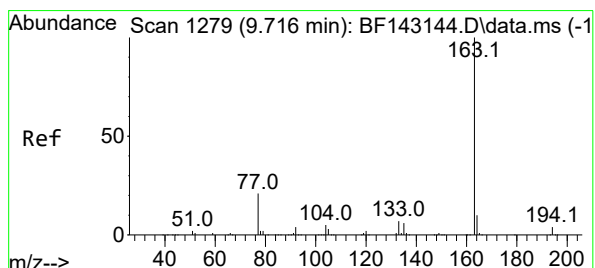
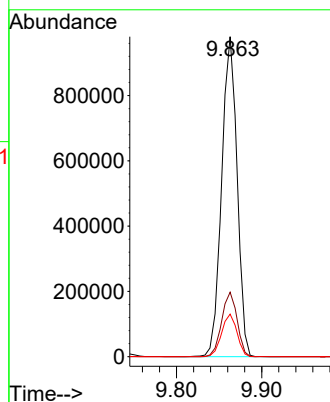
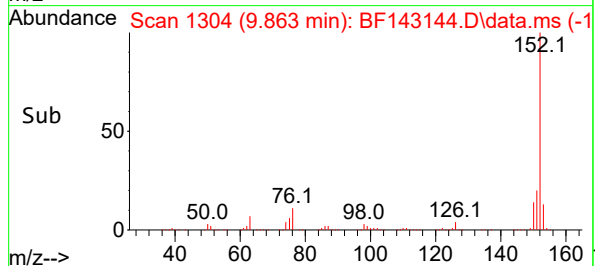
153 13.3 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

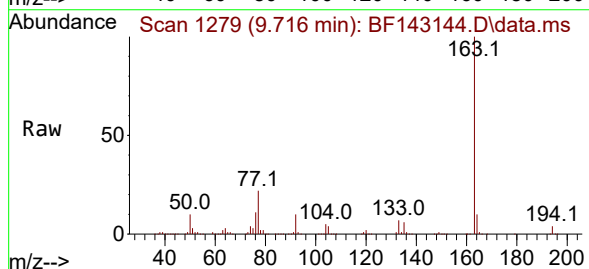
Concen: 39.238 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03



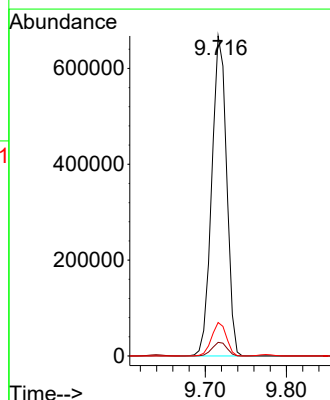
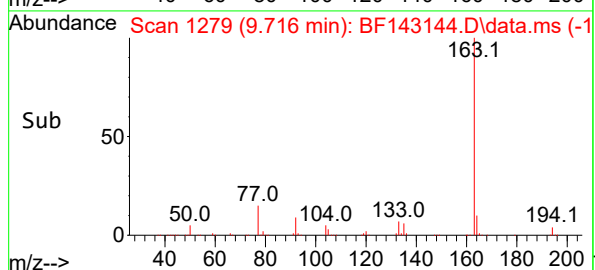
Tgt Ion:163 Resp: 848828

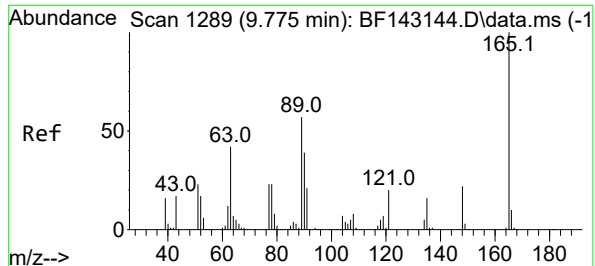
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

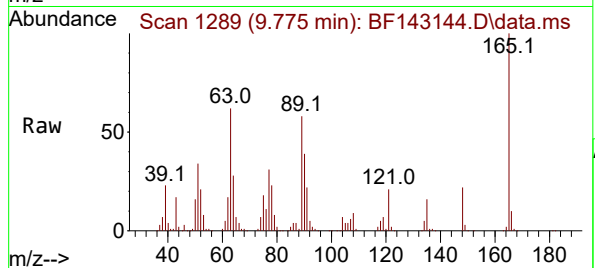
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

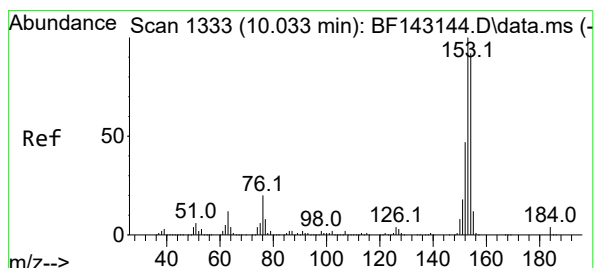
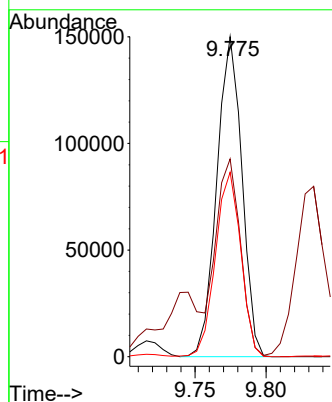
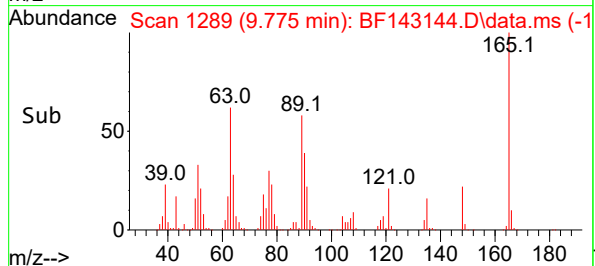
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 18424
Ion Ratio Lower Upper
165 100
63 61.8 49.4 74.2
89 57.7 46.2 69.2

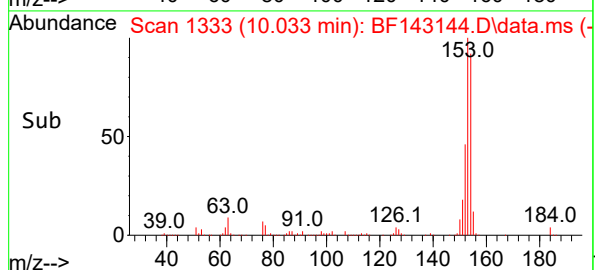
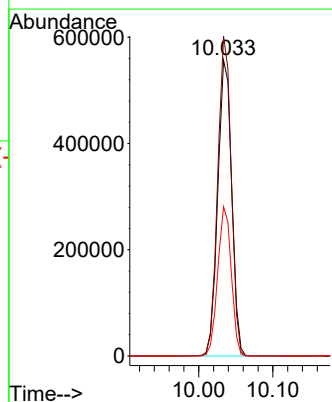
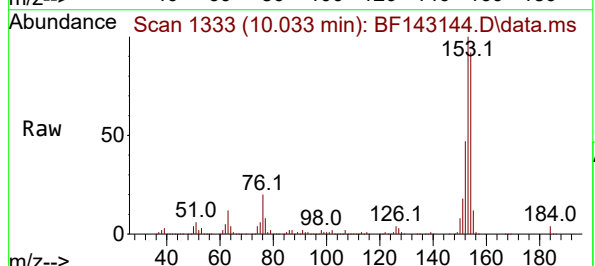
Manual Integrations
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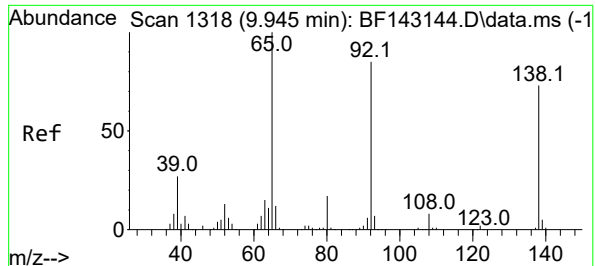
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

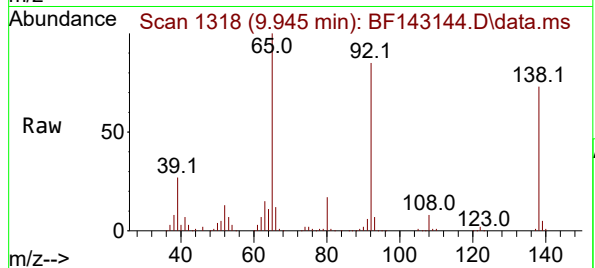
Tgt Ion:154 Resp: 727386
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 50.5 40.4 60.6





#53
3-Nitroaniline
Concen: 40.832 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

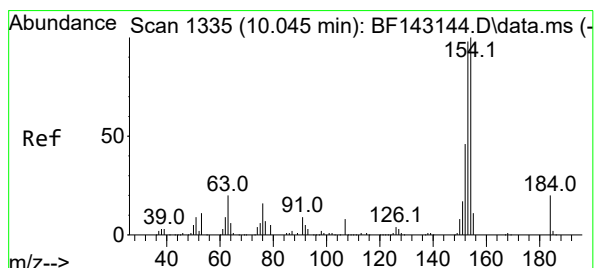
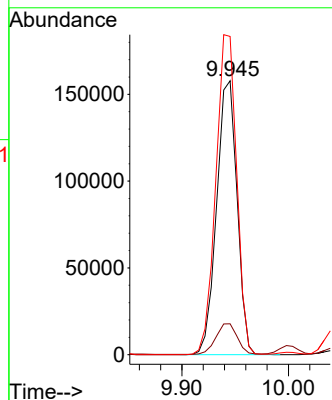
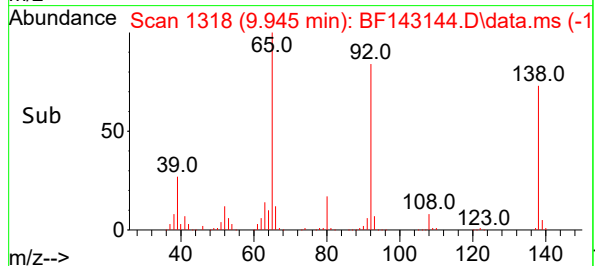
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:138 Resp: 210179
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.6
92 116.2 93.0 139.4

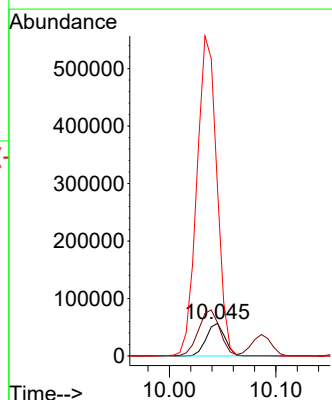
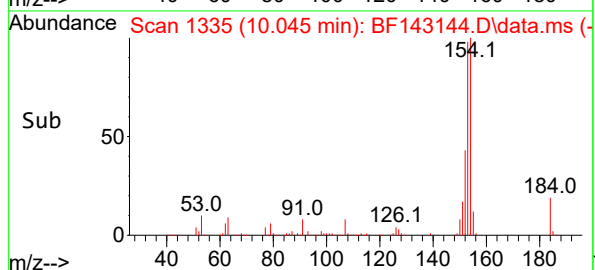
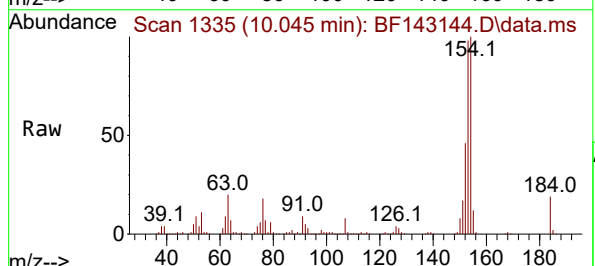
Manual Integrations
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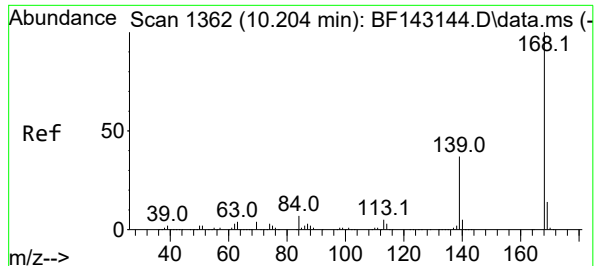
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

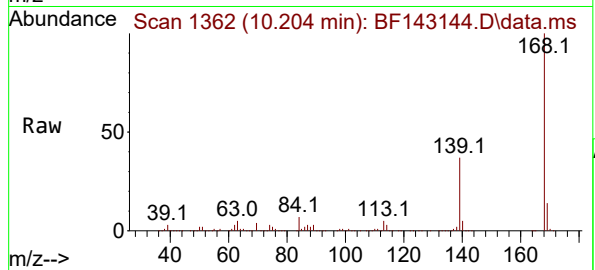
Tgt Ion:184 Resp: 69157
Ion Ratio Lower Upper
184 100
63 102.2 81.8 122.6
154 515.3 412.2 618.4





#55
Dibenzenofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

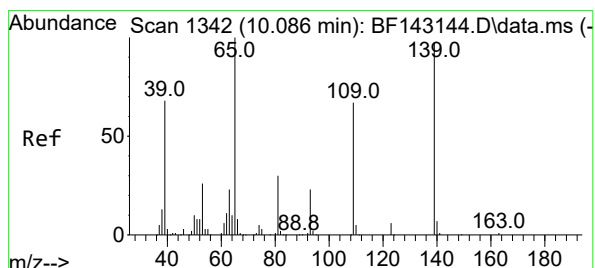
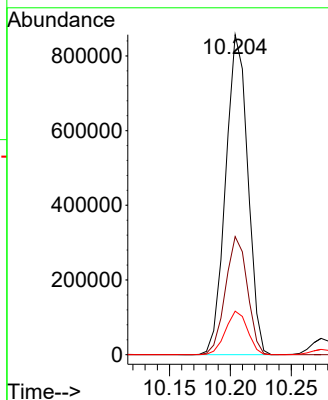
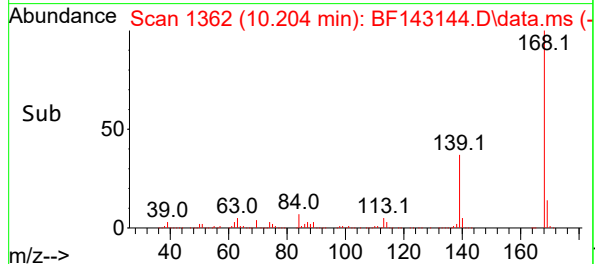
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:168 Resp: 1083678
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.6 10.9 16.3

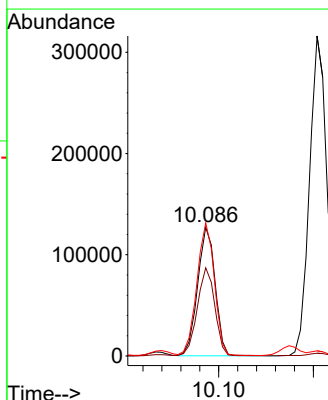
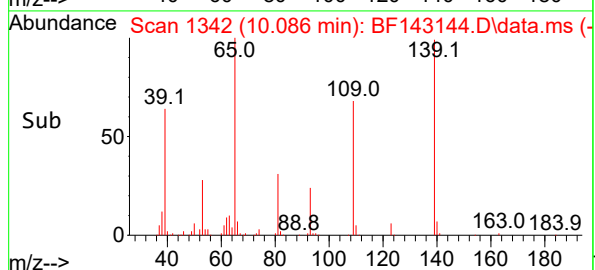
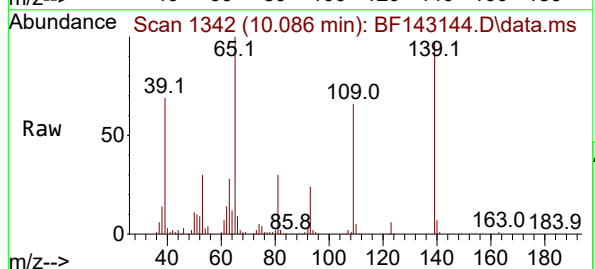
Manual Integrations
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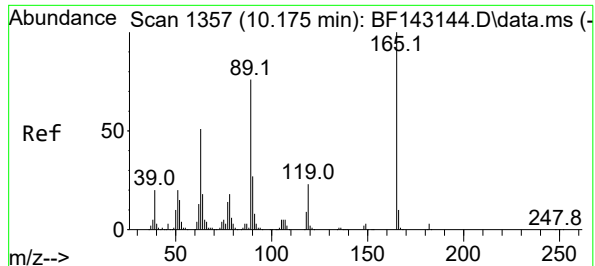
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

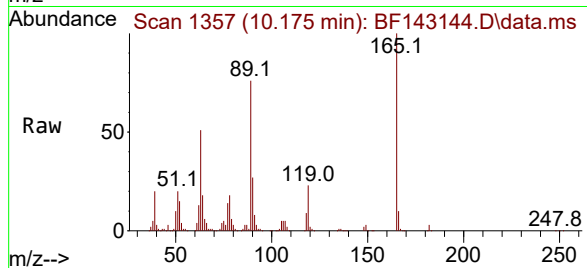
Tgt Ion:139 Resp: 163009
Ion Ratio Lower Upper
139 100
109 68.5 48.5 88.5
65 103.4 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

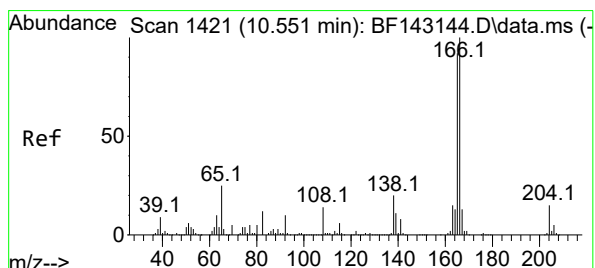
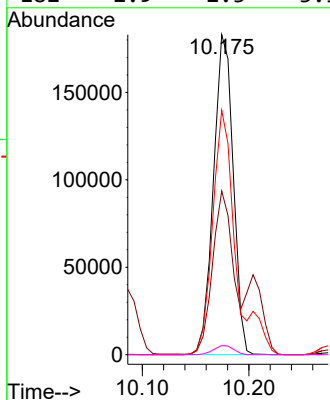
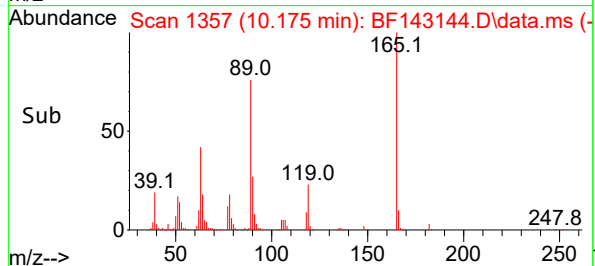
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 23510
Ion Ratio Lower Upper
165 100
63 51.2 41.0 61.4
89 76.4 61.1 91.7
182 2.9 2.3 3.5

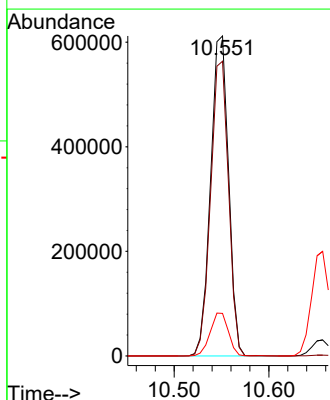
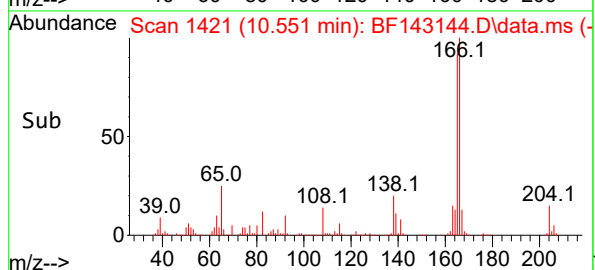
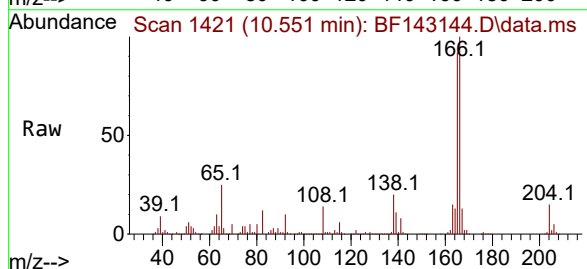
Manual Integrations
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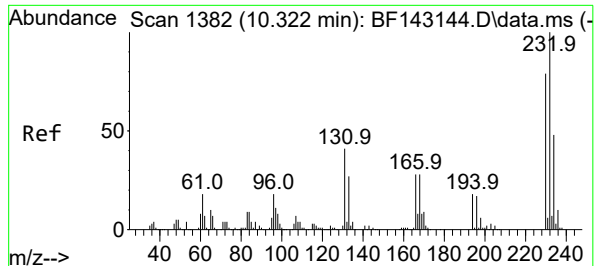
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

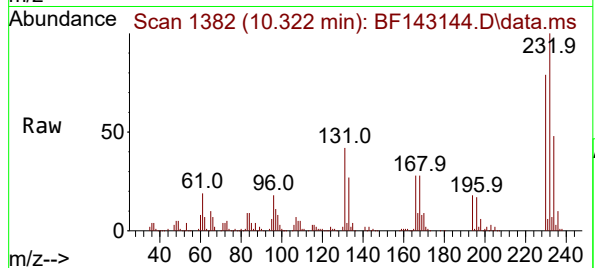
Tgt Ion:166 Resp: 804336
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

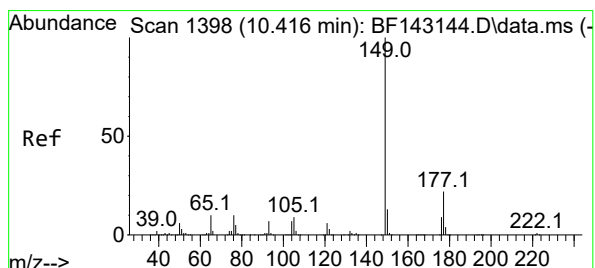
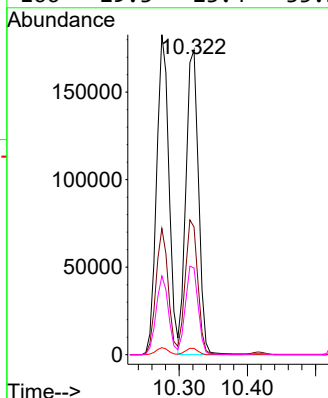
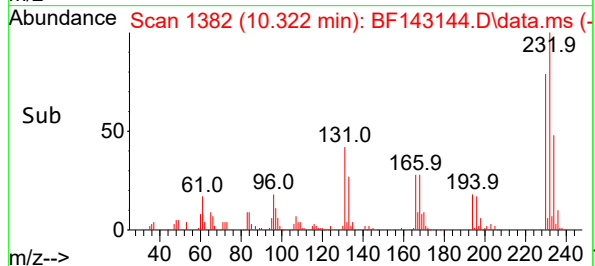
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 220872
Ion Ratio Lower Upper
232 100
131 44.1 35.3 52.9
130 2.1 1.7 2.5
166 29.3 23.4 35.2

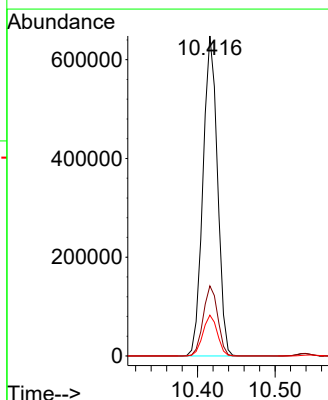
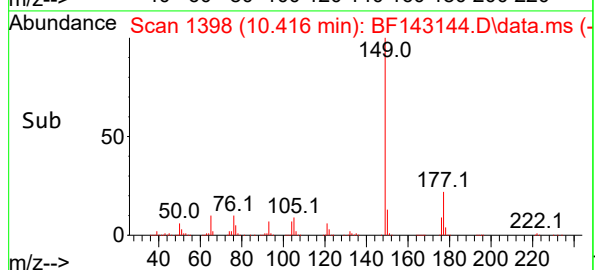
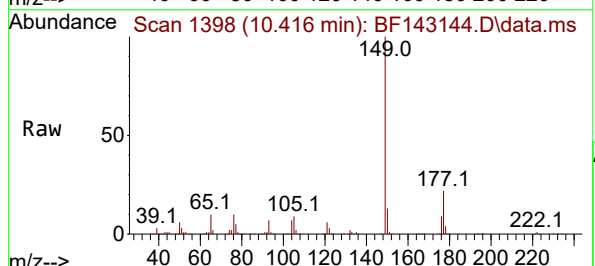
Manual Integrations
APPROVED

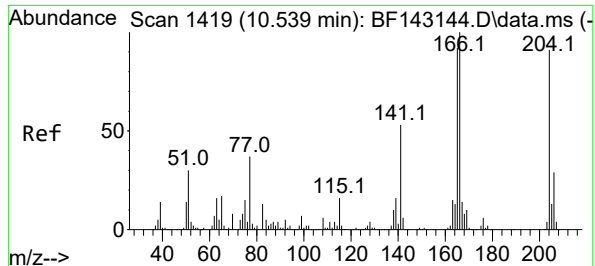
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

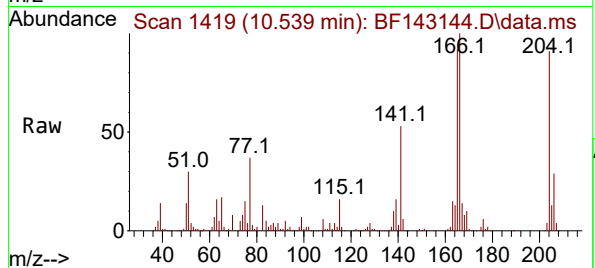
Tgt Ion:149 Resp: 842184
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

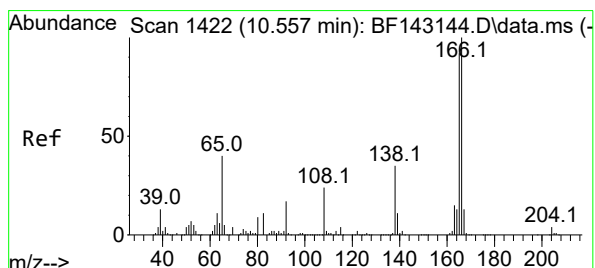
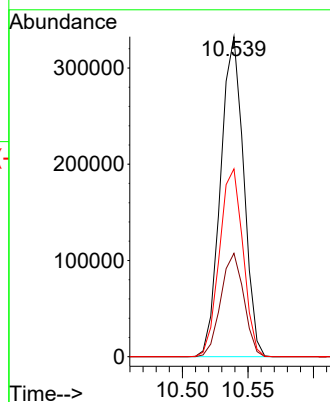
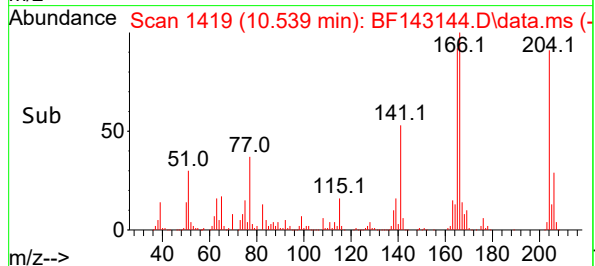
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



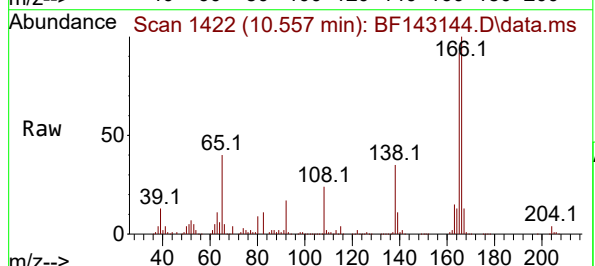
Tgt Ion:204 Resp: 40647
Ion Ratio Lower Upper
204 100
206 32.3 25.8 38.8
141 58.7 47.0 70.4

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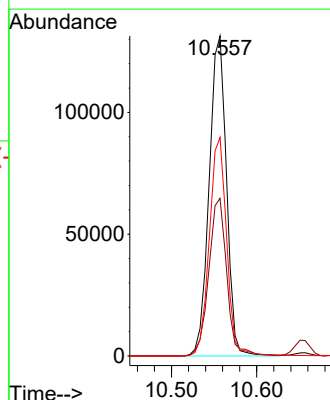
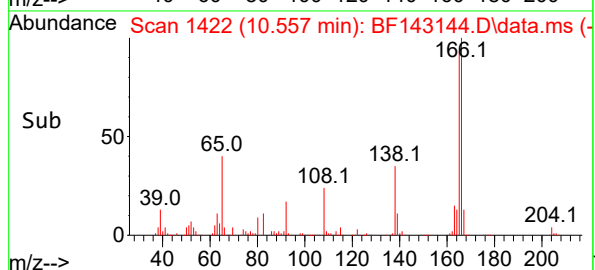
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

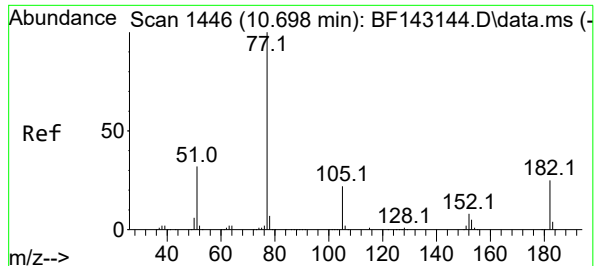


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



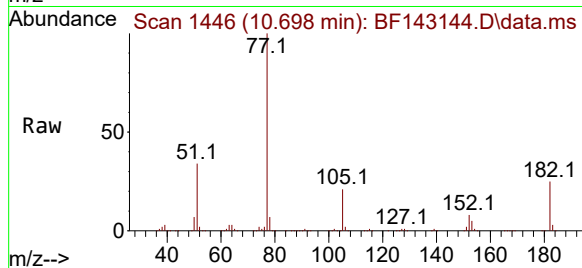
Tgt Ion:138 Resp: 185530
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 68.3 48.3 88.3





#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

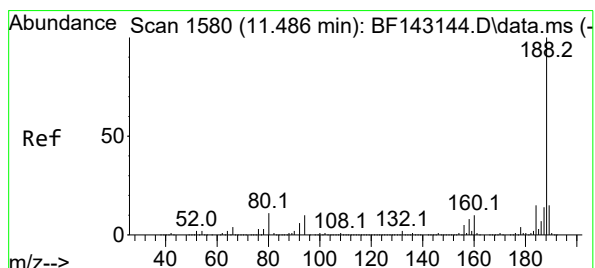
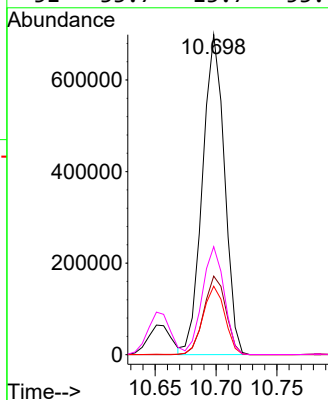
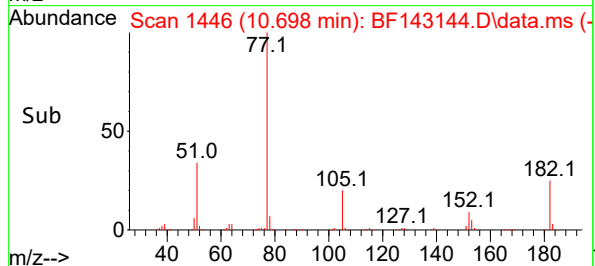
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



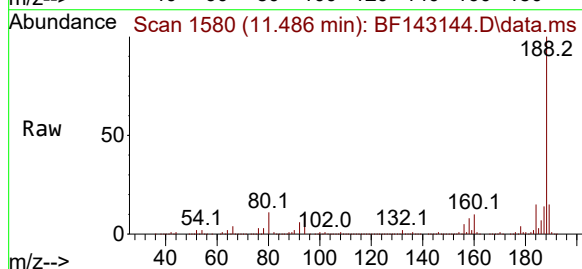
Tgt Ion: 77 Resp: 87638
Ion Ratio Lower Upper
77 100
182 24.6 4.6 44.6
105 21.4 1.4 41.4
51 33.7 13.7 53.7

Manual Integrations
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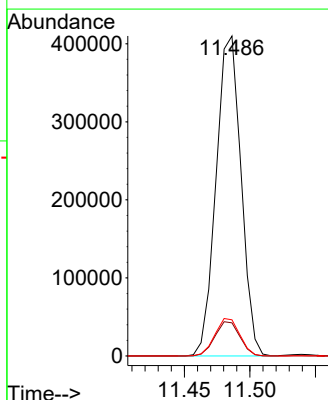
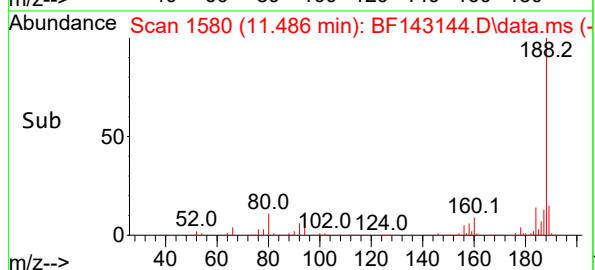
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

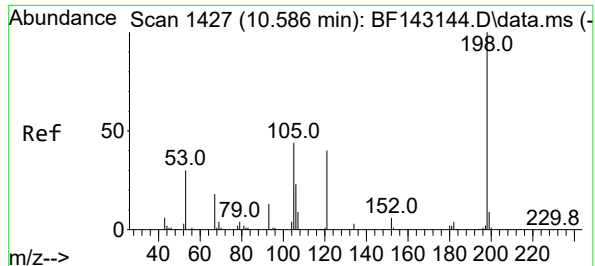


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



Tgt Ion:188 Resp: 542726
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.3 9.0 13.6





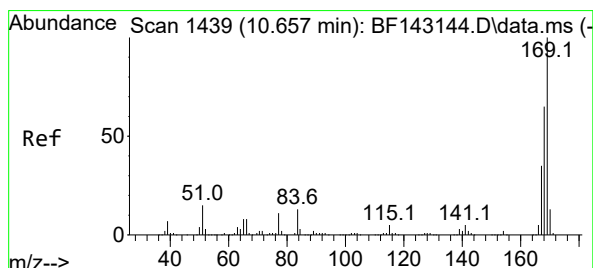
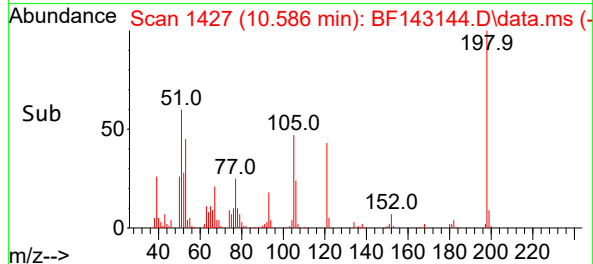
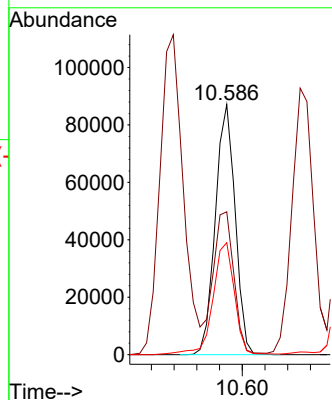
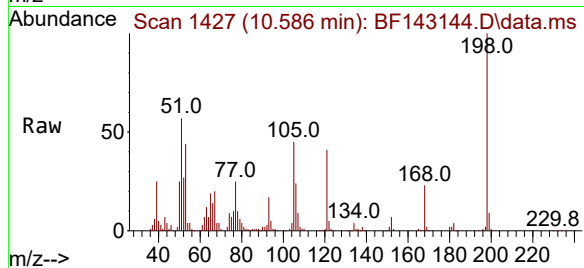
#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 105532
Ion Ratio Lower Upper
198 100
51 57.2 37.2 77.2
105 44.8 24.8 64.8

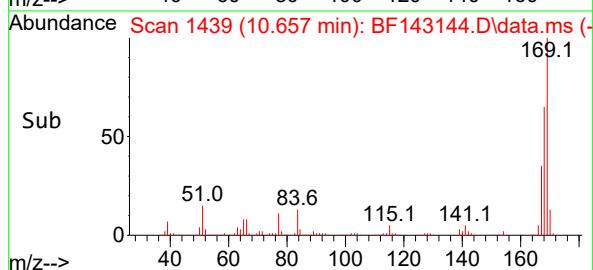
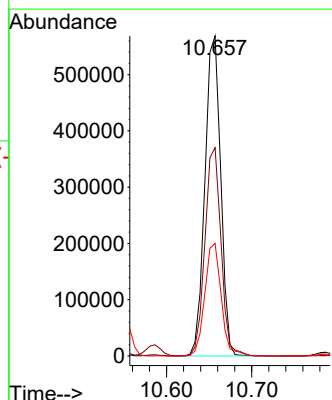
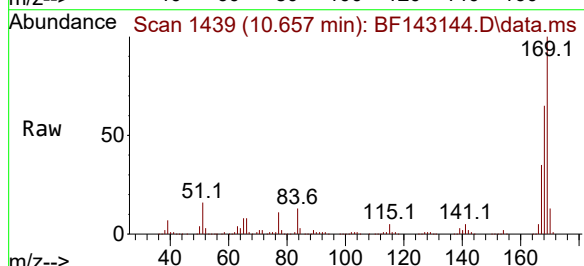
Manual Integrations
APPROVED

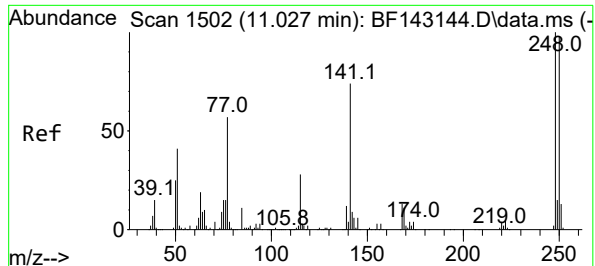
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

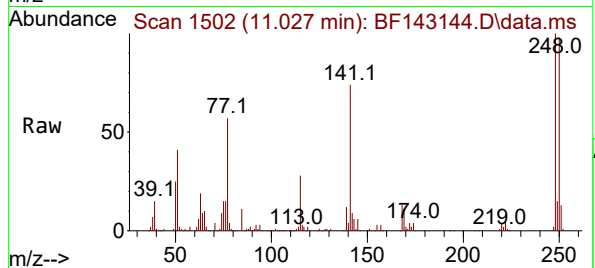
Tgt Ion:169 Resp: 731532
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.2 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

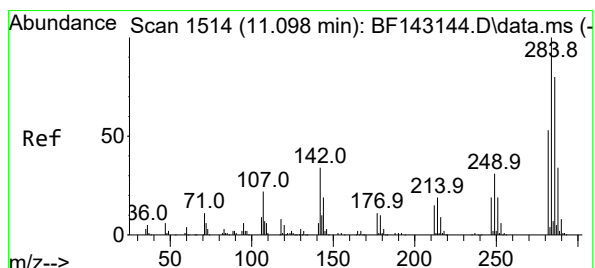
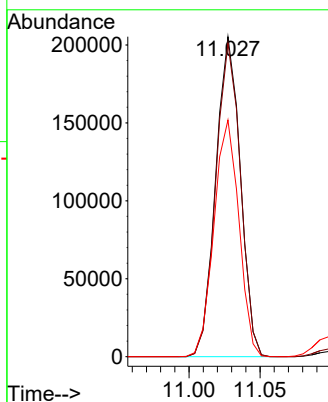
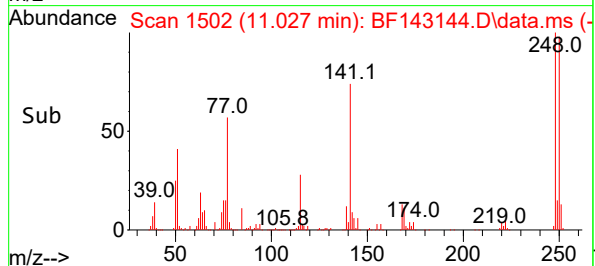
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



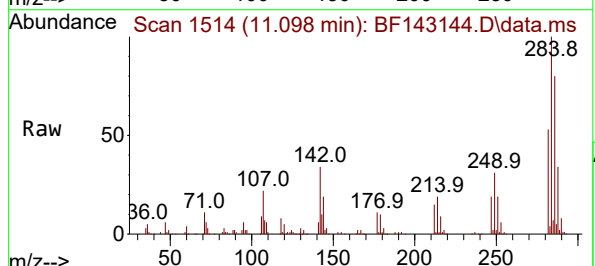
Tgt Ion:248 Resp: 247764
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 74.0 59.2 88.8

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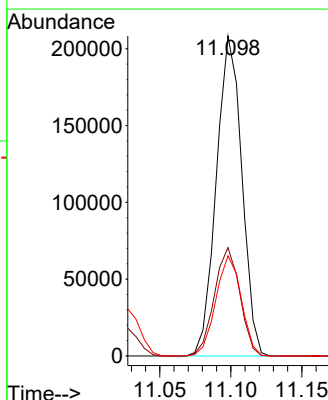
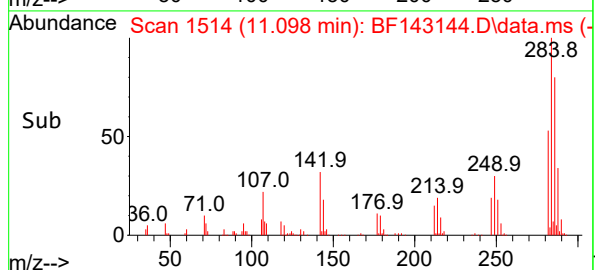
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

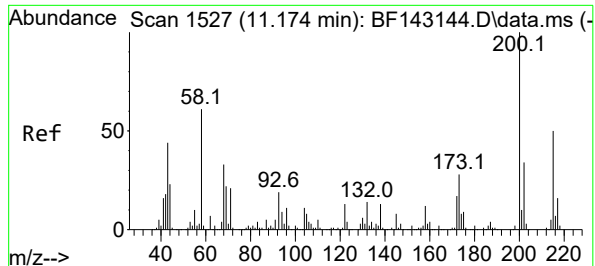


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



Tgt Ion:284 Resp: 259758
Ion Ratio Lower Upper
284 100
142 33.8 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.421 ng

RT: 11.174 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:200 Resp: 212970

Ion Ratio Lower Upper

200 100

173 27.9 7.9 47.9

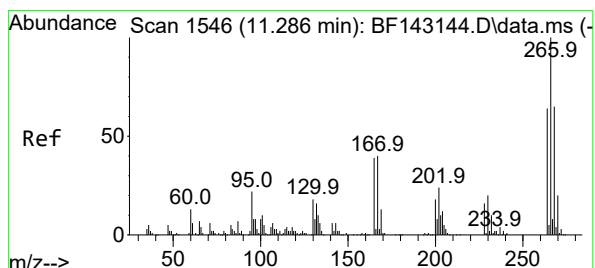
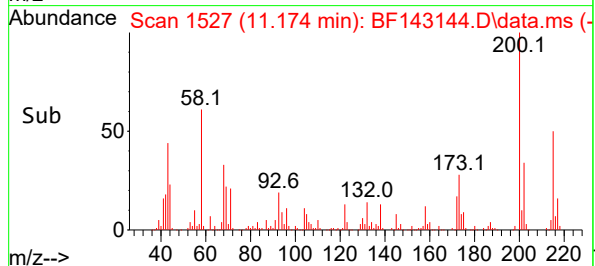
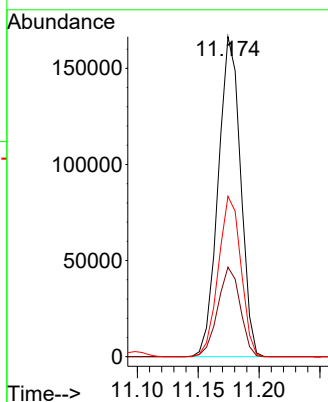
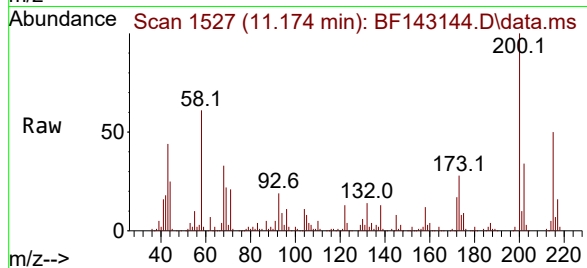
215 50.1 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 40.500 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

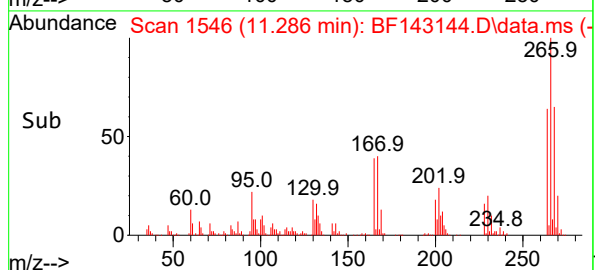
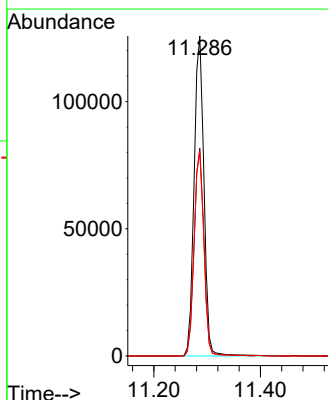
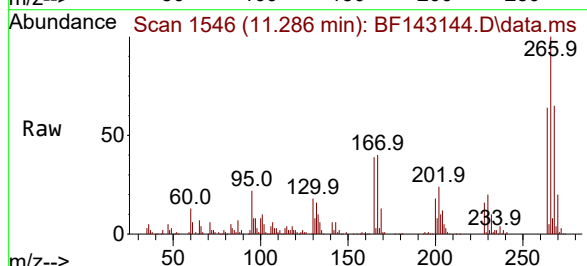
Tgt Ion:266 Resp: 161013

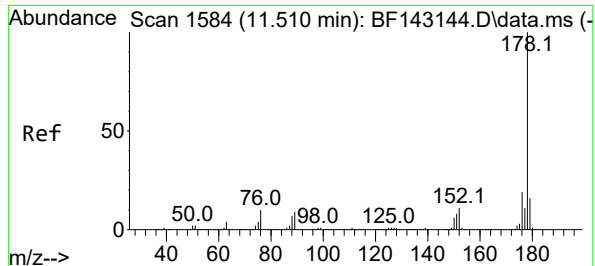
Ion Ratio Lower Upper

266 100

268 64.9 51.9 77.9

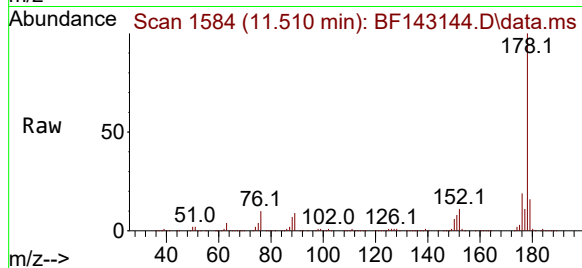
264 63.8 51.0 76.6





#71
Phenanthrene
Concen: 38.429 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

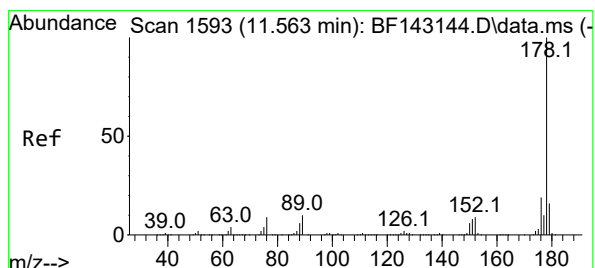
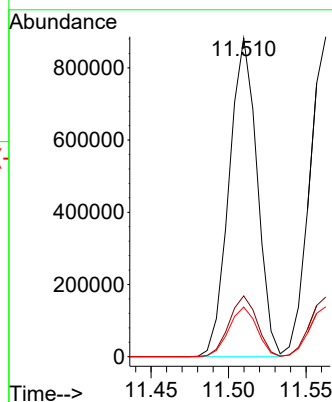
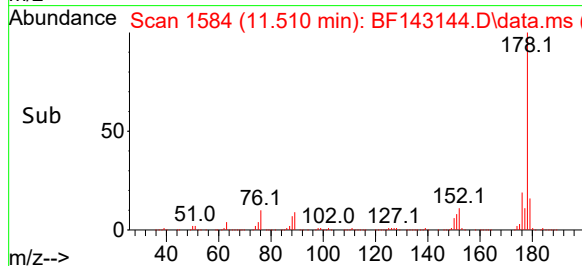
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:178 Resp: 1107412
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

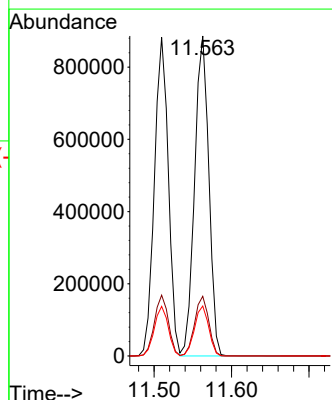
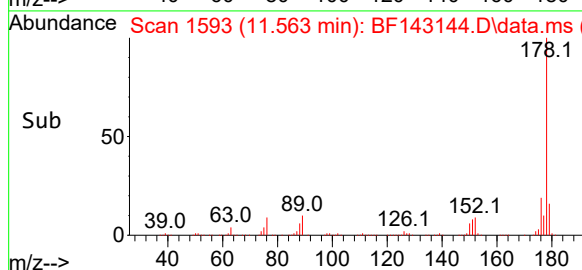
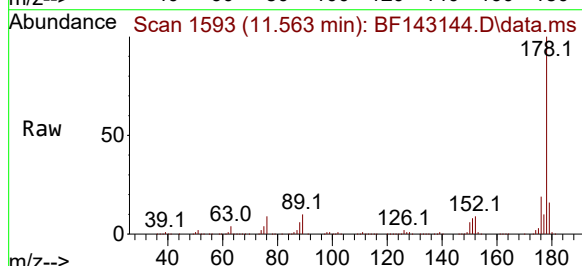
Manual Integrations
APPROVED

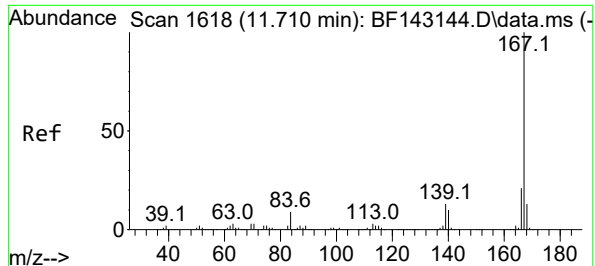
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

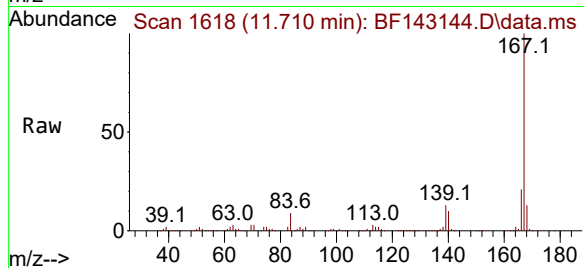
Tgt Ion:178 Resp: 1126710
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.5 18.7





#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

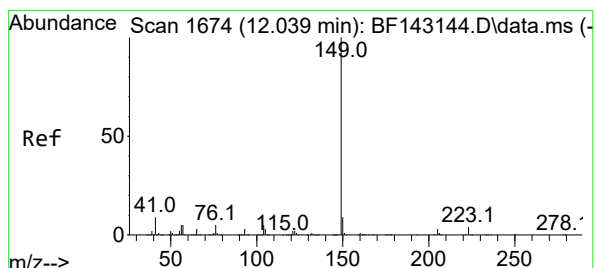
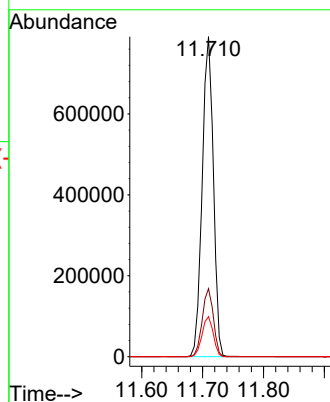
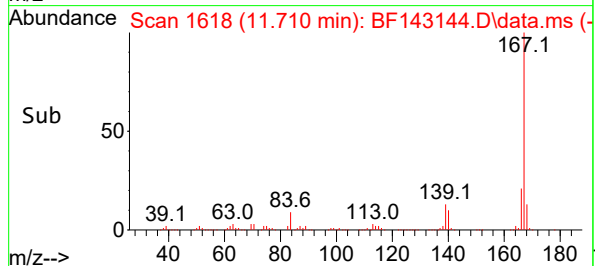
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



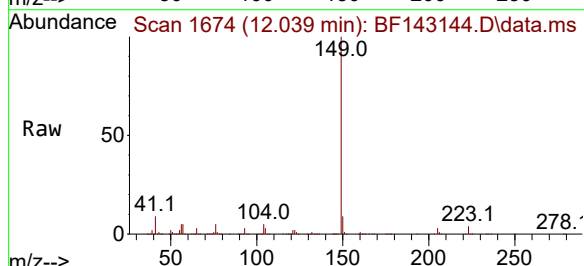
Tgt Ion:167 Resp: 1008669
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.5 10.0 15.0

Manual Integrations
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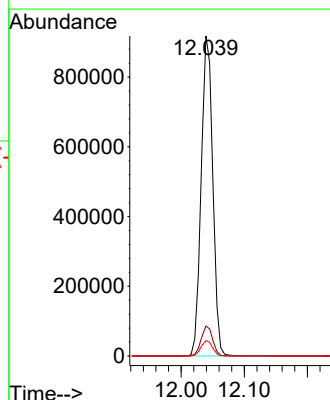
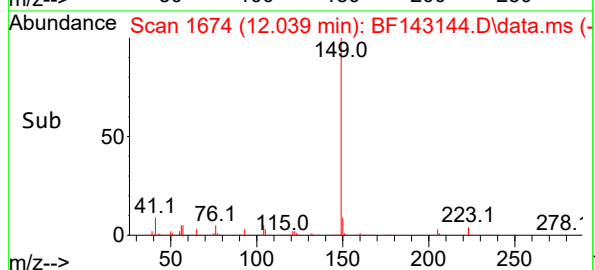
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

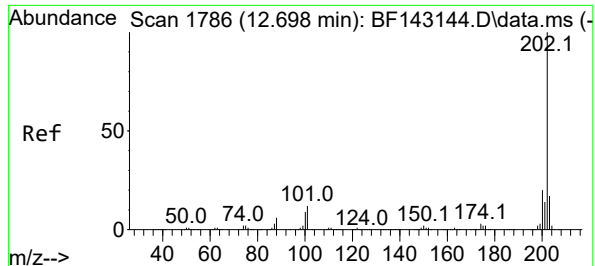


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



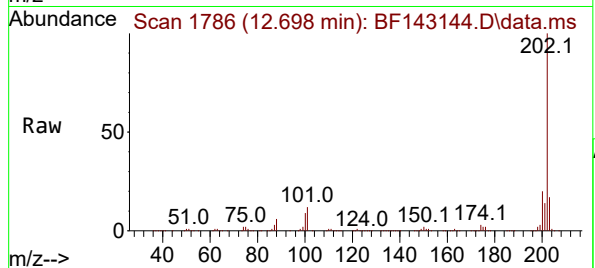
Tgt Ion:149 Resp: 1165443
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.8 5.8





#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

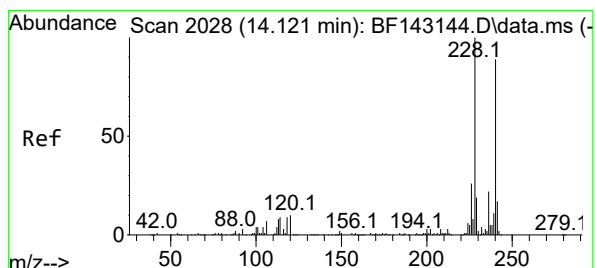
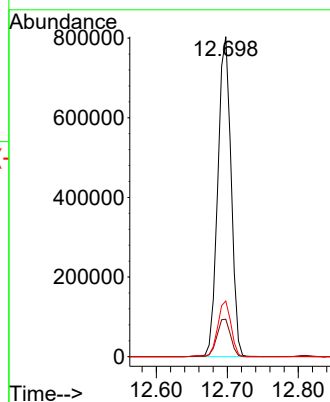
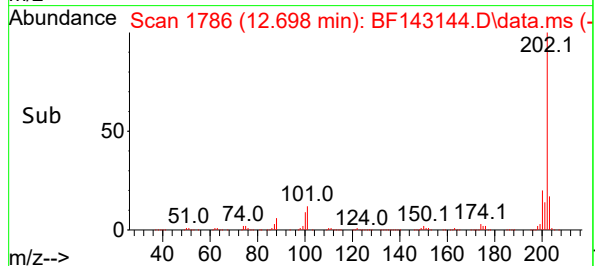
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 1034509
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.4

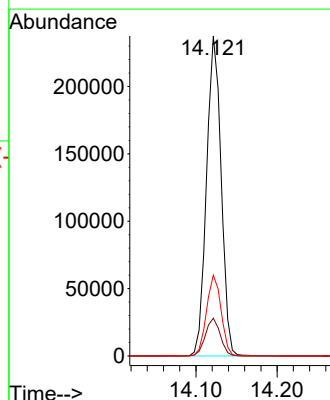
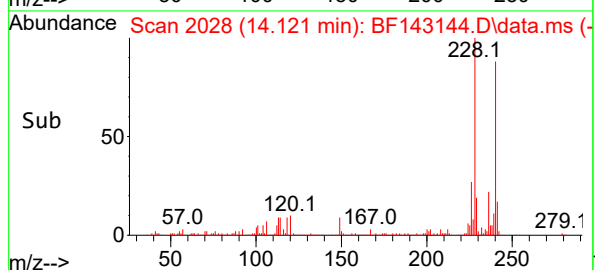
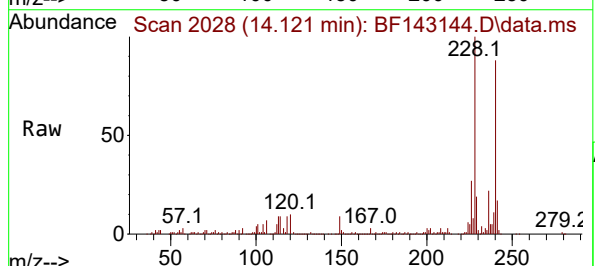
Manual Integrations
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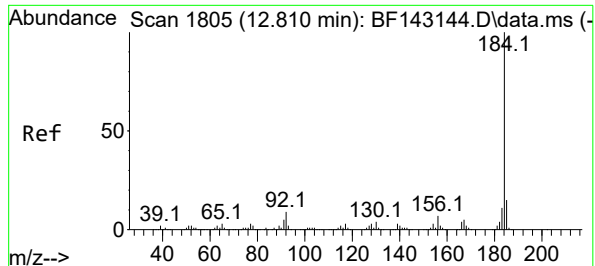
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

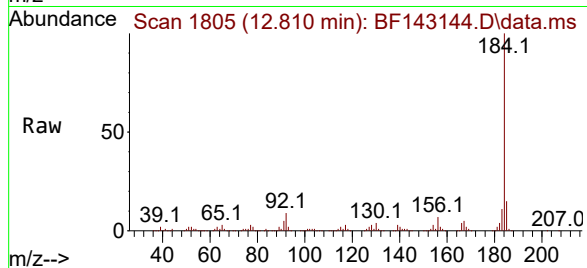
Tgt Ion:240 Resp: 296414
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.3 20.2 30.4





#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

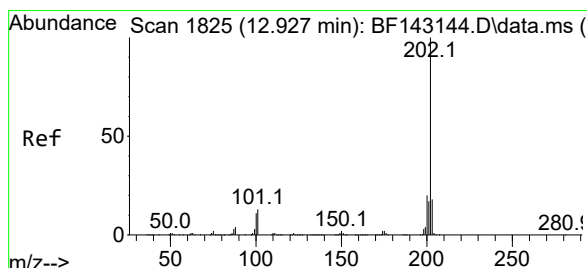
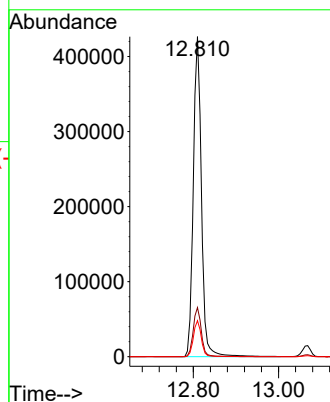
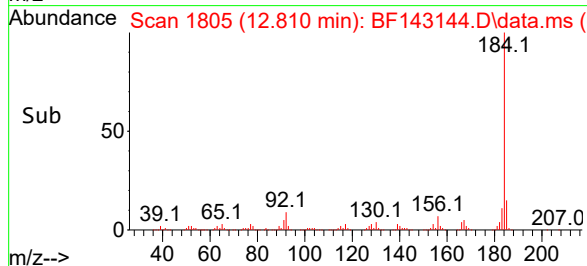
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:184 Resp: 564732
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 11.2 9.0 13.4

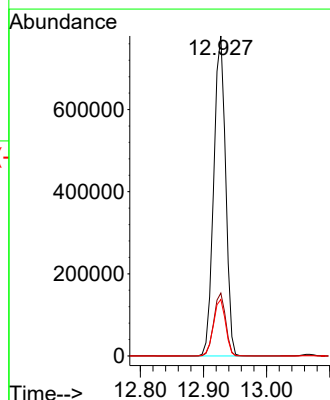
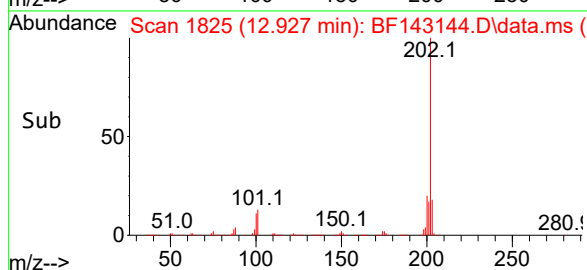
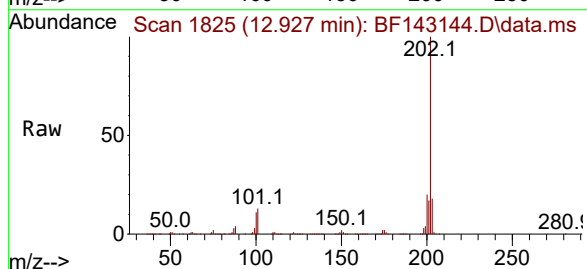
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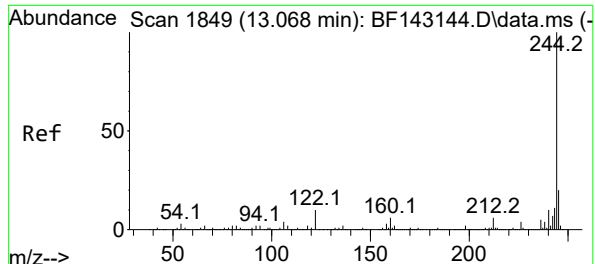
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 1016822
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 78.063 ng

RT: 13.068 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:244 Resp: 155492

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

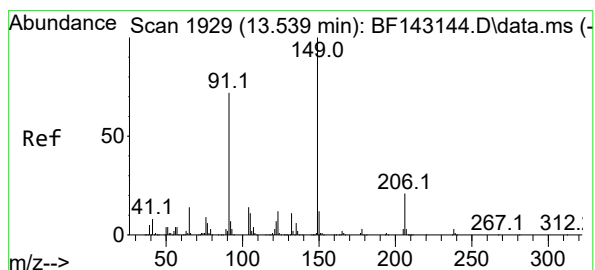
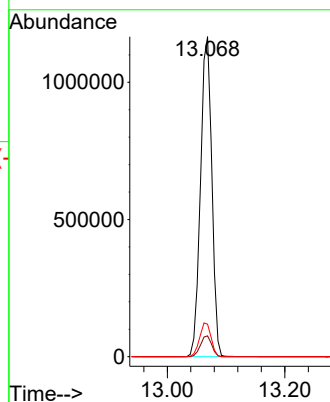
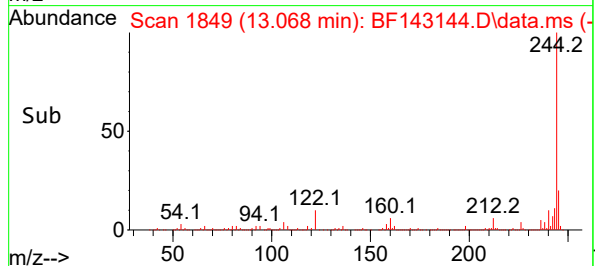
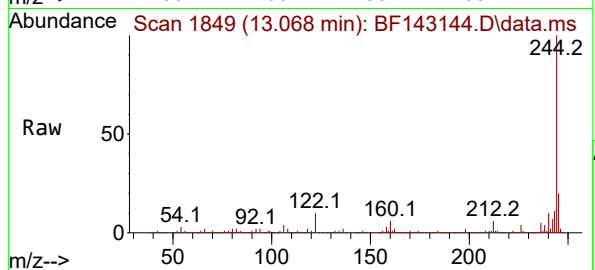
122 10.2 8.2 12.2

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 41.603 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

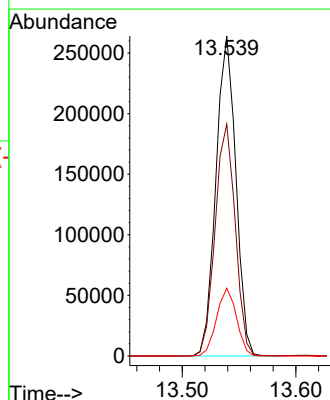
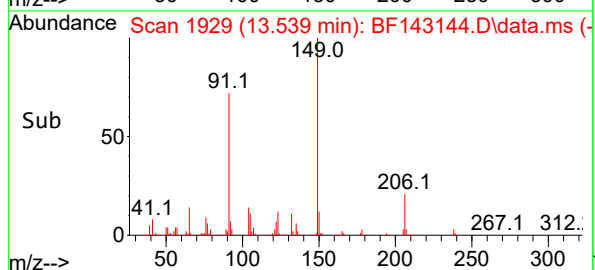
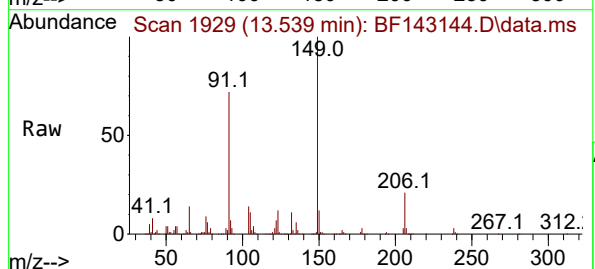
Tgt Ion:149 Resp: 322273

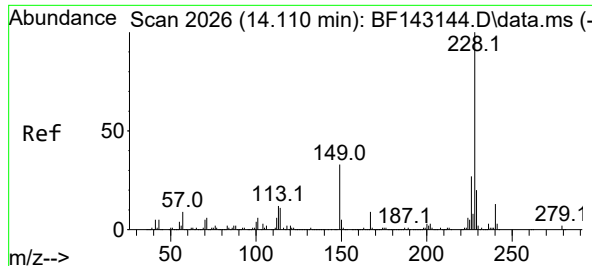
Ion Ratio Lower Upper

149 100

91 72.4 57.9 86.9

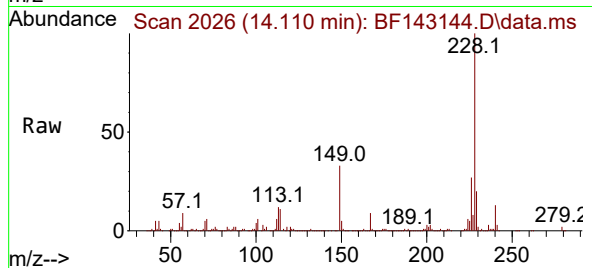
206 21.2 17.0 25.4





#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

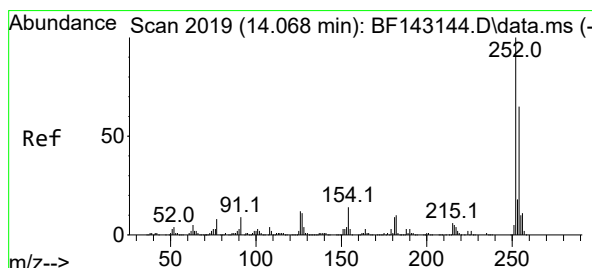
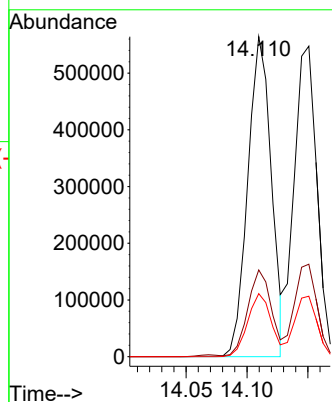
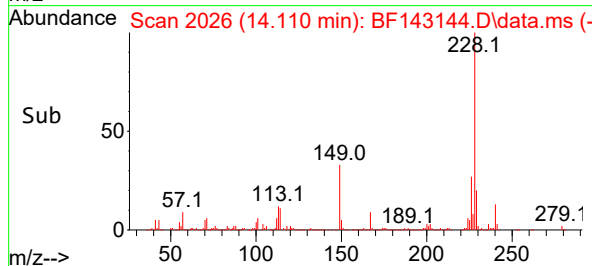
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



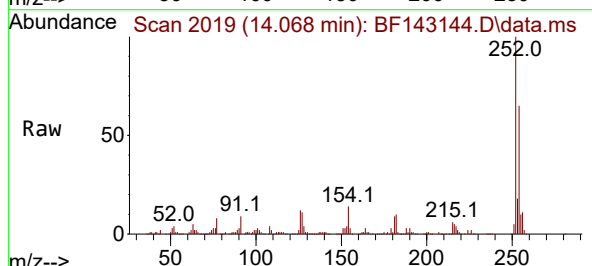
Tgt Ion:228 Resp: 759720
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.7 15.8 23.6

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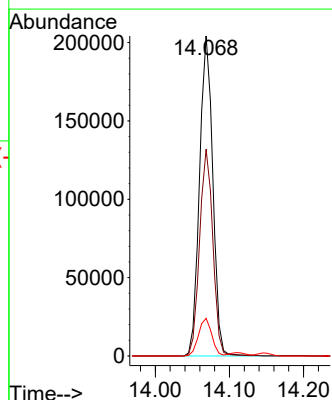
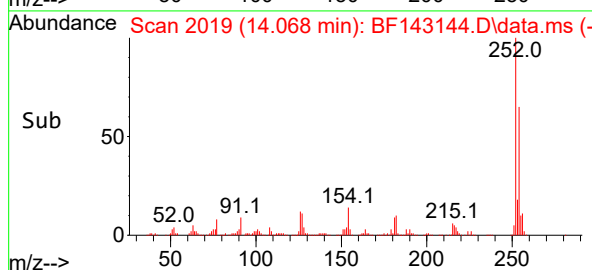
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

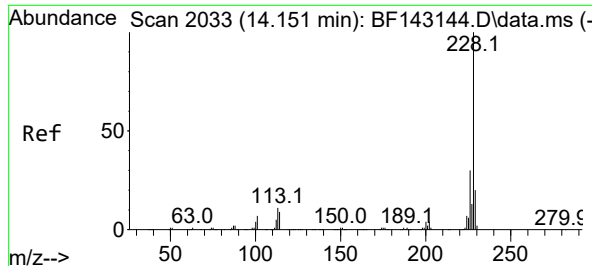


#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03



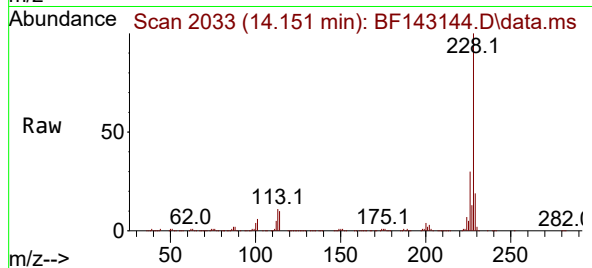
Tgt Ion:252 Resp: 254099
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.7 9.4 14.0





#83
Chrysene
Concen: 40.085 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

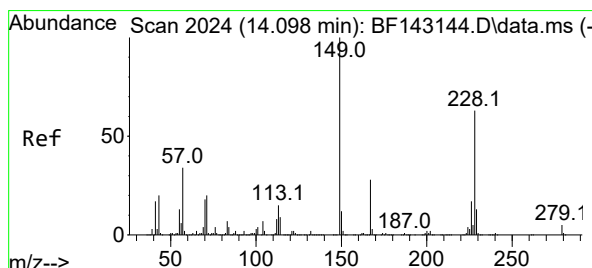
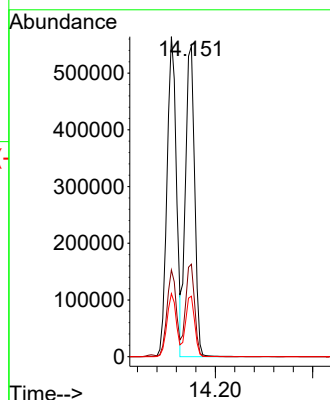
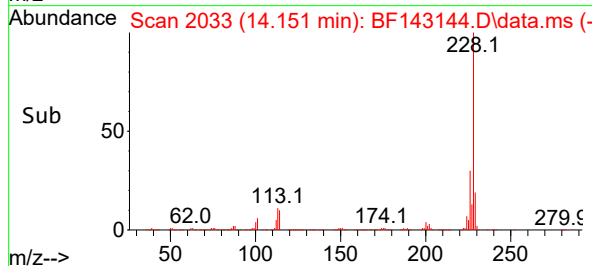
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 715222
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.5 15.6 23.4

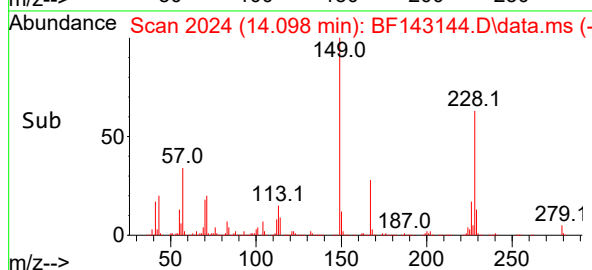
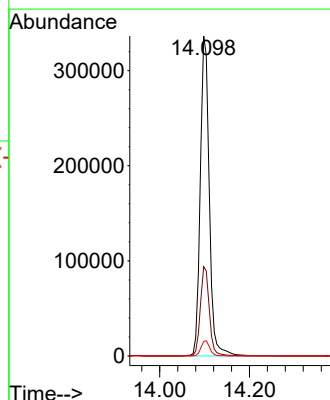
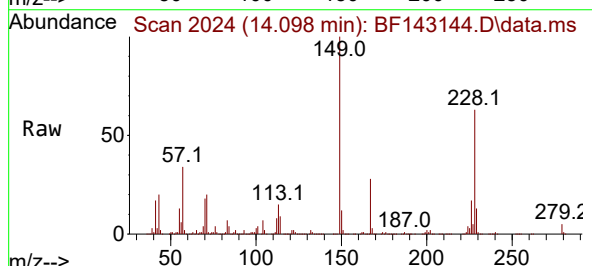
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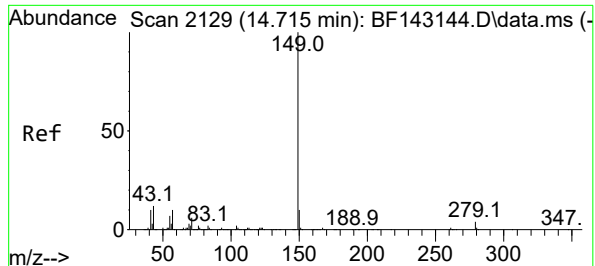
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

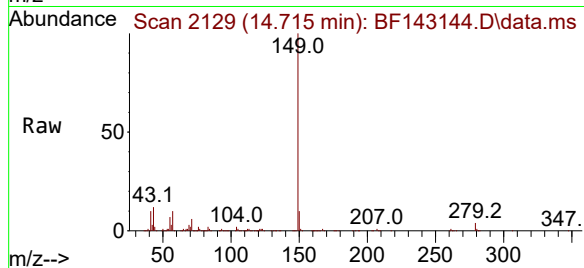
Tgt Ion:149 Resp: 467892
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.5 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

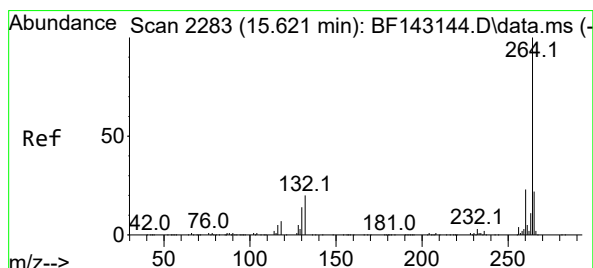
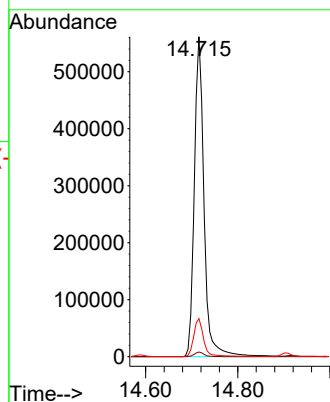
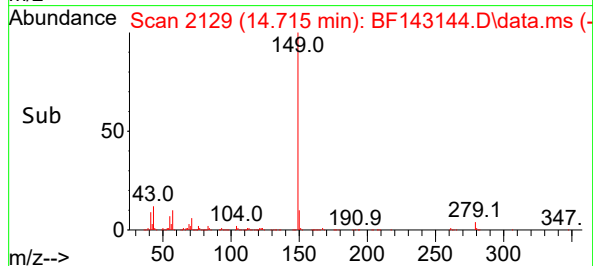
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 820264
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 12.1 9.7 14.5

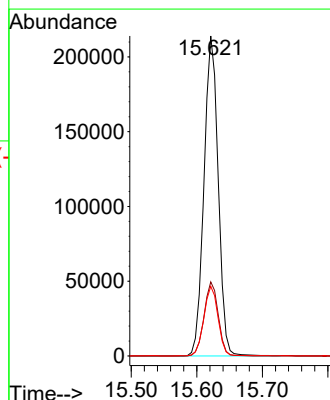
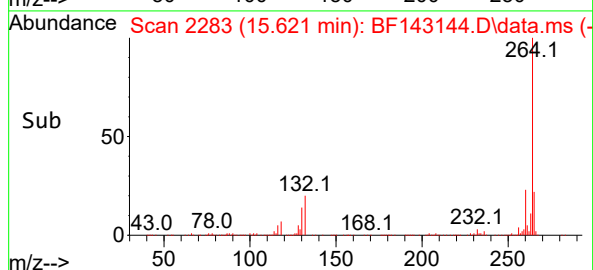
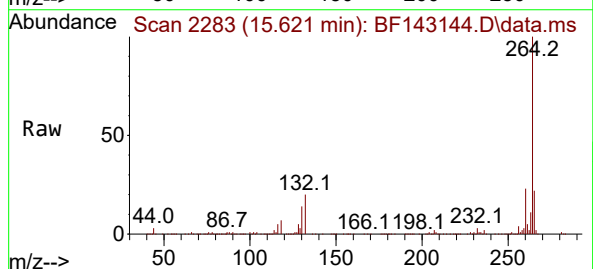
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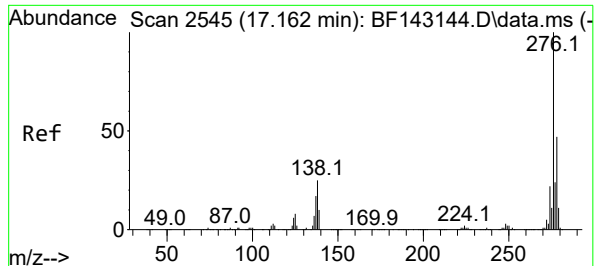
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

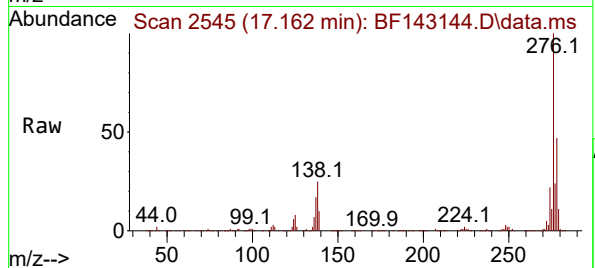
Tgt Ion:264 Resp: 323574
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 2545
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

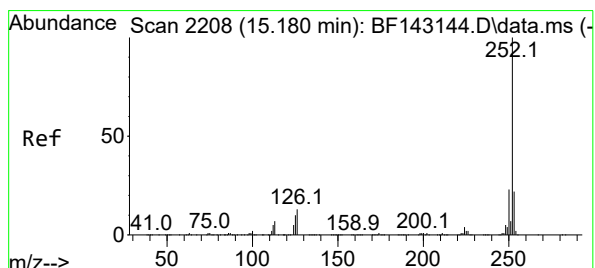
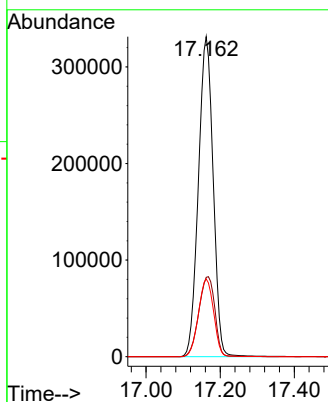
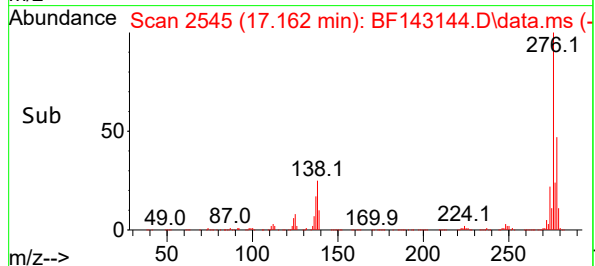
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:276 Resp: 914620
Ion Ratio Lower Upper
276 100
138 27.2 21.8 32.6
277 25.0 20.0 30.0

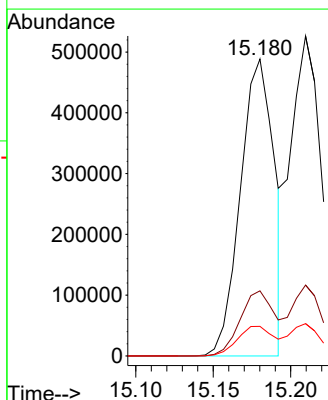
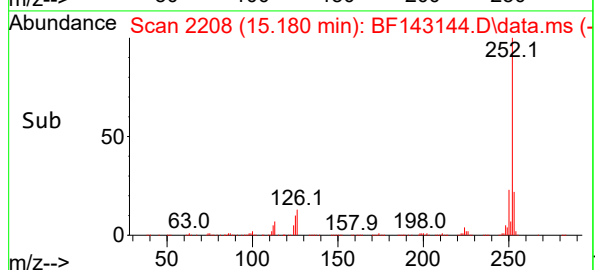
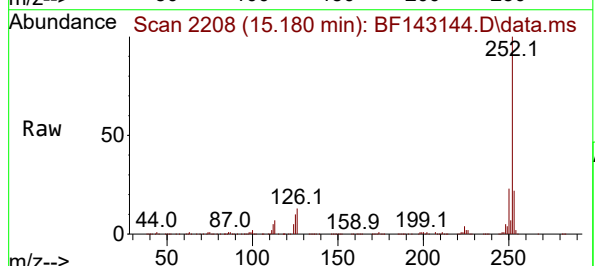
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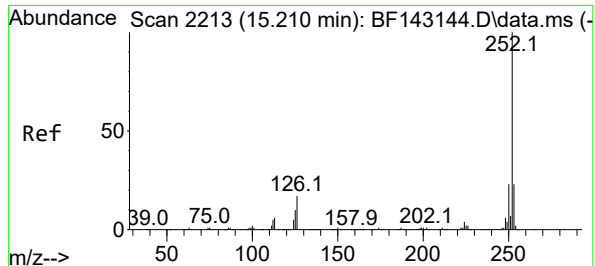
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 742346
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.0 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 41.591 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 73363

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

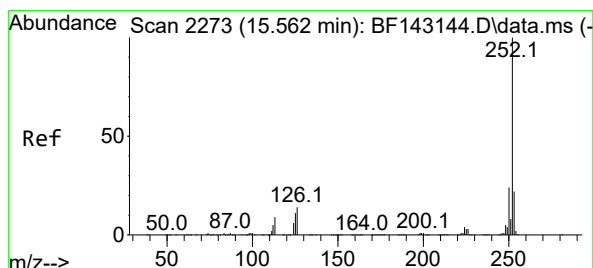
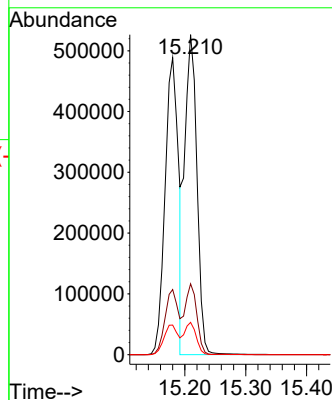
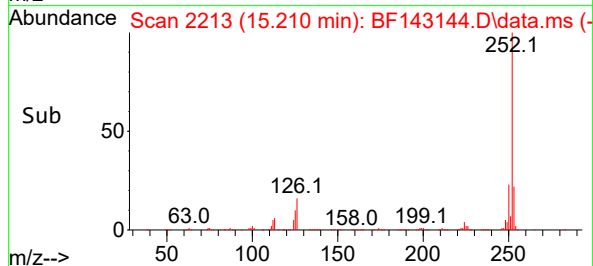
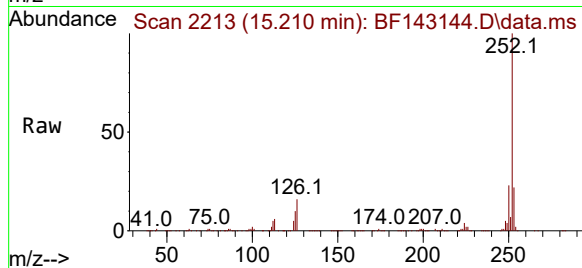
125 10.1 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 39.826 ng

RT: 15.562 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143144.D

Acq: 17 Jul 2025 13:03

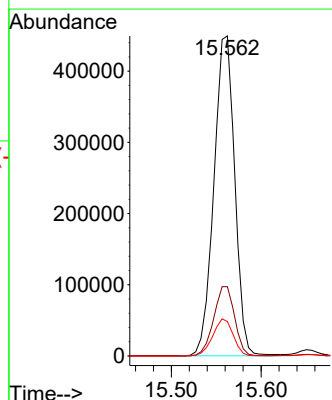
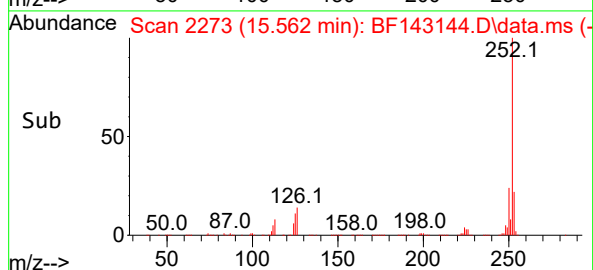
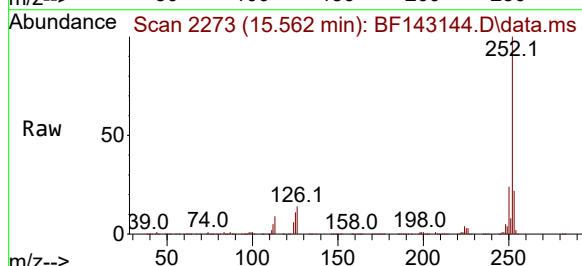
Tgt Ion:252 Resp: 725344

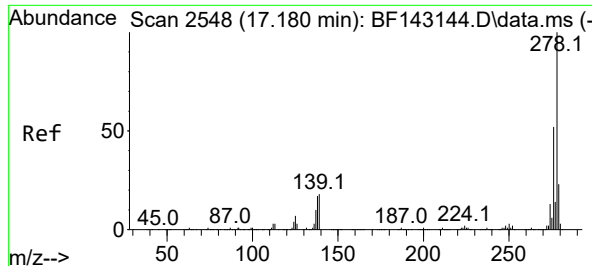
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

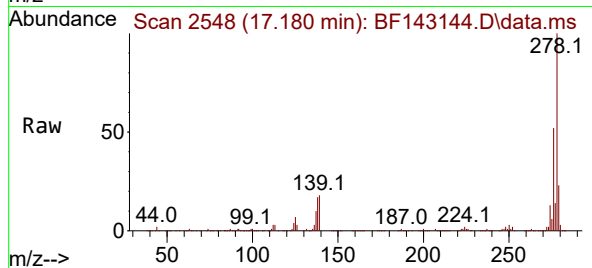
125 10.8 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 39.964 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

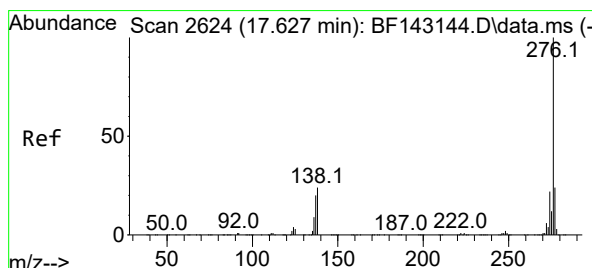
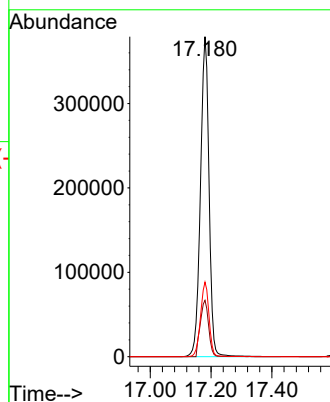
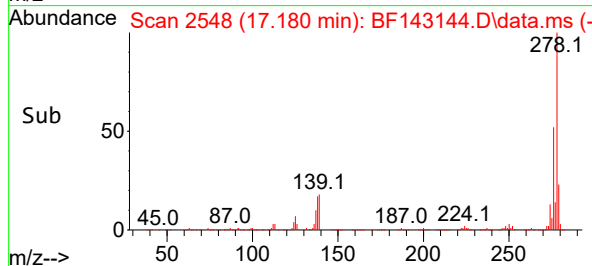
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:278 Resp: 742180
Ion Ratio Lower Upper
278 100
139 17.6 14.1 21.1
279 23.3 18.6 28.0

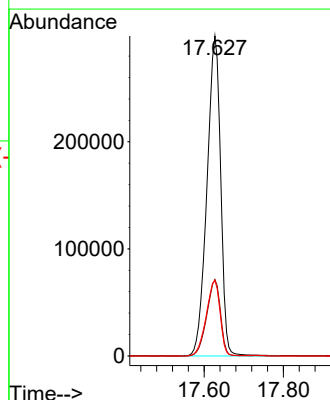
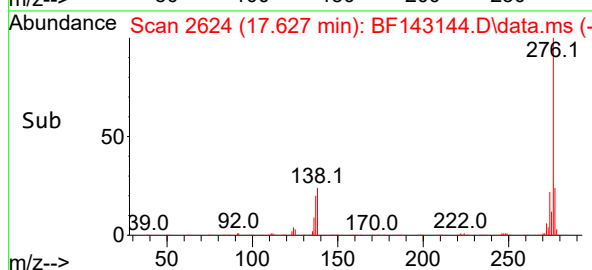
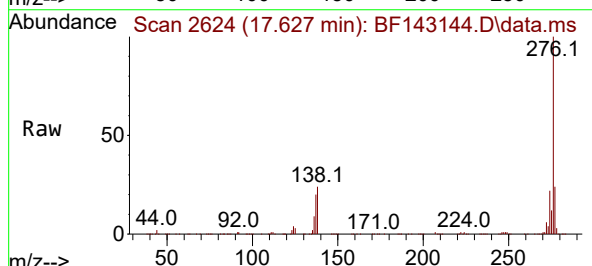
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 717648
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.6 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng	0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng	0.00
86) Perylene-d12	15.621	264	282289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	927268	101.629	ng	0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng	0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng	0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng	100
3) Pyridine	3.587	79	584060	52.122	ng	99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng	100
6) Aniline	6.628	93	827275	51.687	ng	100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng	98
9) Benzaldehyde	6.516	77	509476	59.162	ng	99
10) Phenol	6.598	94	645540m	51.598	ng	
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng	99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng	99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng	99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng	100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng	99
17) 2-Methylphenol	7.204	107	418793	52.079	ng	100
18) Hexachloroethane	7.481	117	189394	52.289	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng	99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	# 89
22) Acetophenone	7.369	105	661017	50.258	ng	98
24) Nitrobenzene	7.545	77	538666	51.843	ng	100
25) Isophorone	7.786	82	1018783	51.783	ng	99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng	98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng	100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng	99
31) Naphthalene	8.269	128	1369627	50.060	ng	100
32) Benzoic acid	7.998	122	273361m	52.352	ng	
33) 4-Chloroaniline	8.310	127	566422	50.703	ng	99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng	99
35) Caprolactam	8.680	113	126050	53.811	ng	96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng	98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng	100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng	100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng	100

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 Data File : BF143145.D
 Acq On : 17 Jul 2025 13:33
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

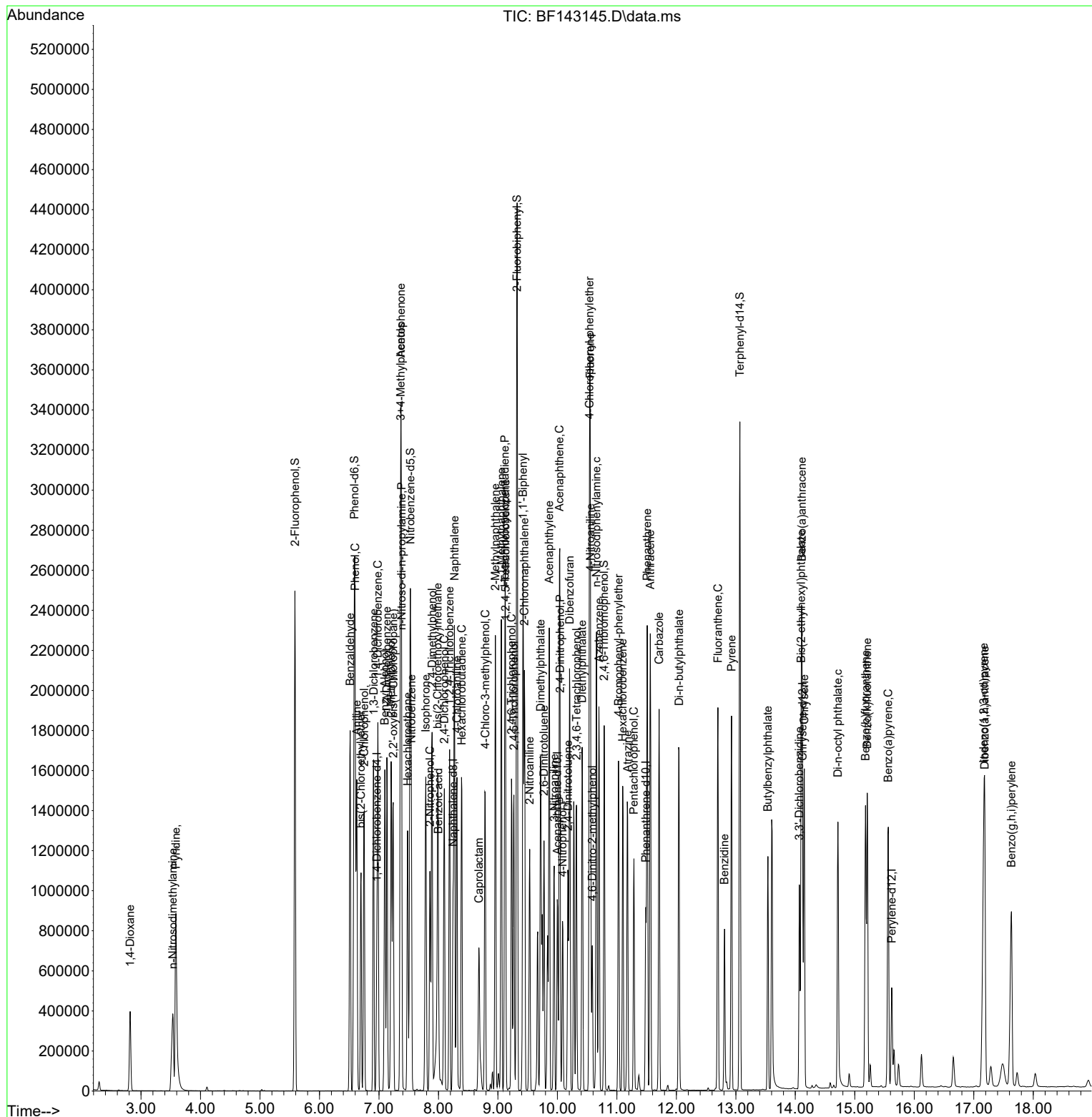
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

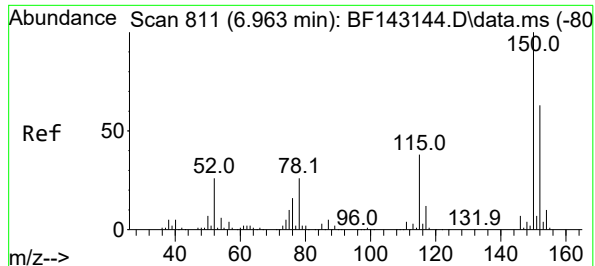
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Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

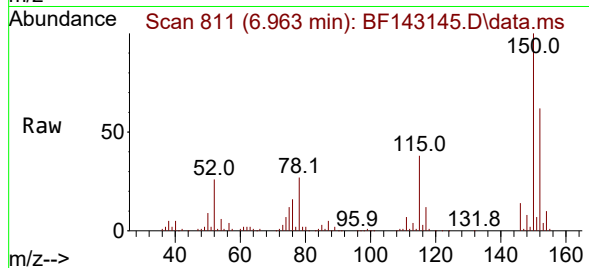
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

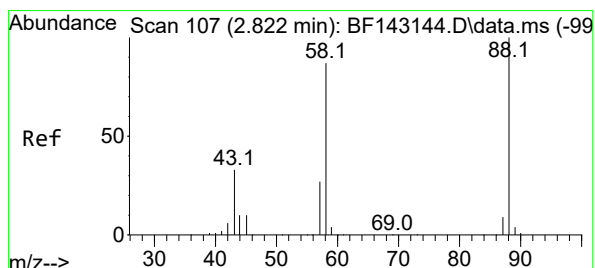
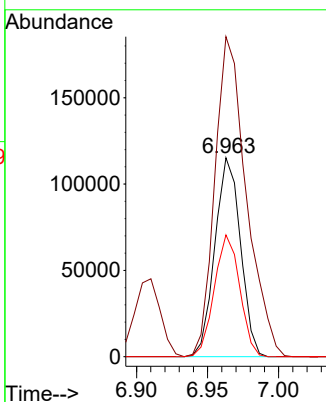
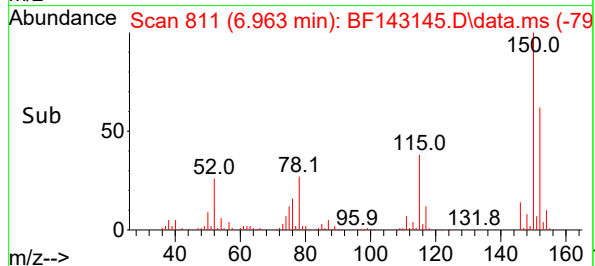
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BNA_F
ClientSampleId :
SSTDICC050



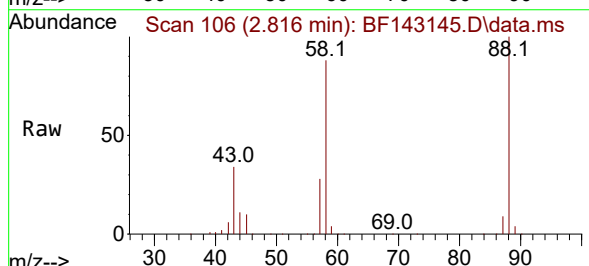
Tgt Ion:152 Resp: 144385
Ion Ratio Lower Upper
152 100
150 160.9 128.2 192.4
115 61.2 47.9 71.9

Manual Integrations
APPROVED

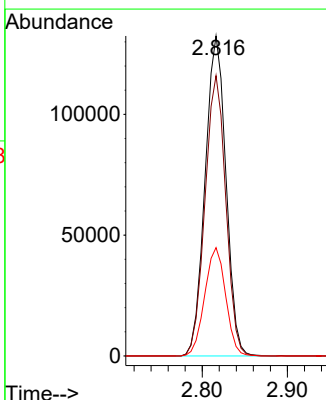
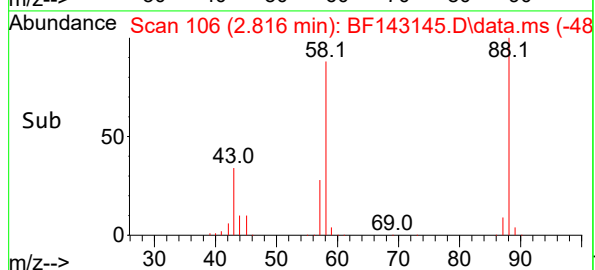
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

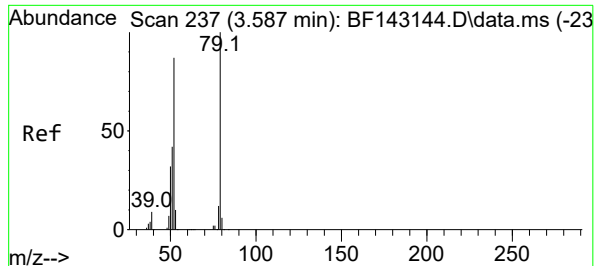


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



Tgt Ion: 88 Resp: 225749
Ion Ratio Lower Upper
88 100
58 87.3 70.2 105.2
43 34.0 27.1 40.7





#3

Pyridine

Concen: 52.122 ng

RT: 3.587 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 584060

Ion Ratio Lower Upper

79 100

52 85.8 69.4 104.2

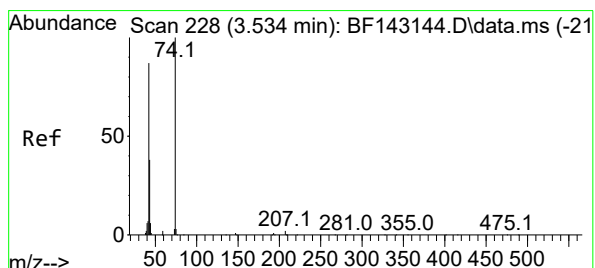
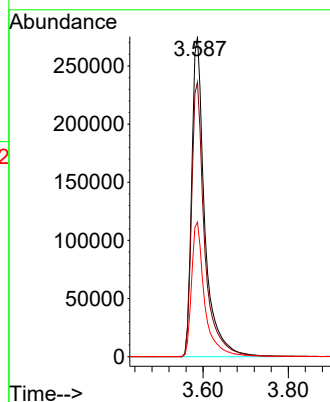
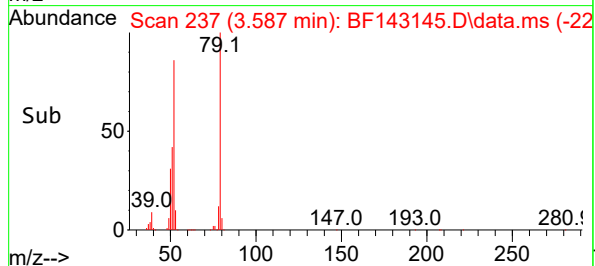
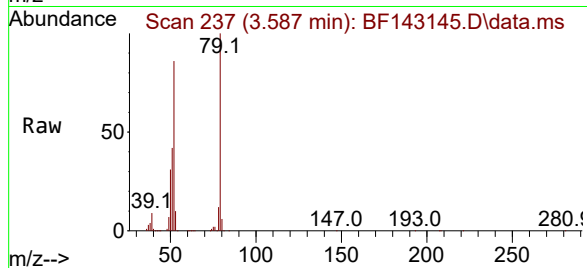
51 42.0 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 53.098 ng

RT: 3.534 min Scan# 228

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

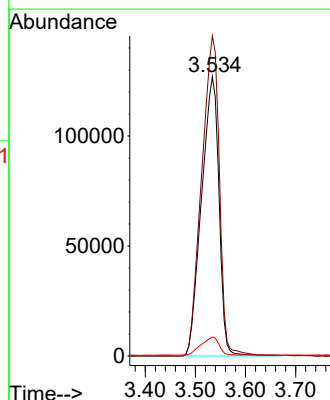
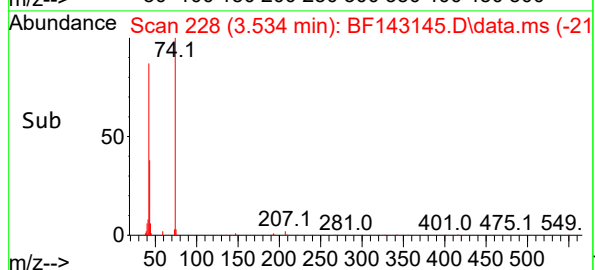
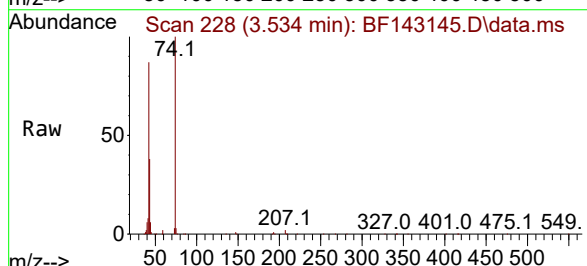
Tgt Ion: 42 Resp: 307202

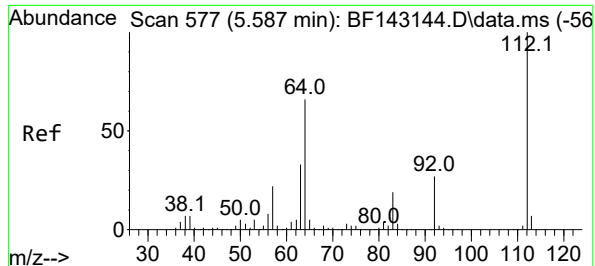
Ion Ratio Lower Upper

42 100

74 114.6 91.7 137.5

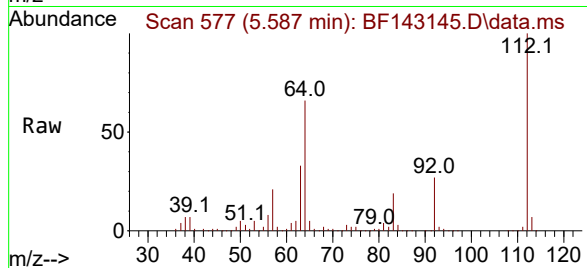
44 6.8 5.6 8.4





#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

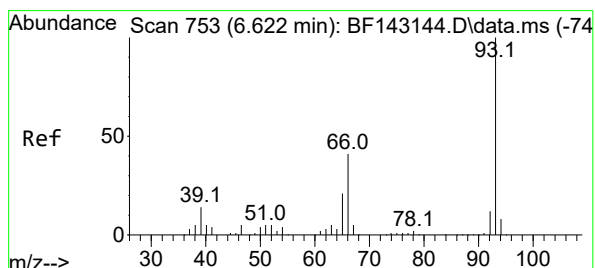
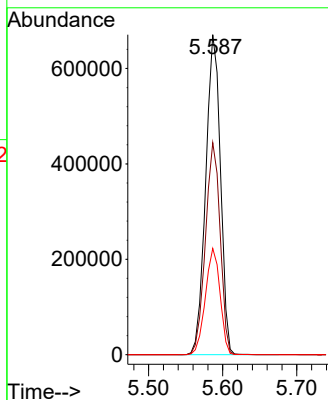
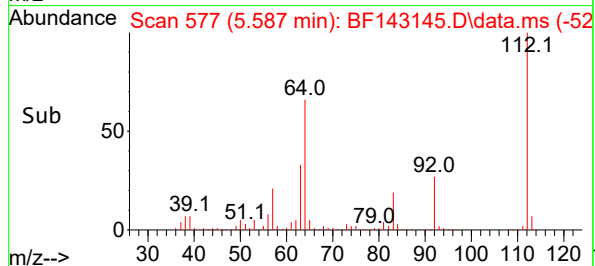
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:112 Resp: 927268
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.2 26.6 40.0

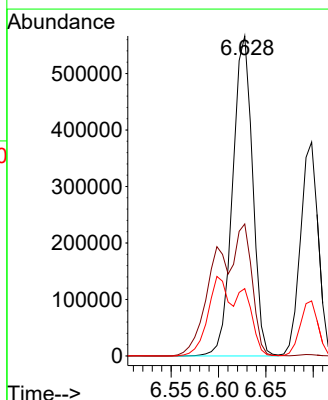
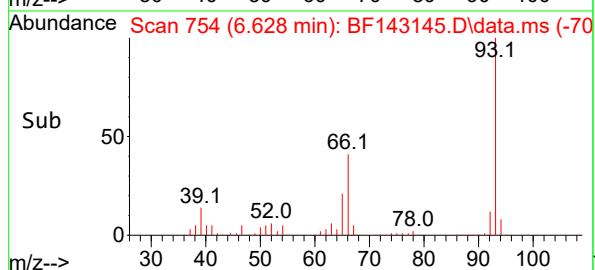
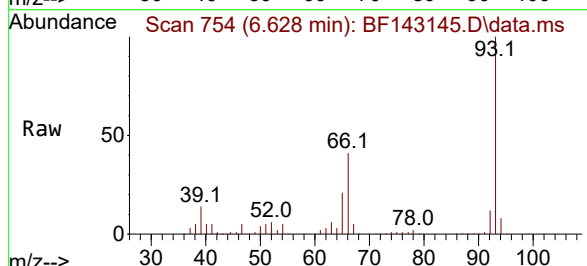
Manual Integrations
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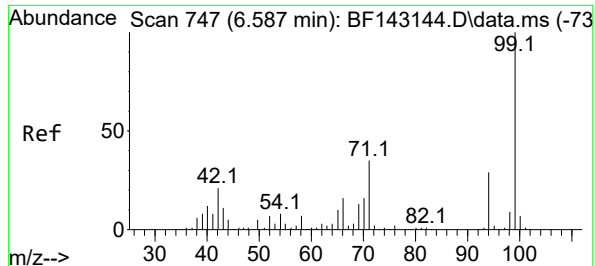
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 827275
Ion Ratio Lower Upper
93 100
66 41.2 33.2 49.8
65 21.1 16.9 25.3





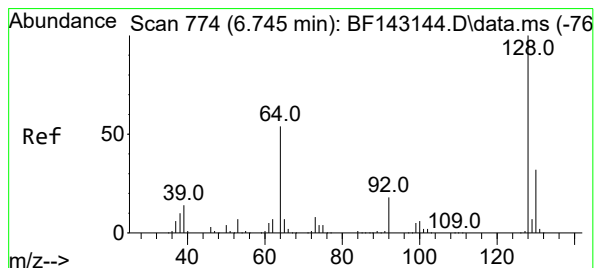
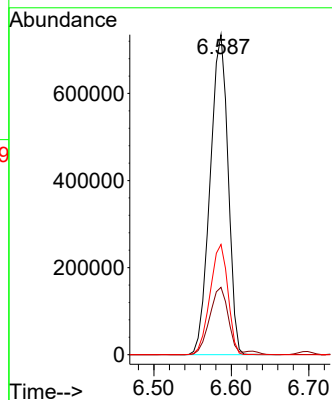
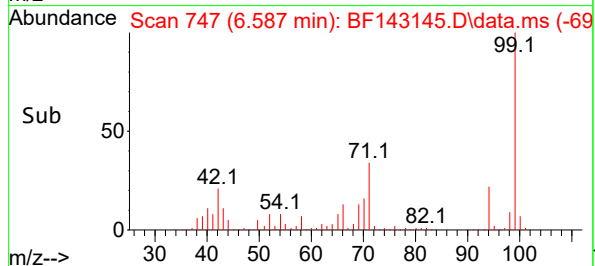
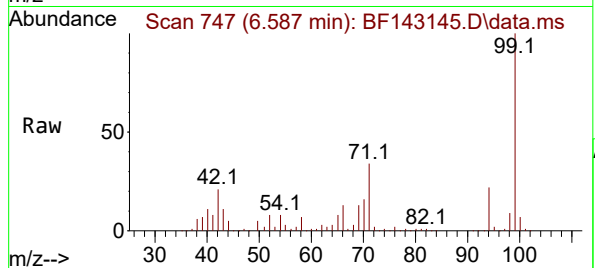
#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1178468
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.4 27.7 41.5

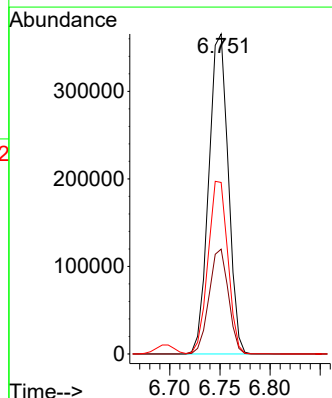
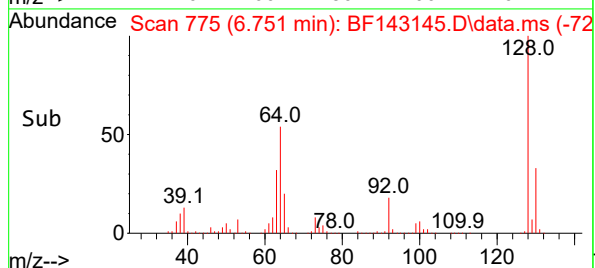
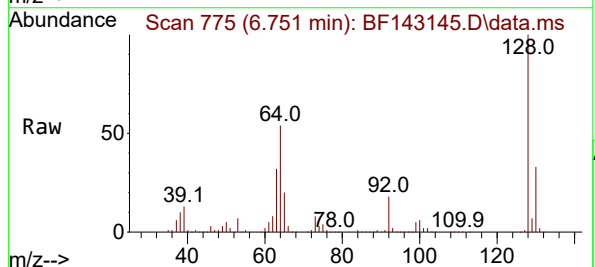
Manual Integrations
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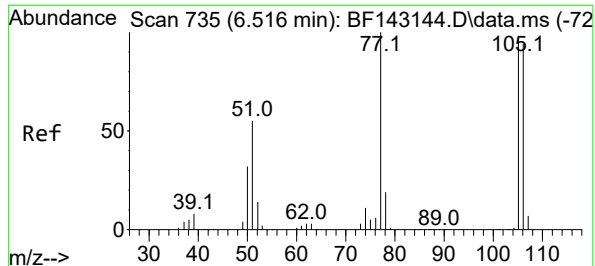
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 493989
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 53.6 35.9 75.9





#9

Benzaldehyde

Concen: 59.162 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 77 Resp: 509470

Ion Ratio Lower Upper

77 100

105 95.5 76.8 116.8

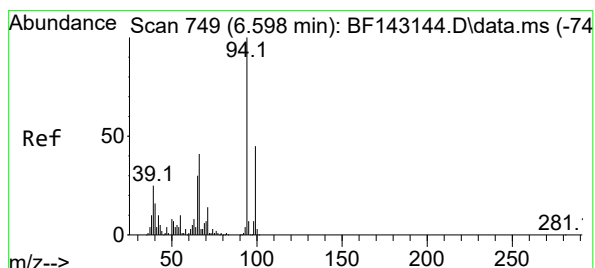
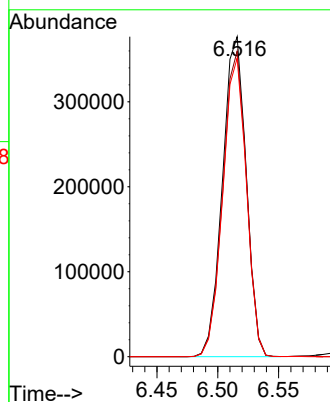
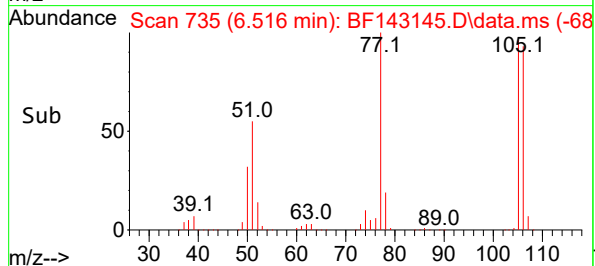
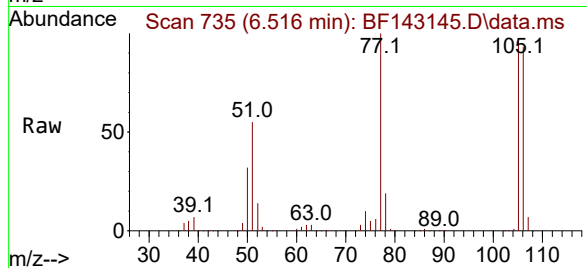
106 93.3 74.4 114.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 51.598 ng m

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

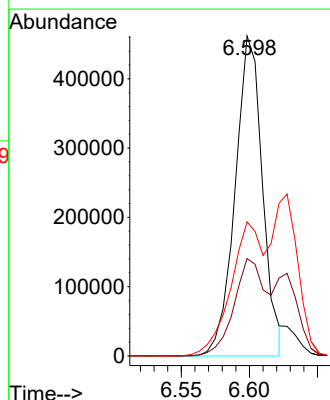
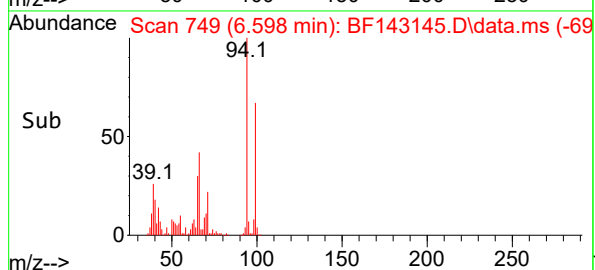
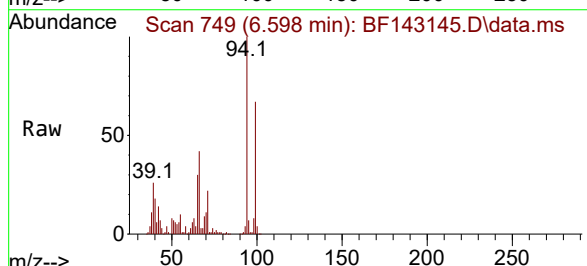
Tgt Ion: 94 Resp: 645540

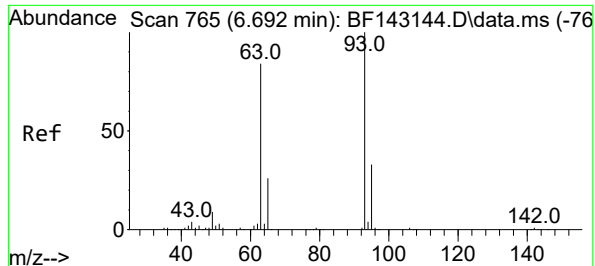
Ion Ratio Lower Upper

94 100

65 30.5 10.0 50.0

66 41.9 20.8 60.8





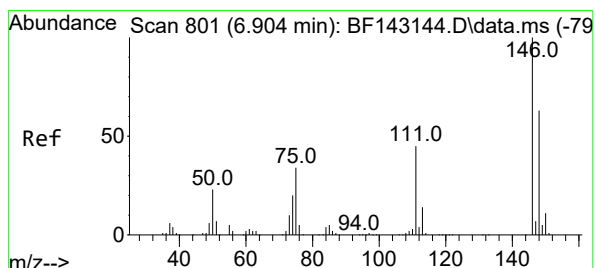
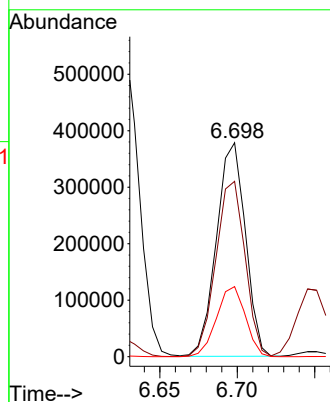
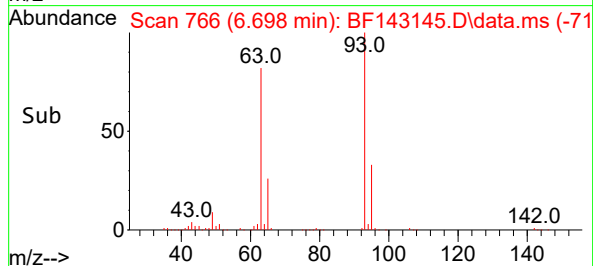
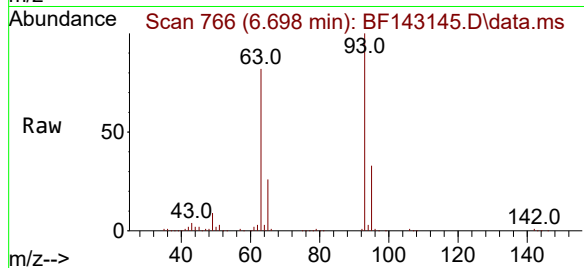
#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 49137
Ion Ratio Lower Upper
93 100
63 82.0 63.4 103.4
95 32.8 12.4 52.4

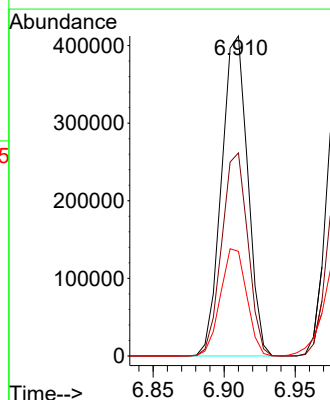
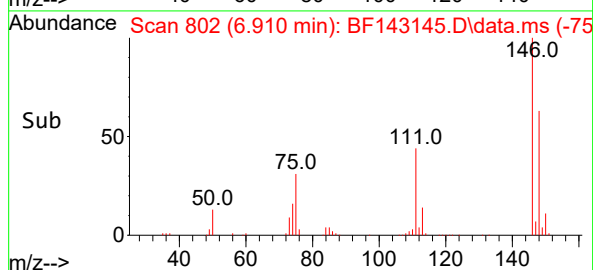
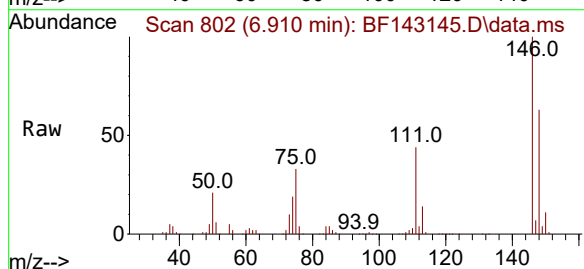
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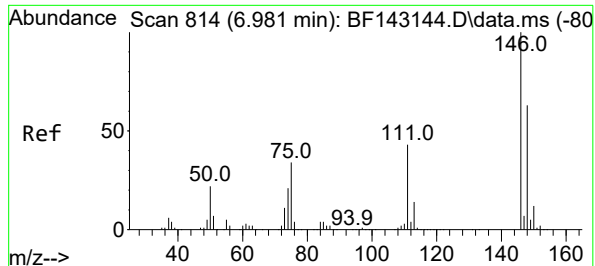
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 529202
Ion Ratio Lower Upper
146 100
148 63.4 50.6 76.0
75 32.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 50.818 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 531690

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

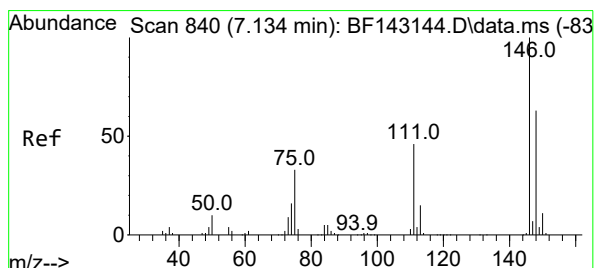
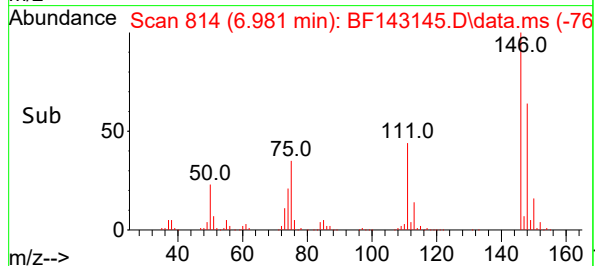
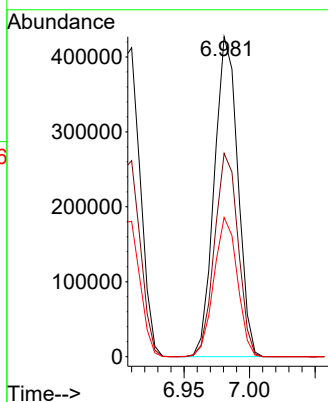
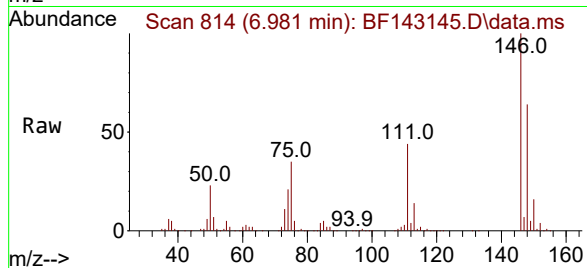
111 43.5 34.4 51.6

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 51.264 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

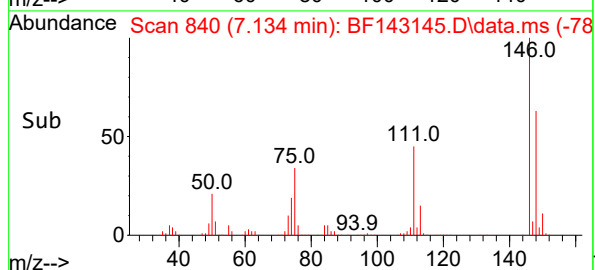
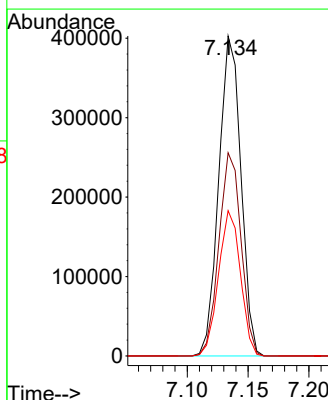
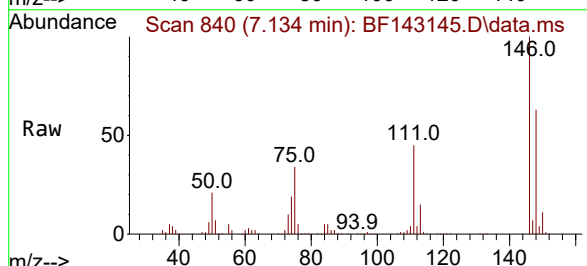
Tgt Ion:146 Resp: 510140

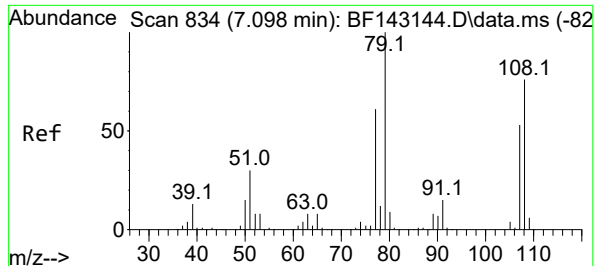
Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

111 45.4 36.6 54.8





#15

Benzyl Alcohol

Concen: 52.616 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 461379

Ion Ratio Lower Upper

79 100

108 76.7 61.1 91.7

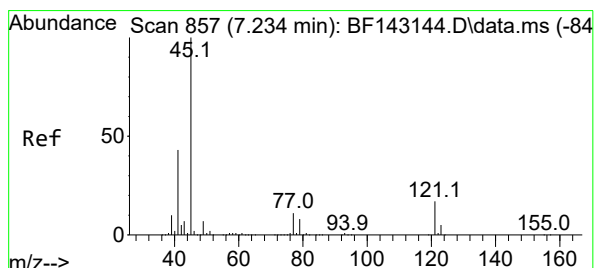
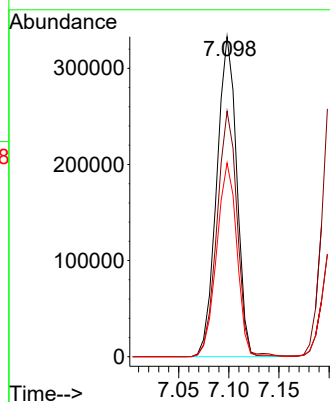
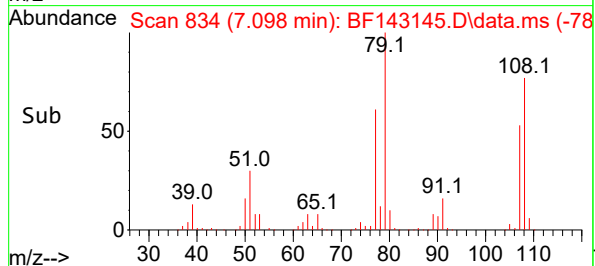
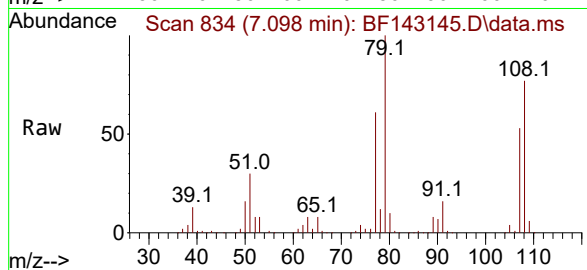
77 60.6 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 51.128 ng

RT: 7.239 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

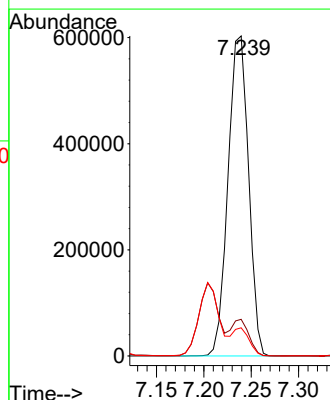
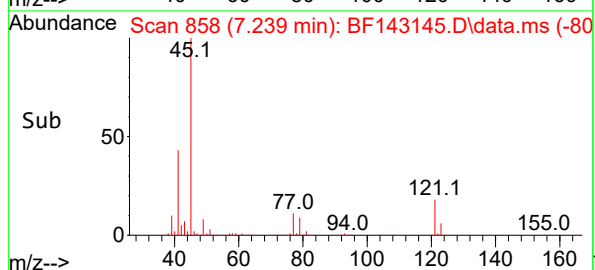
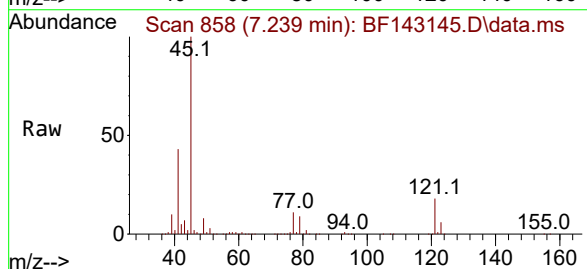
Tgt Ion: 45 Resp: 908530

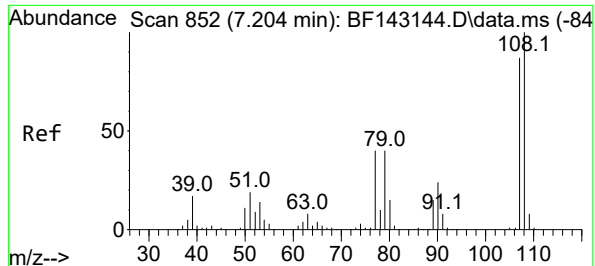
Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.2

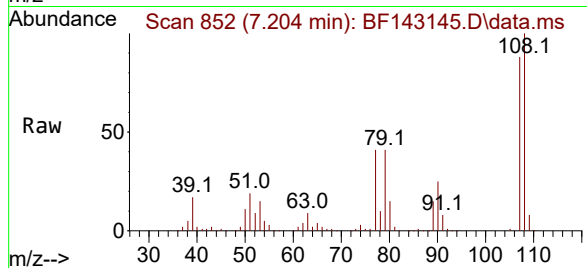
79 8.8 0.0 28.5





#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

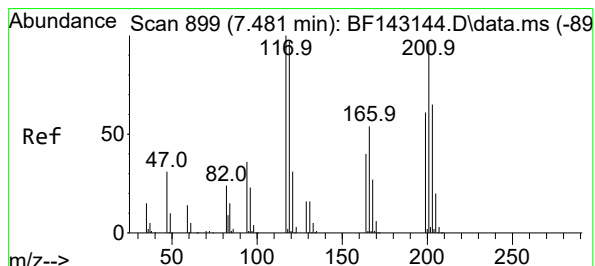
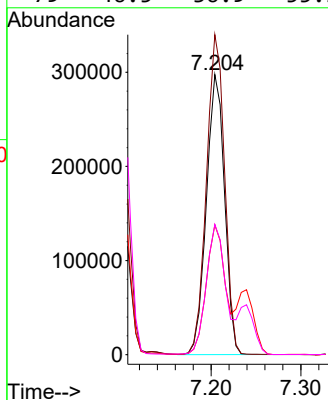
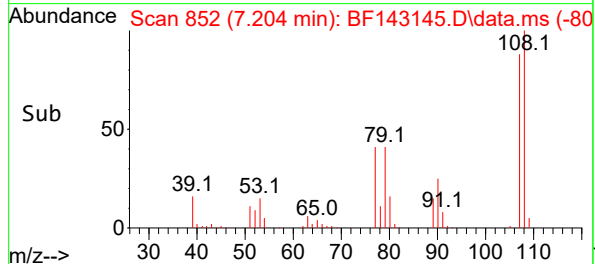
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 418793
Ion Ratio Lower Upper
107 100
108 114.2 91.8 137.6
77 46.3 37.0 55.6
79 46.5 36.9 55.3

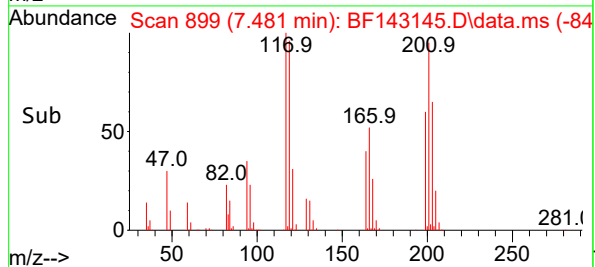
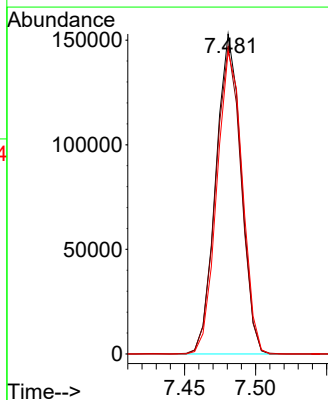
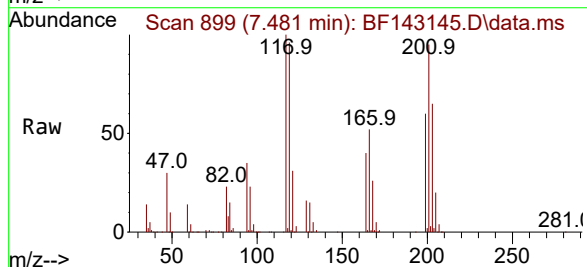
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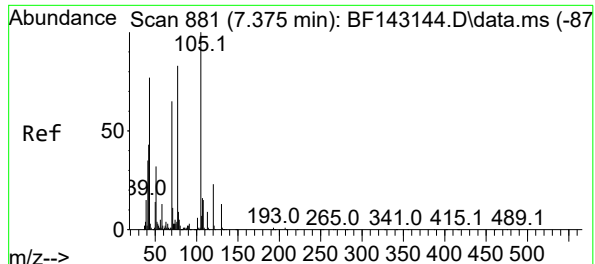
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

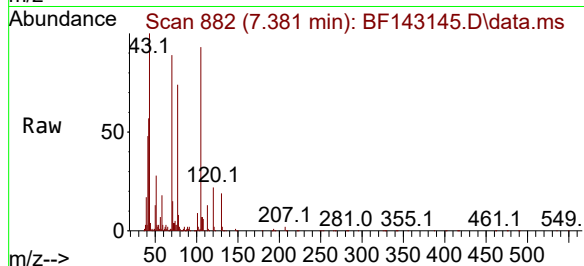
Tgt Ion:117 Resp: 189394
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 94.5 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

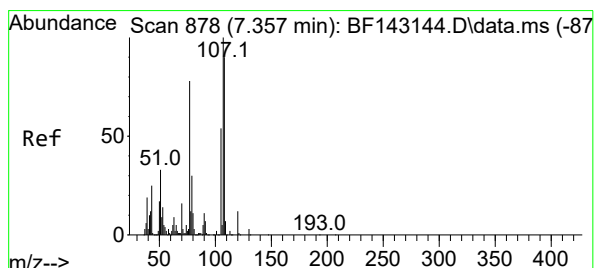
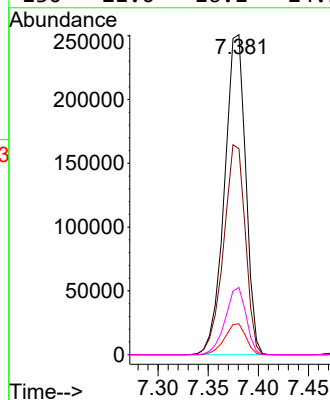
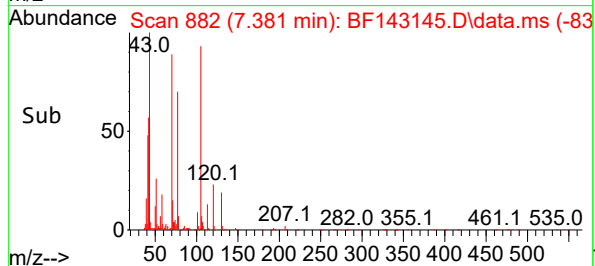
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 70 Resp: 36936
Ion Ratio Lower Upper
70 100
42 64.4 52.5 78.7
101 9.7 7.6 11.4
130 21.0 16.1 24.1

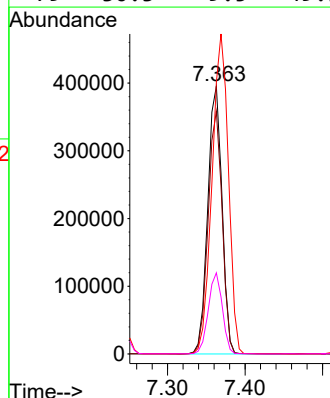
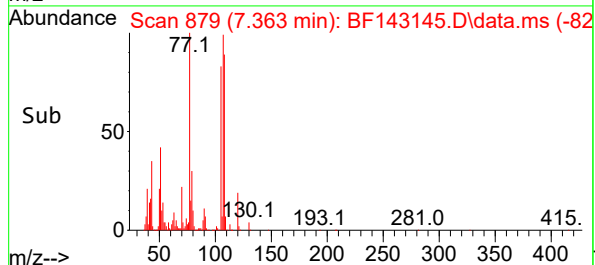
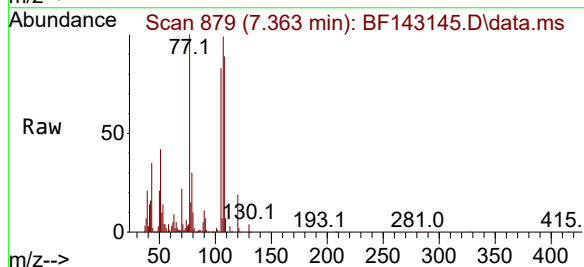
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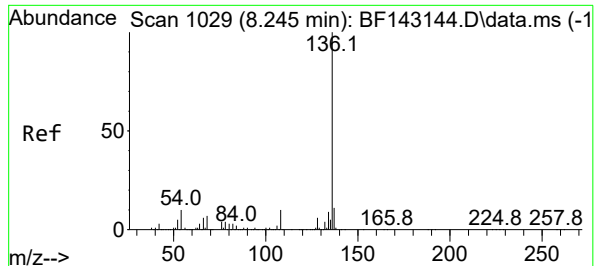
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

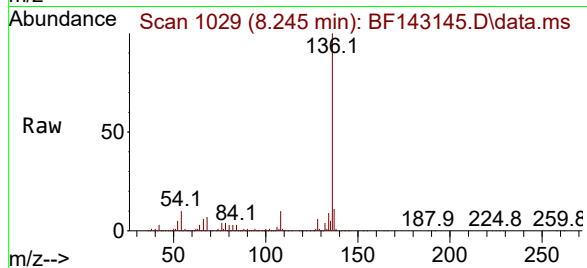
Tgt Ion:107 Resp: 506069
Ion Ratio Lower Upper
107 100
108 90.7 70.0 110.0
77 101.5 57.8 97.8#
79 30.3 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

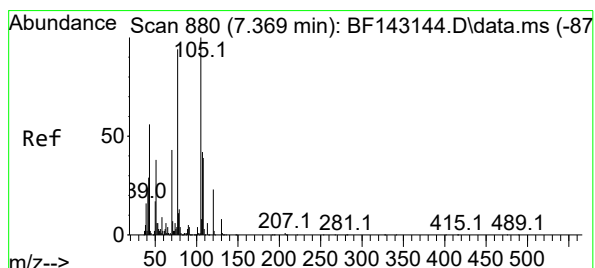
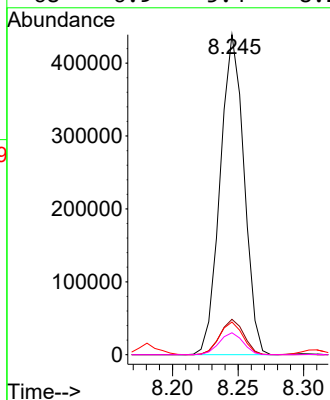
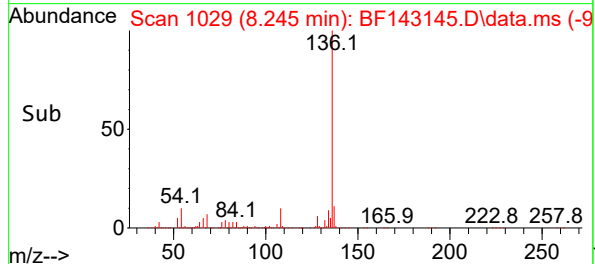
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 555530
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.2 8.2 12.2
68 6.9 5.4 8.2

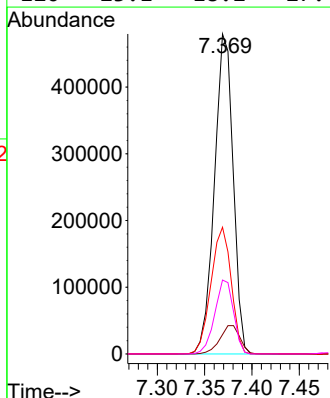
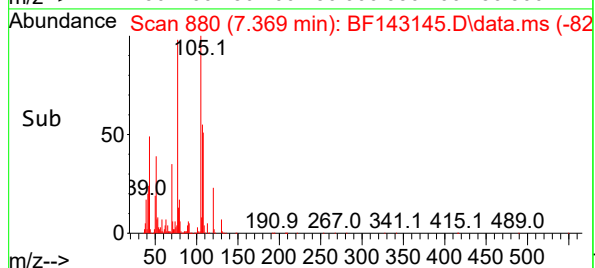
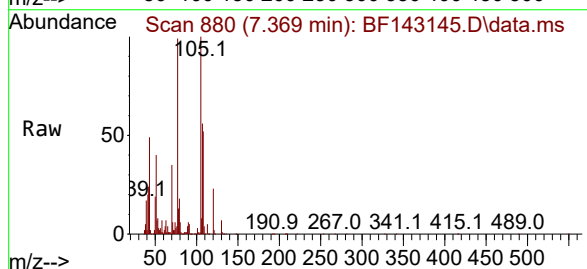
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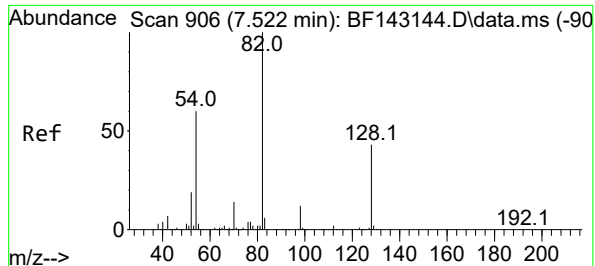
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017
Ion Ratio Lower Upper
105 100
71 6.0 5.8 8.6
51 39.6 30.2 45.2
120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 103.949 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1158494

Ion Ratio Lower Upper

82 100

128 43.5 33.6 50.4

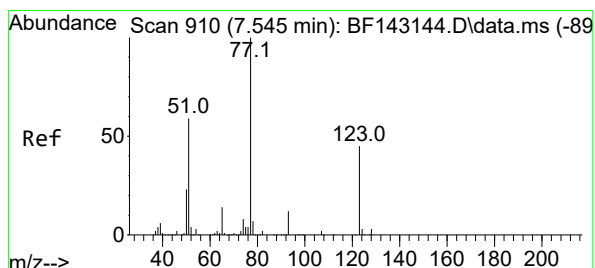
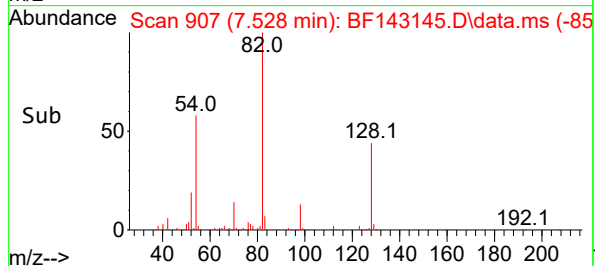
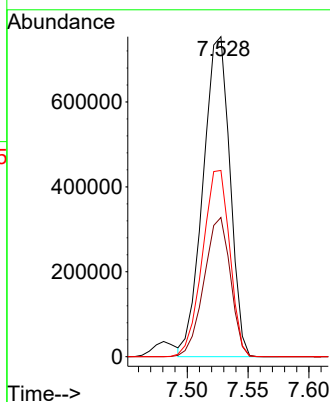
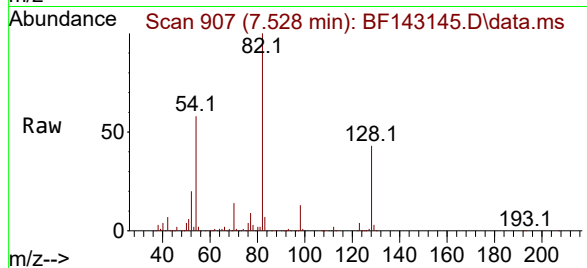
54 58.2 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 51.843 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

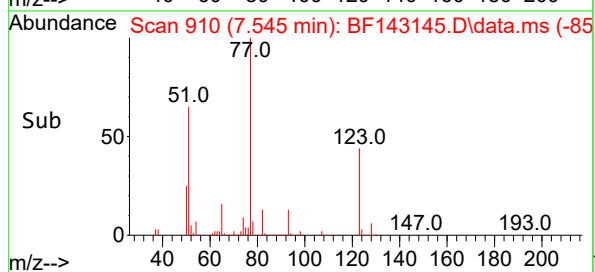
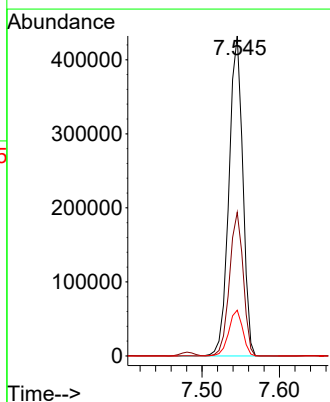
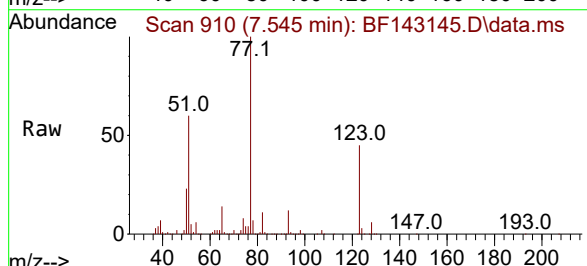
Tgt Ion: 77 Resp: 538666

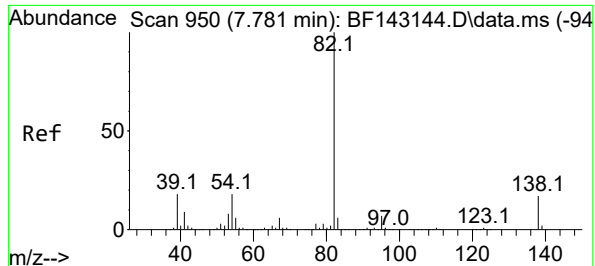
Ion Ratio Lower Upper

77 100

123 44.9 36.1 54.1

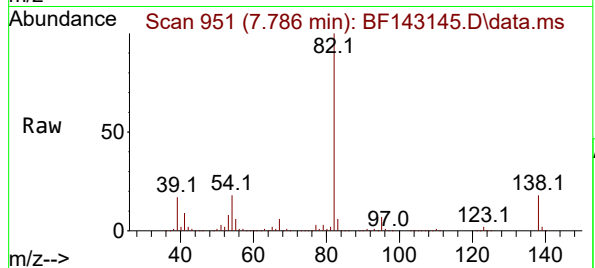
65 14.3 11.4 17.2





#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

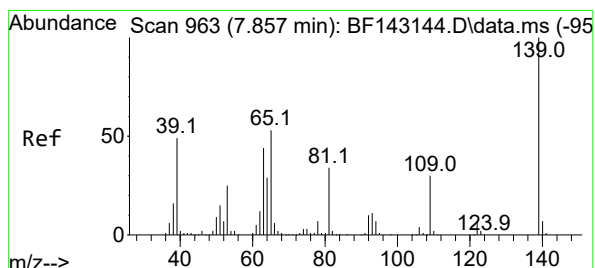
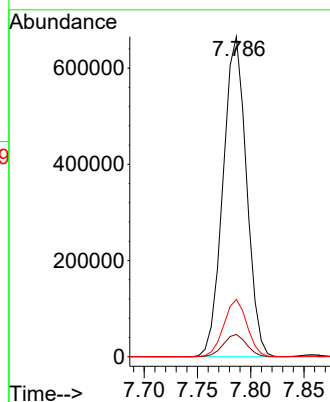
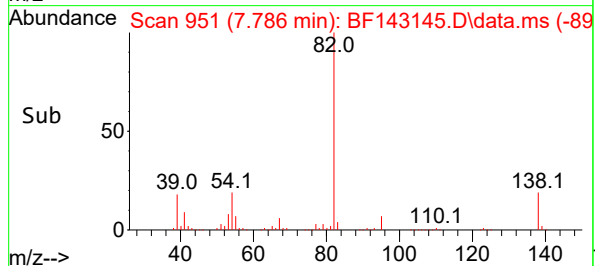
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 82 Resp: 101878
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.9 13.8 20.8

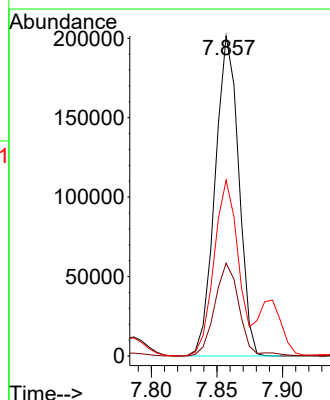
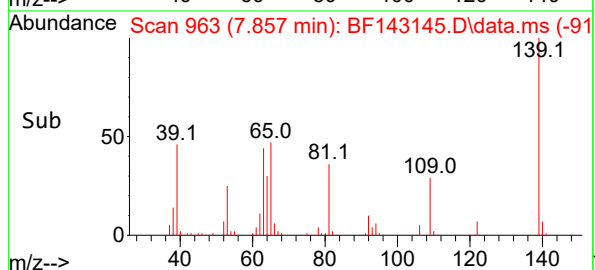
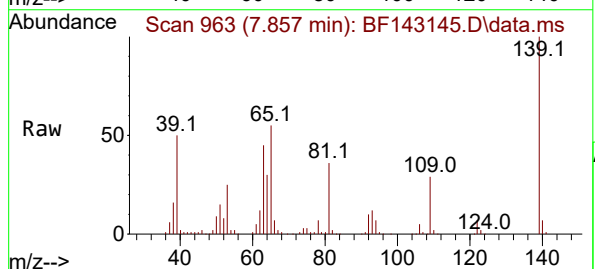
Manual Integrations
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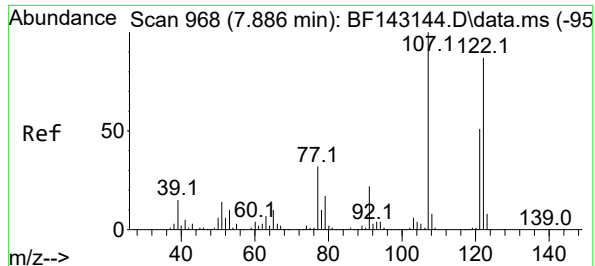
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 252169
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 55.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 51.112 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 469819

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

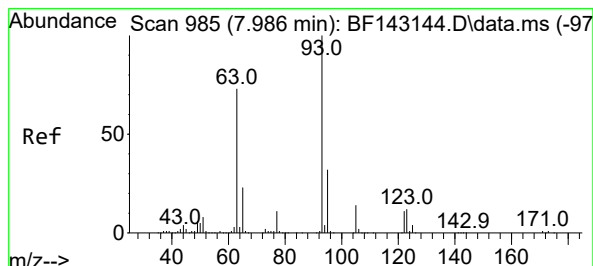
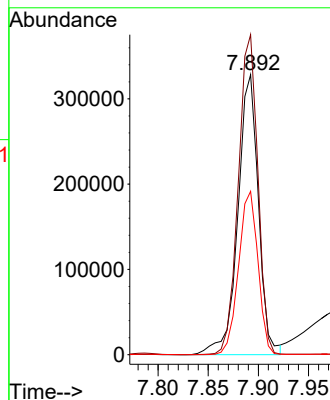
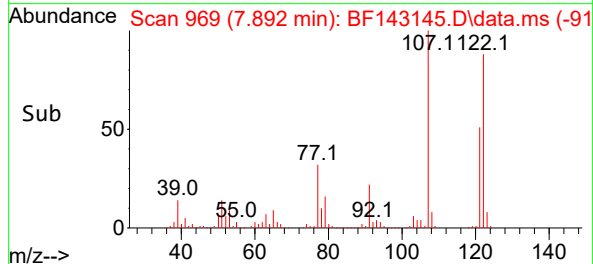
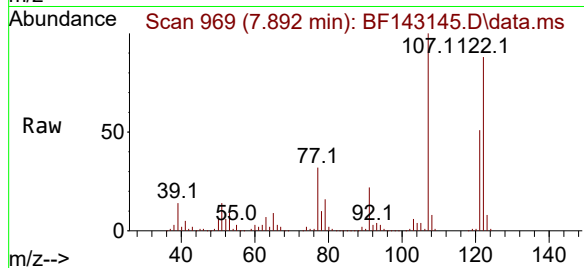
121 58.4 46.3 69.5

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 50.631 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

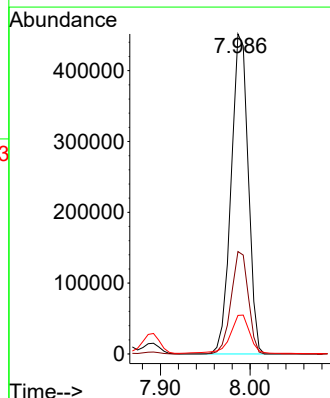
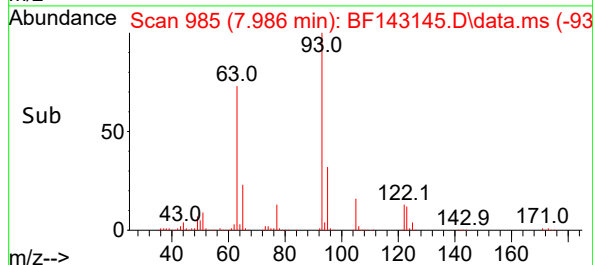
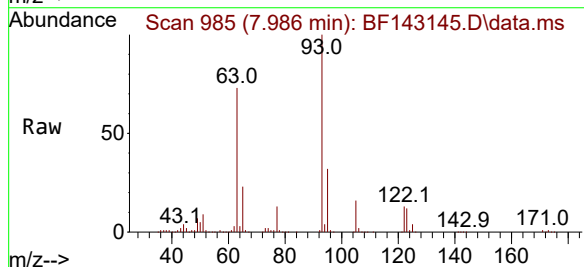
Tgt Ion: 93 Resp: 597241

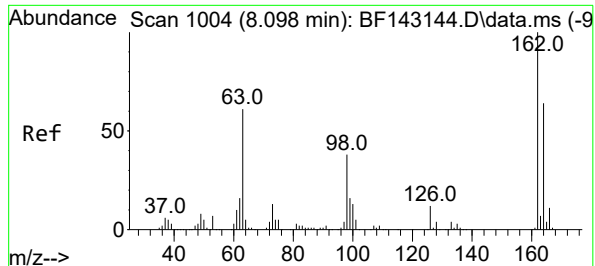
Ion Ratio Lower Upper

93 100

95 32.0 25.8 38.6

123 12.1 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 51.773 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 401330

Ion Ratio Lower Upper

162 100

164 64.0 44.2 84.2

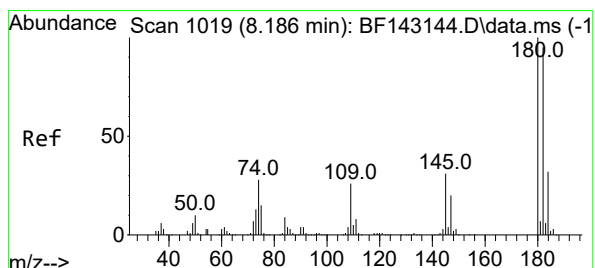
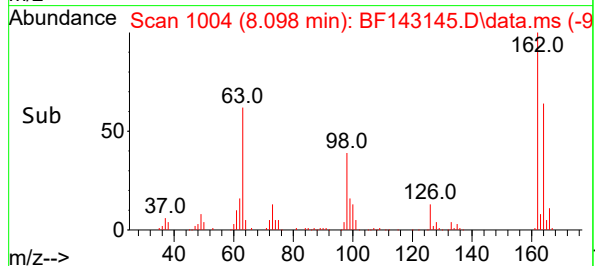
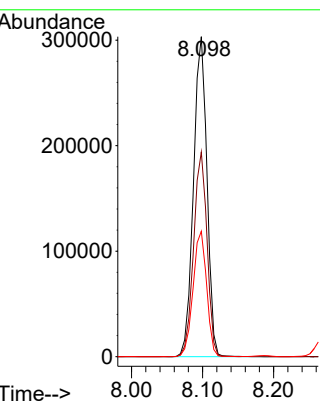
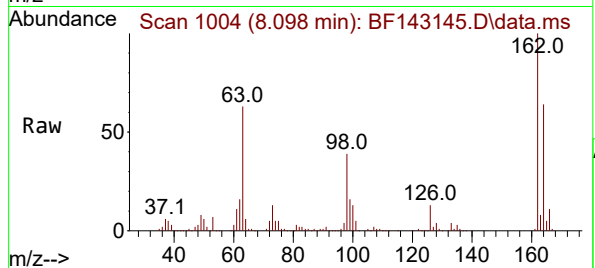
98 39.2 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 50.242 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

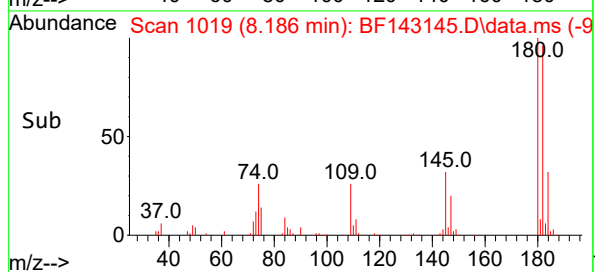
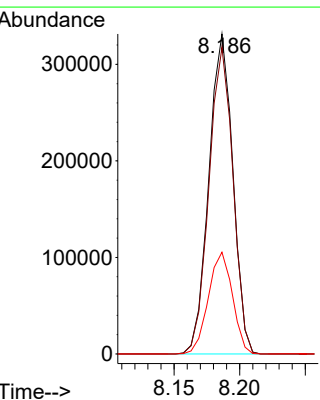
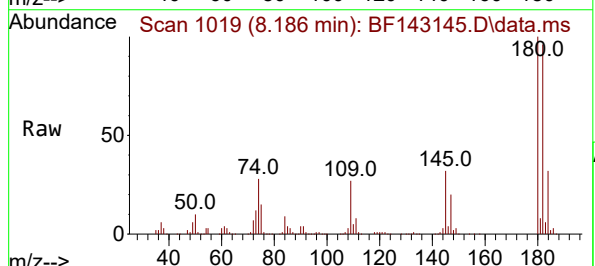
Tgt Ion:180 Resp: 420763

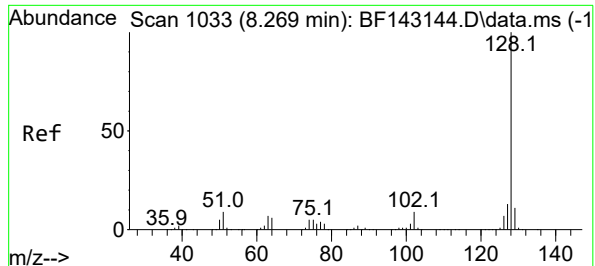
Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.2

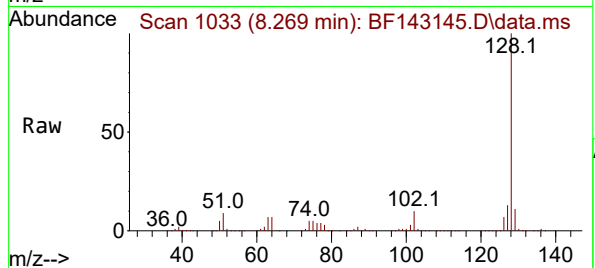
145 31.8 25.0 37.6





#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

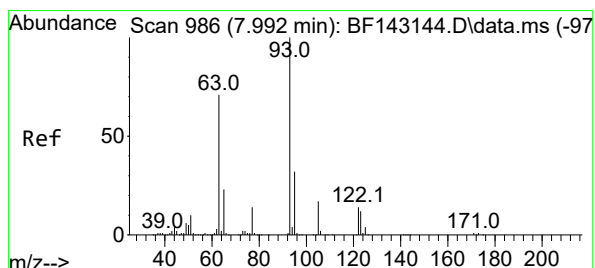
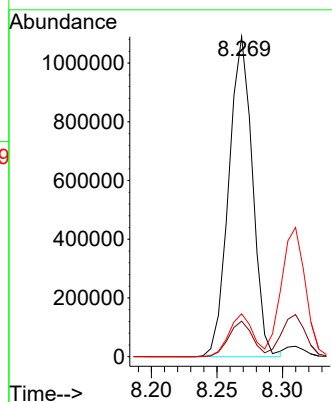
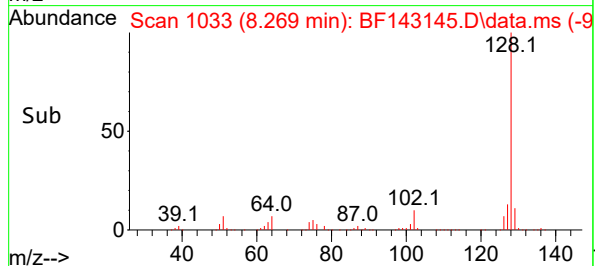
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 136962
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0

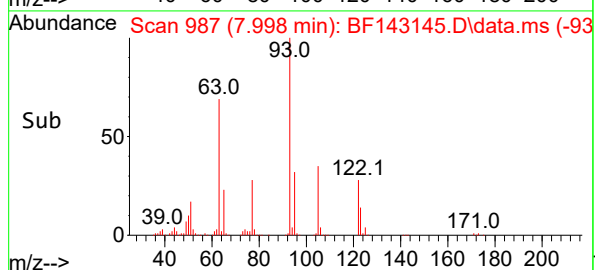
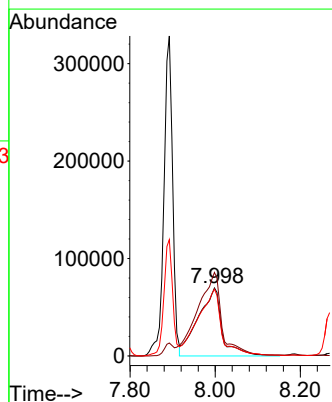
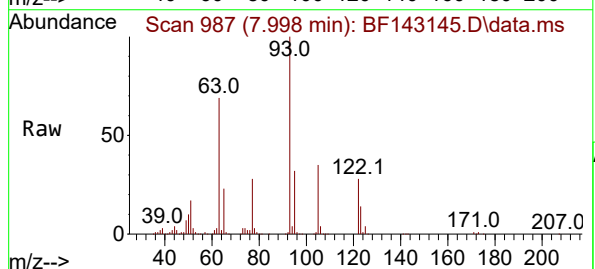
Manual Integrations
APPROVED

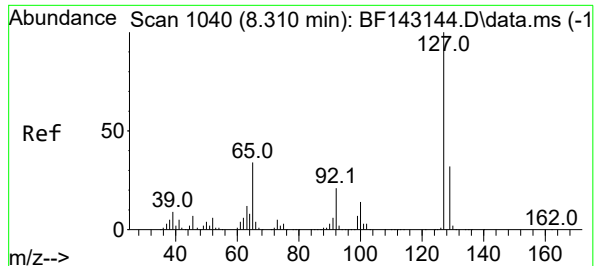
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 52.352 ng m
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

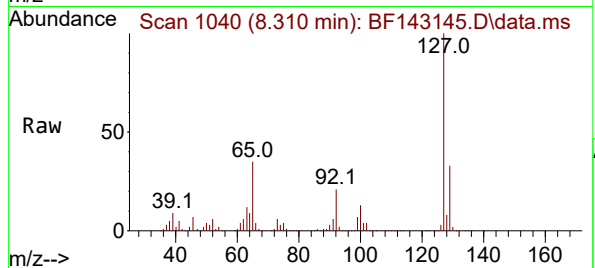
Tgt Ion:122 Resp: 273361
Ion Ratio Lower Upper
122 100
105 123.0 104.8 144.8
77 98.4 77.6 117.6





#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

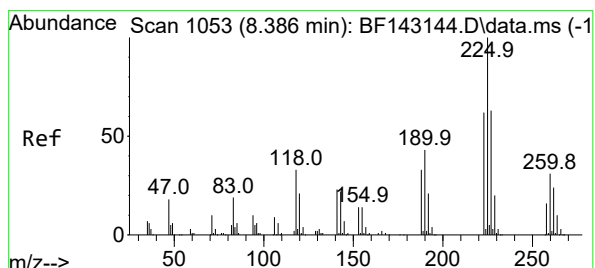
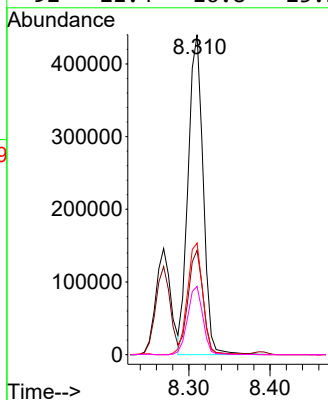
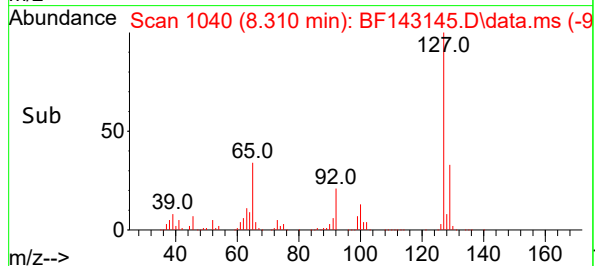
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 56642
Ion Ratio Lower Upper
127 100
129 32.6 26.0 39.0
65 34.9 27.4 41.2
92 21.4 16.8 25.2

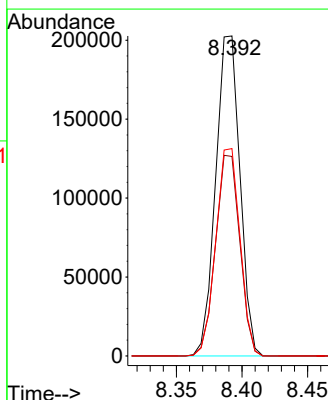
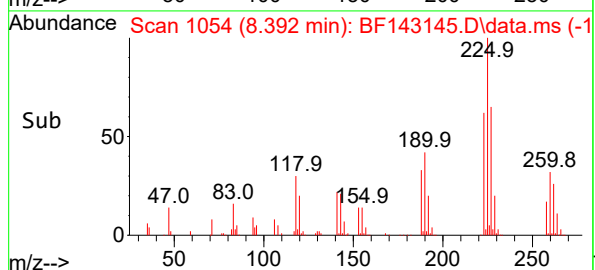
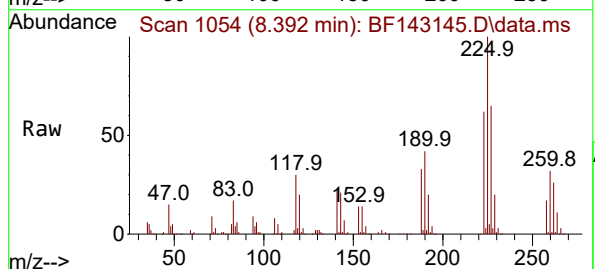
Manual Integrations
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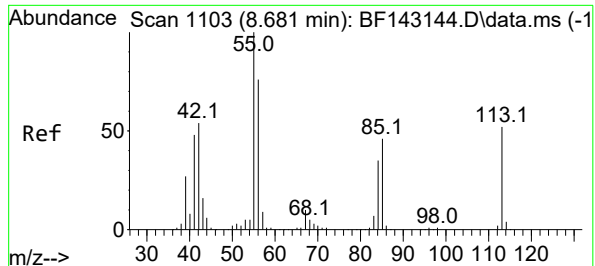
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:225 Resp: 260787
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.6
227 64.8 50.2 75.4





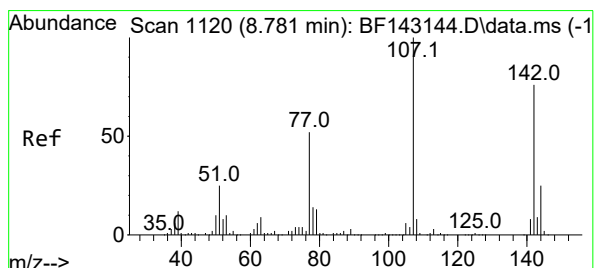
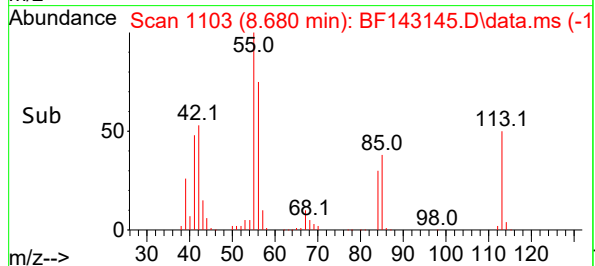
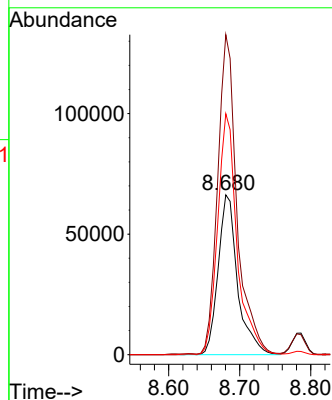
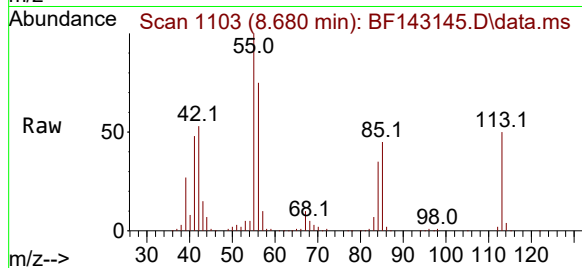
#35
 Caprolactam
 Concen: 53.811 ng
 RT: 8.680 min Scan# 1103
 Delta R.T. -0.000 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Tgt Ion:113 Resp: 126050
 Ion Ratio Lower Upper
 113 100
 55 200.3 174.0 214.0
 56 150.8 126.6 166.6

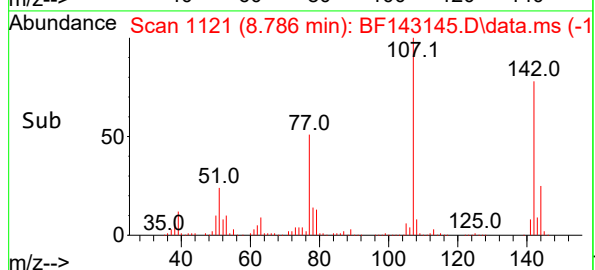
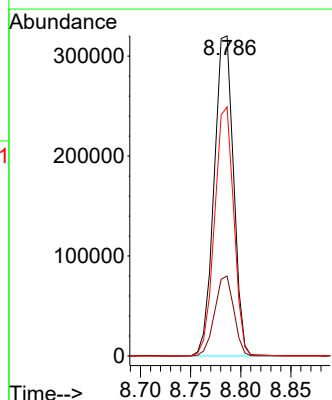
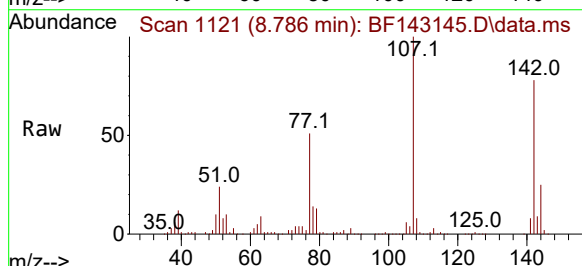
Manual Integrations
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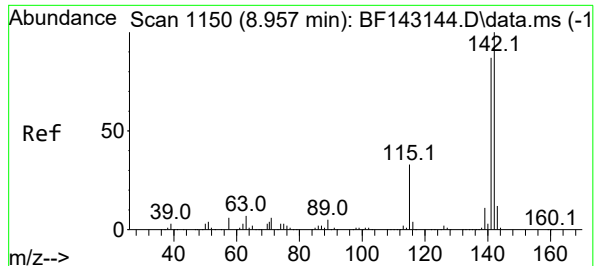
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#36
 4-Chloro-3-methylphenol
 Concen: 51.242 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143145.D
 Acq: 17 Jul 2025 13:33

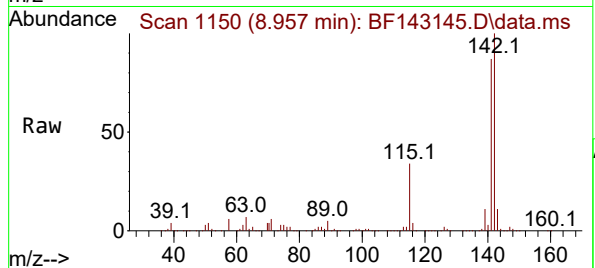
Tgt Ion:107 Resp: 431745
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.8 29.6
 142 77.8 60.6 90.8





#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

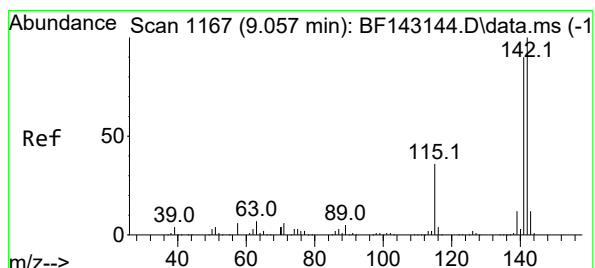
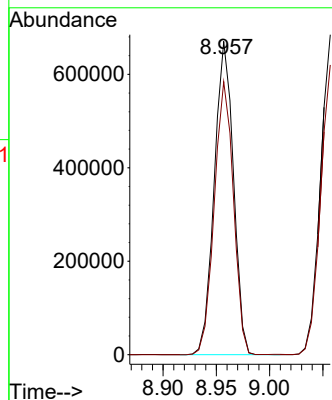
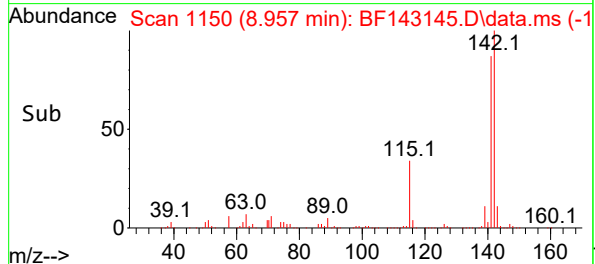
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 837820
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9

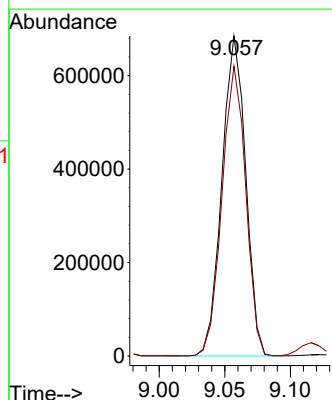
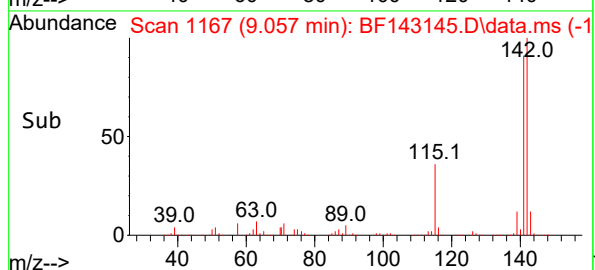
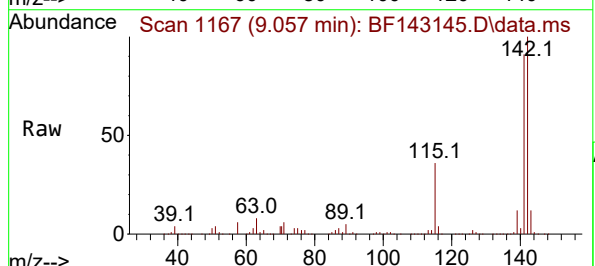
Manual Integrations
APPROVED

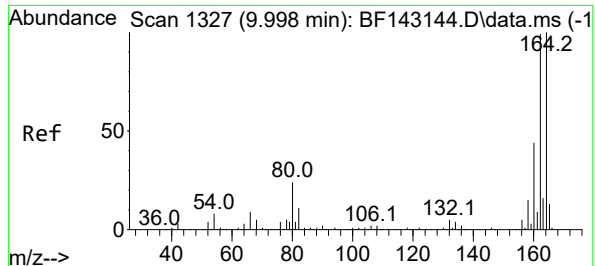
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300
Ion Ratio Lower Upper
142 100
141 90.6 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 28365

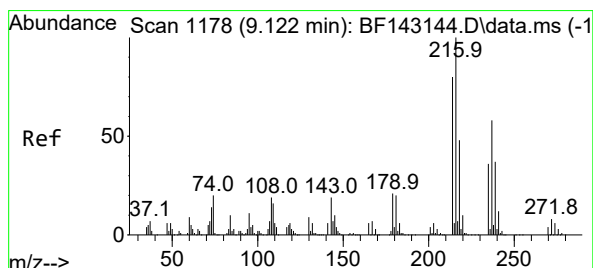
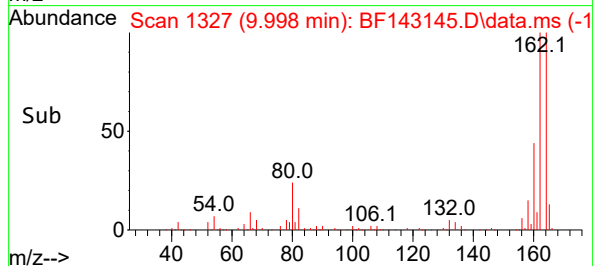
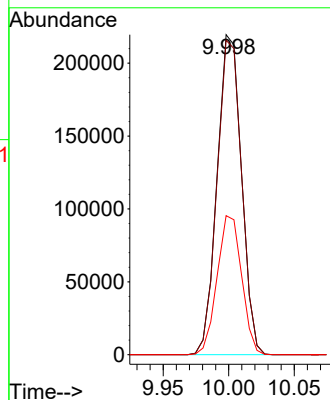
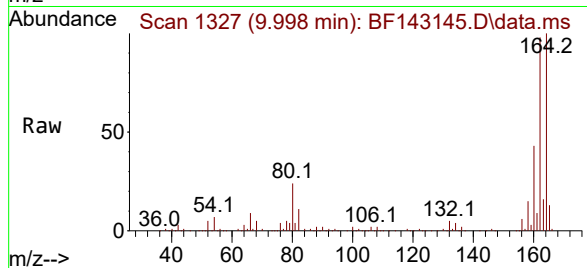
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.5	35.1	52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.420 ng

RT: 9.128 min Scan# 1179

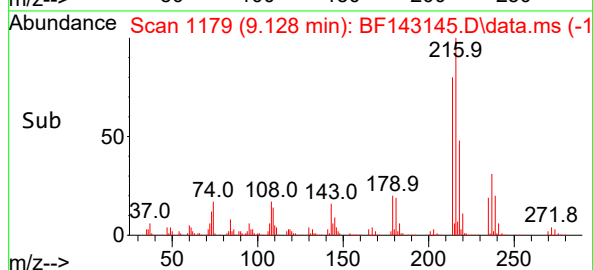
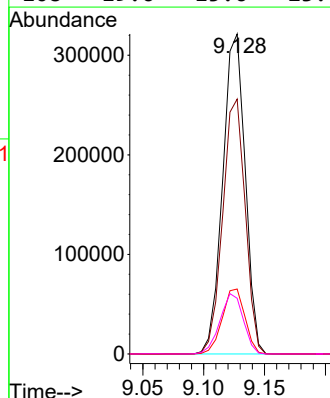
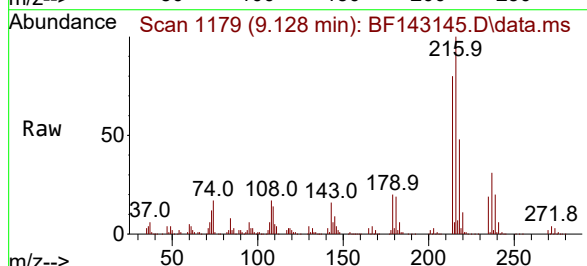
Delta R.T. 0.006 min

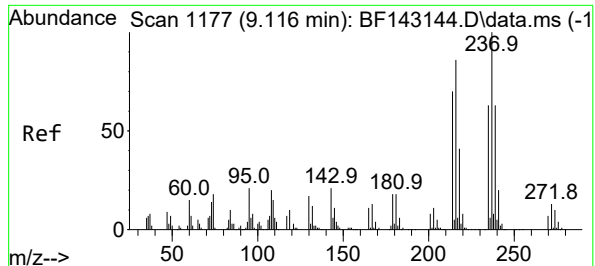
Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Tgt Ion:216 Resp: 412916

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.8
179	20.5	16.4	24.6
108	19.6	15.6	23.4





#41

Hexachlorocyclopentadiene

Concen: 53.823 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 28680

Ion Ratio Lower Upper

237 100

235 63.9 43.0 83.0

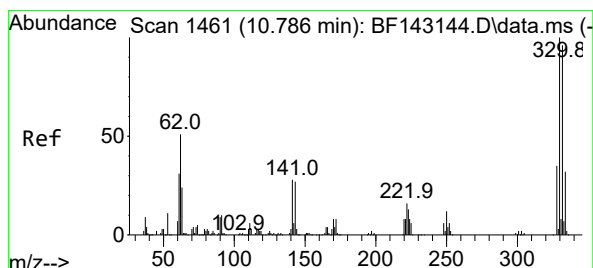
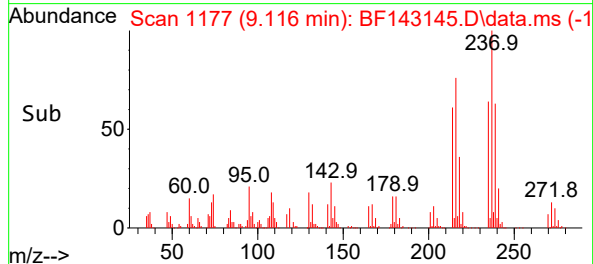
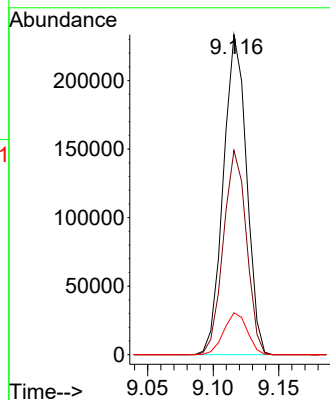
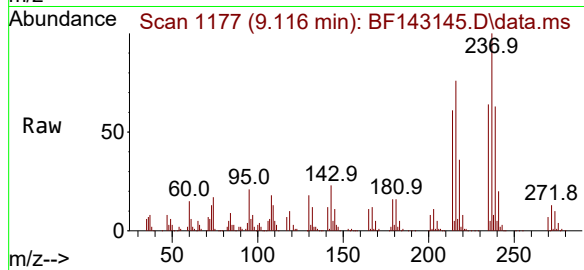
272 13.1 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 105.607 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

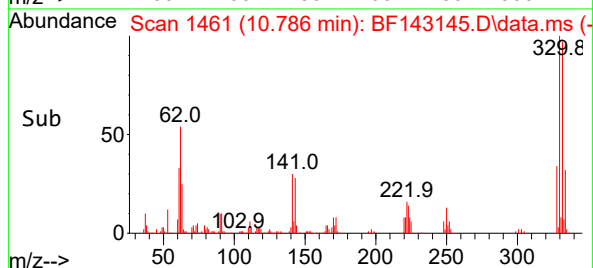
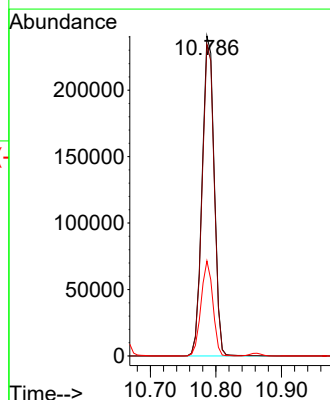
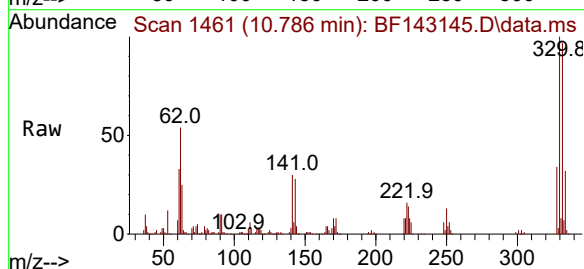
Tgt Ion:330 Resp: 309465

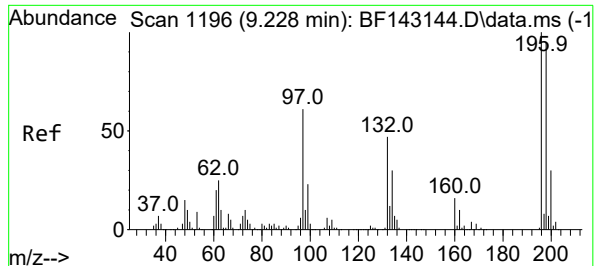
Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

141 29.0 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 53.718 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143145.D

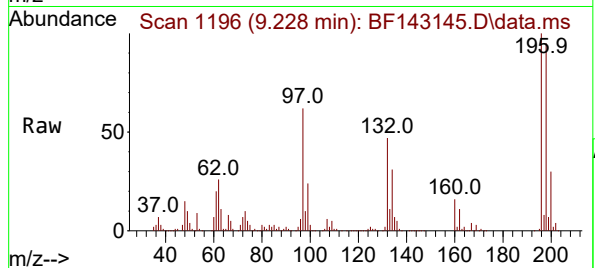
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 304460

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

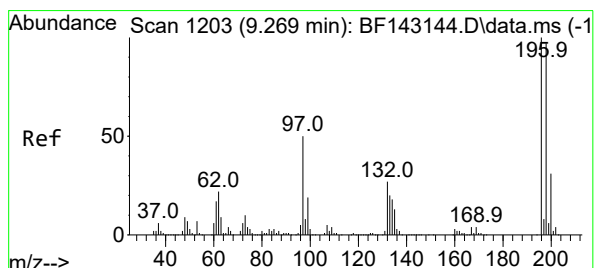
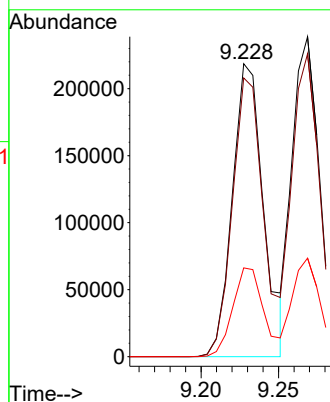
200 30.3 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

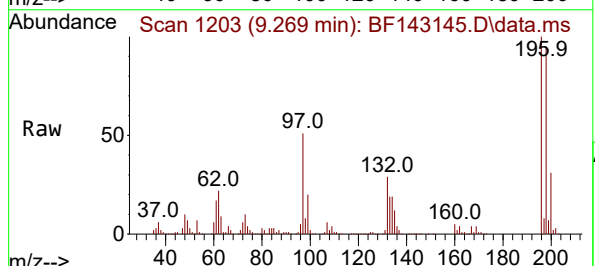
Concen: 51.434 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



Tgt Ion:196 Resp: 291607

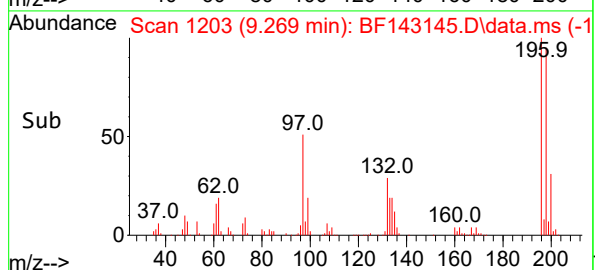
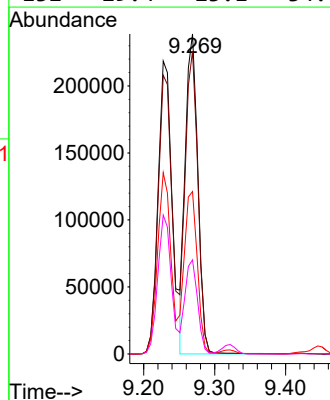
Ion Ratio Lower Upper

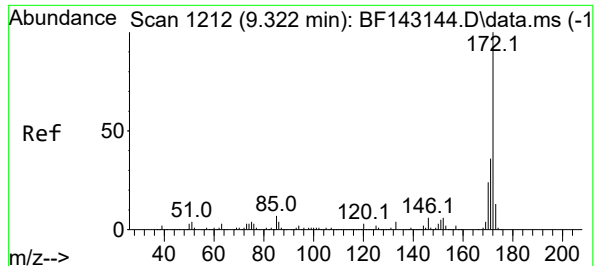
196 100

198 94.7 77.3 115.9

97 50.8 40.3 60.5

132 29.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 96.712 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 2005894

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

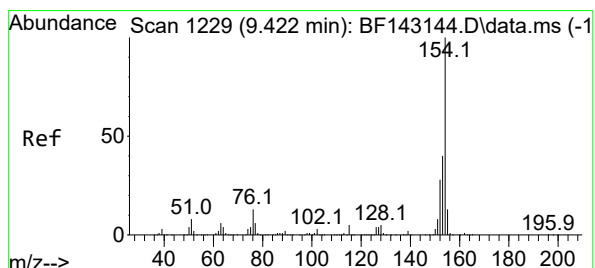
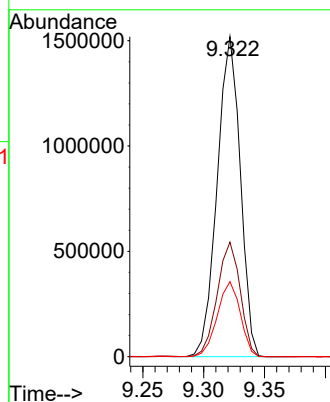
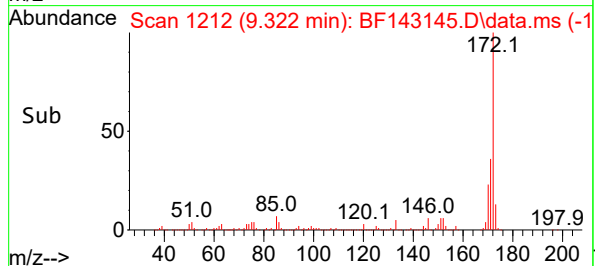
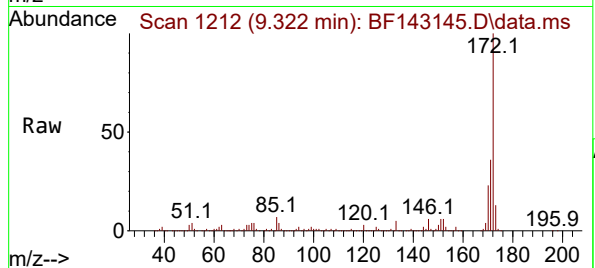
170 23.5 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 49.764 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

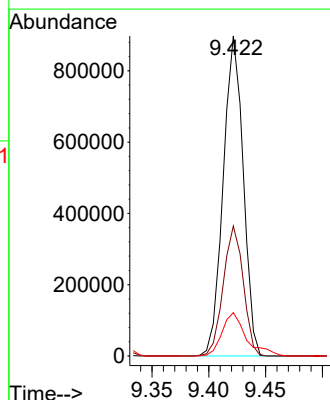
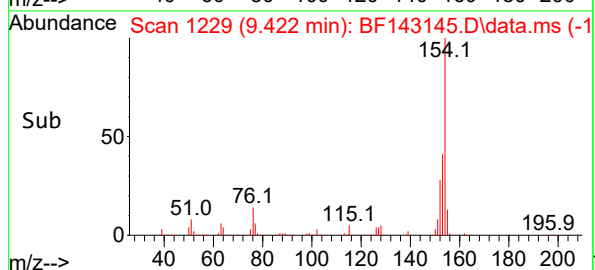
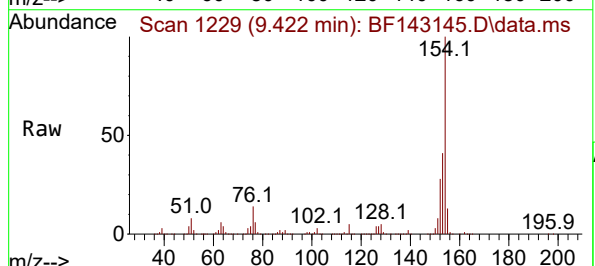
Tgt Ion:154 Resp: 1101317

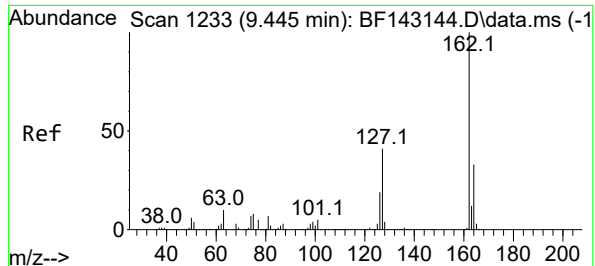
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 50.488 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 826749

Ion Ratio Lower Upper

162 100

127 42.3 33.4 50.2

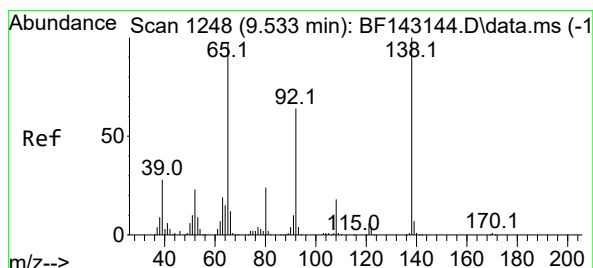
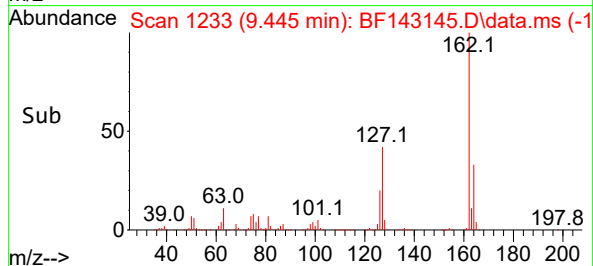
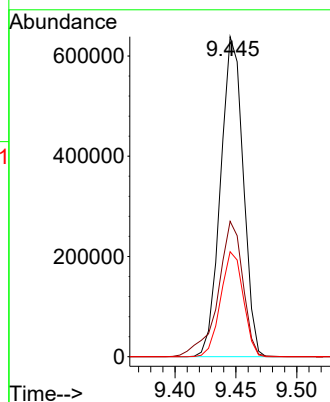
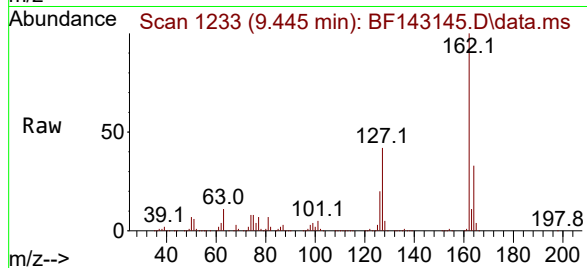
164 32.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 54.736 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

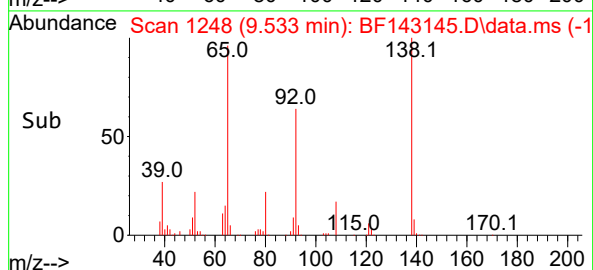
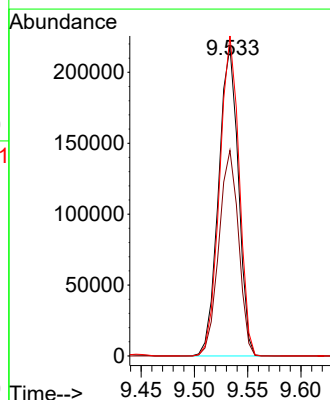
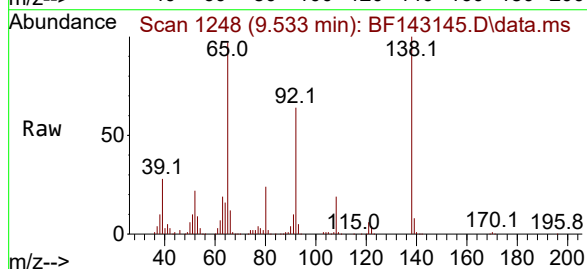
Tgt Ion: 65 Resp: 281082

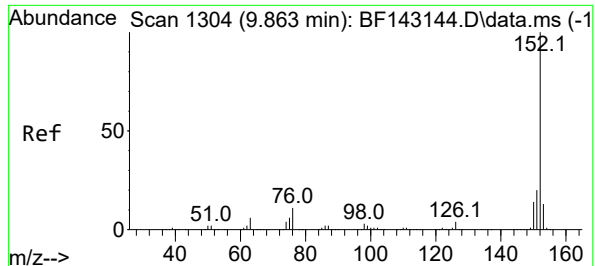
Ion Ratio Lower Upper

65 100

92 66.5 52.4 78.6

138 103.5 82.3 123.5





#49

Acenaphthylene

Concen: 50.605 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143145.D

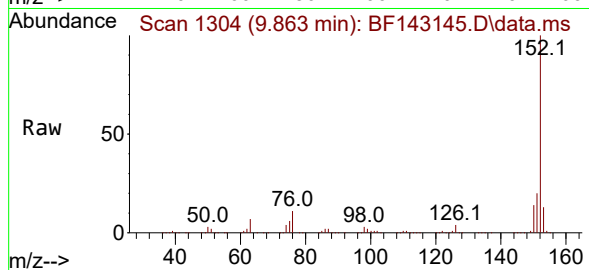
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:152 Resp: 138872

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

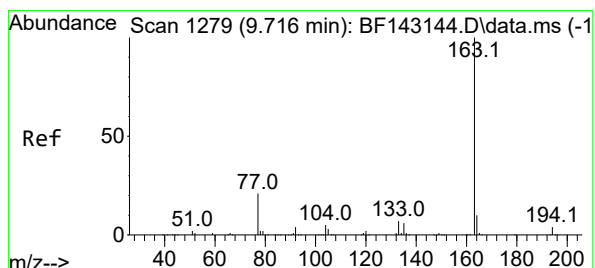
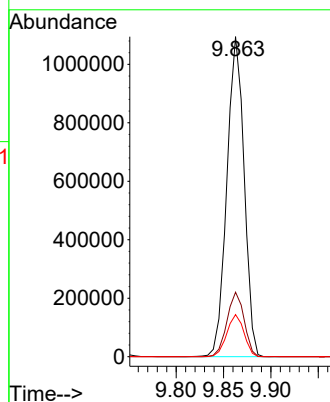
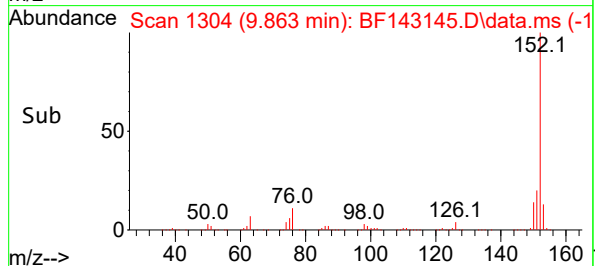
153 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

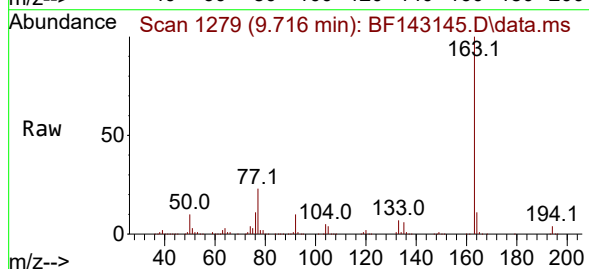
Concen: 50.832 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



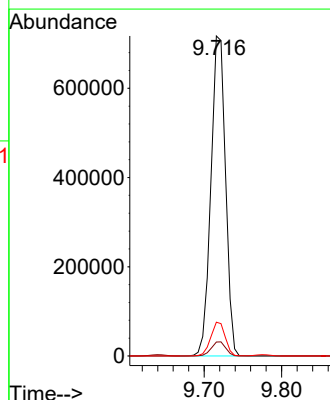
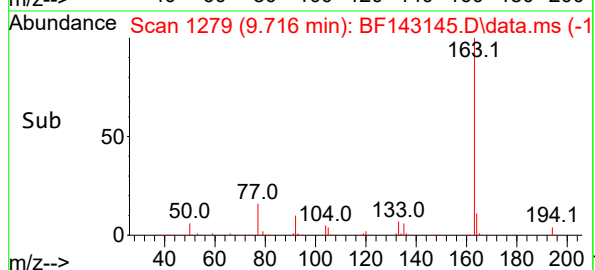
Tgt Ion:163 Resp: 939863

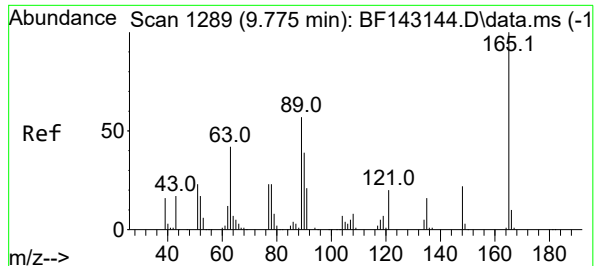
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

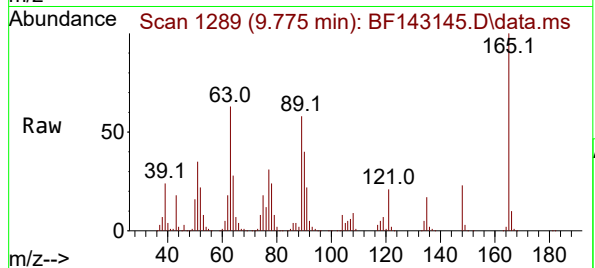
164 10.5 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

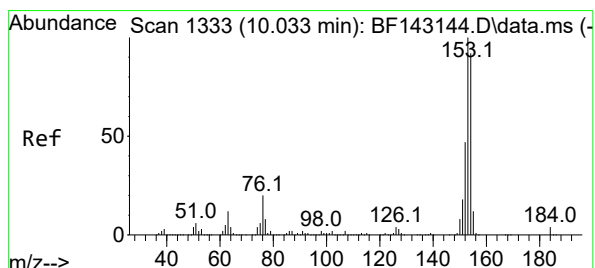
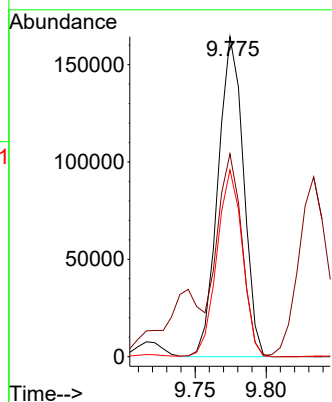
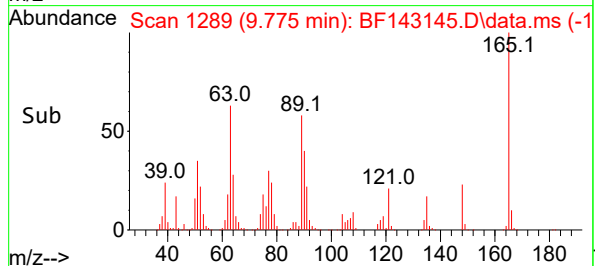
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 20514
Ion Ratio Lower Upper
165 100
63 63.4 49.4 74.2
89 58.4 46.2 69.2

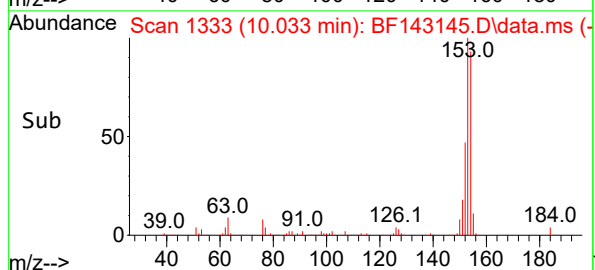
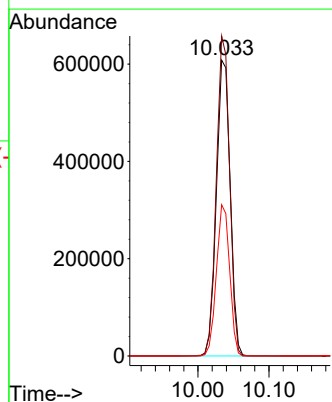
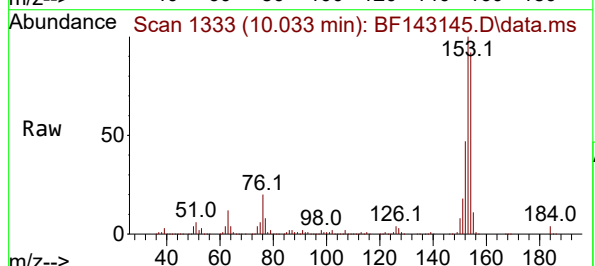
Manual Integrations
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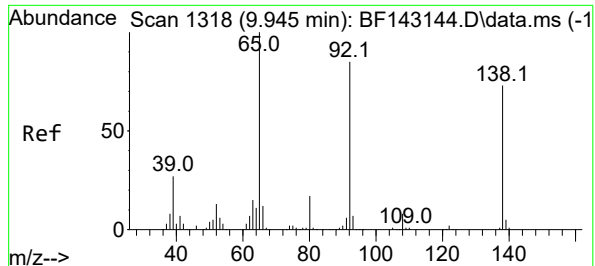
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

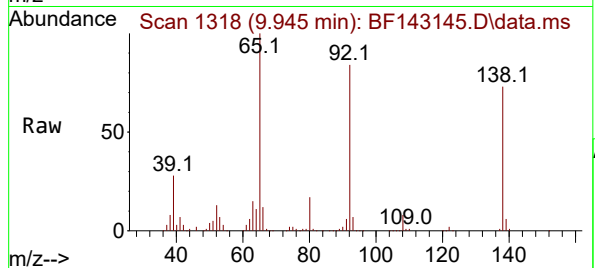
Tgt Ion:154 Resp: 818783
Ion Ratio Lower Upper
154 100
153 108.2 86.6 129.8
152 51.1 40.4 60.6





#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

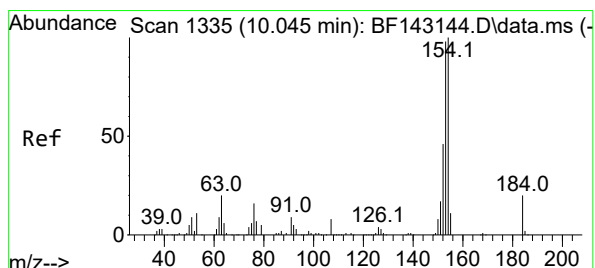
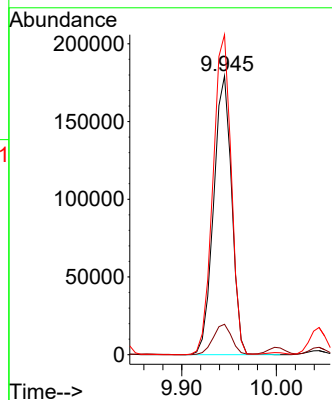
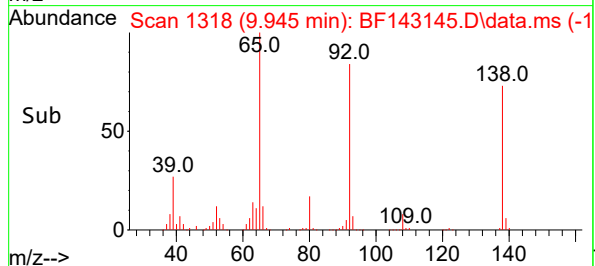
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:138 Resp: 236959
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.8 93.0 139.4

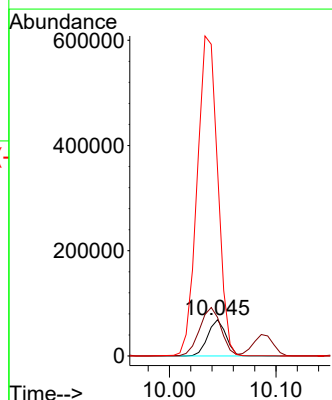
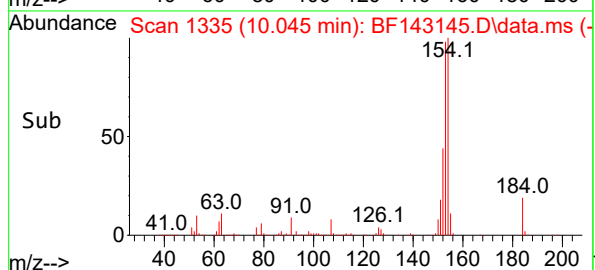
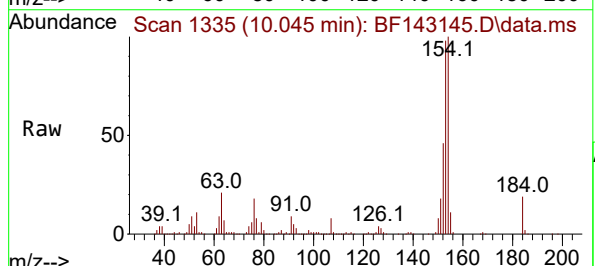
Manual Integrations
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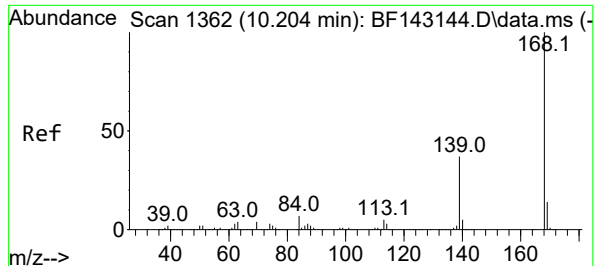
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

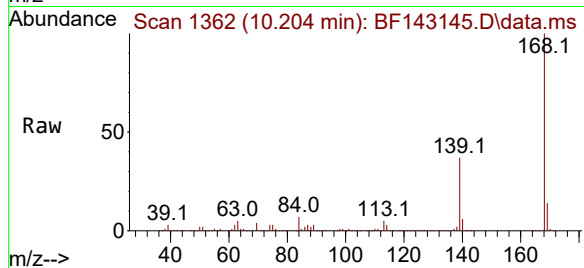
Tgt Ion:184 Resp: 81983
Ion Ratio Lower Upper
184 100
63 106.9 81.8 122.6
154 519.2 412.2 618.4





#55
Dibenzenofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

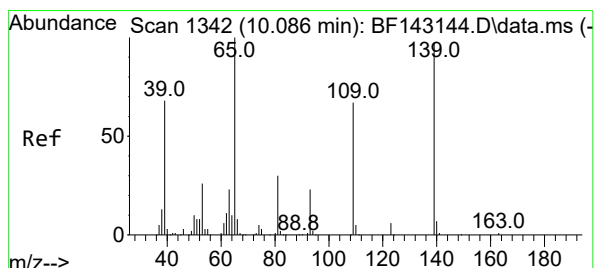
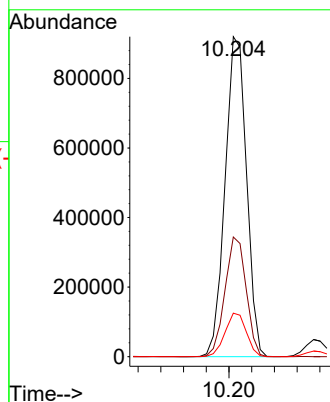
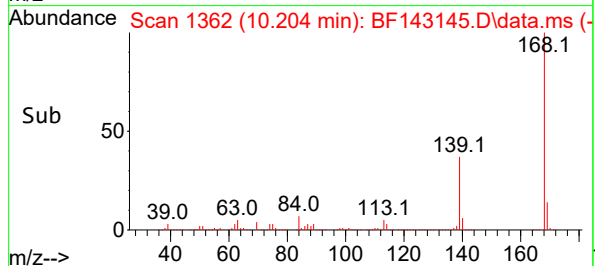
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:168 Resp: 1204088
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.6 10.9 16.3

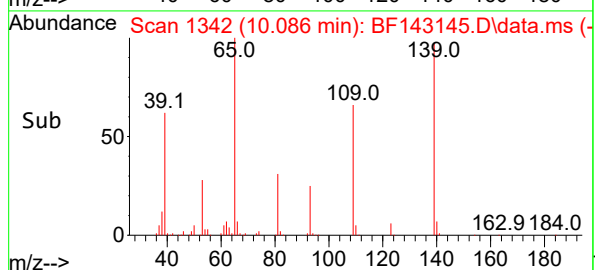
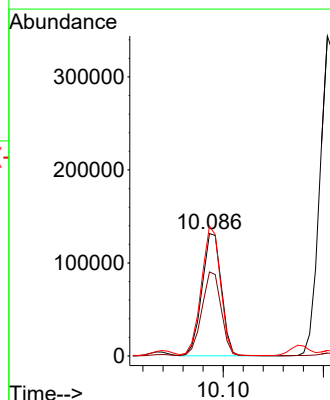
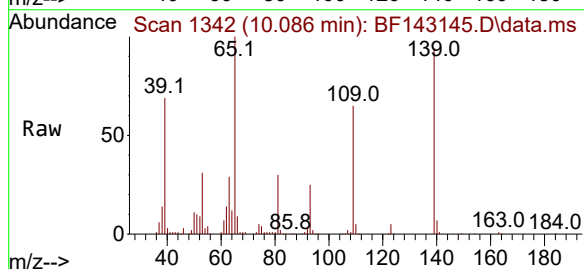
Manual Integrations
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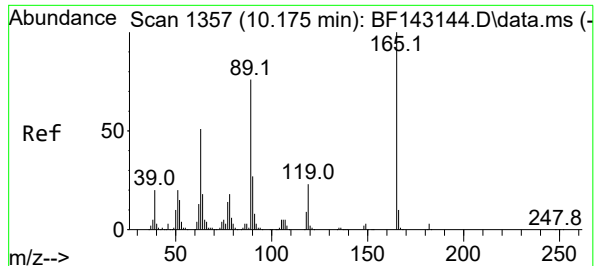
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

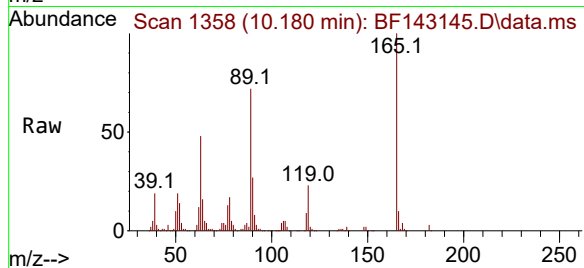
Tgt Ion:139 Resp: 177408
Ion Ratio Lower Upper
139 100
109 68.7 48.5 88.5
65 106.2 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

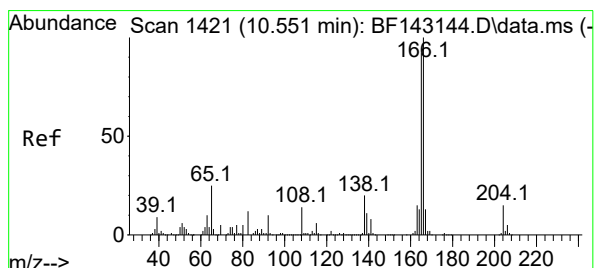
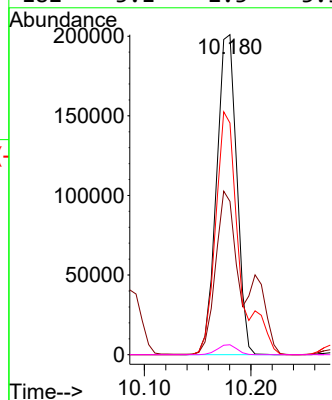
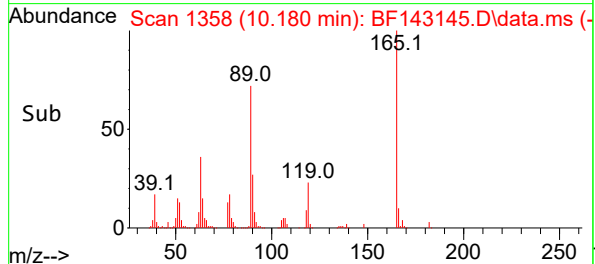
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 264045
Ion Ratio Lower Upper
165 100
63 47.9 41.0 61.4
89 72.4 61.1 91.7
182 3.1 2.3 3.5

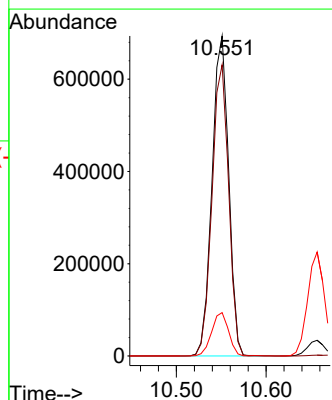
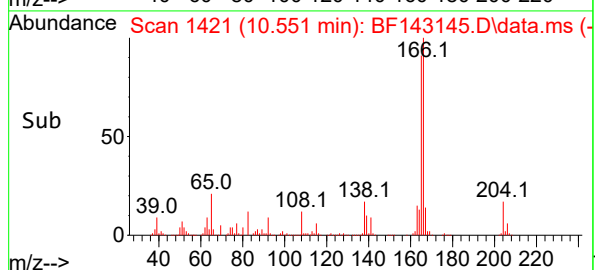
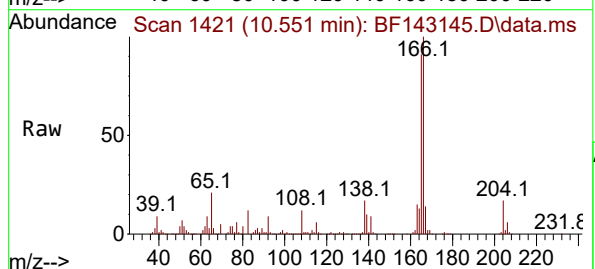
Manual Integrations
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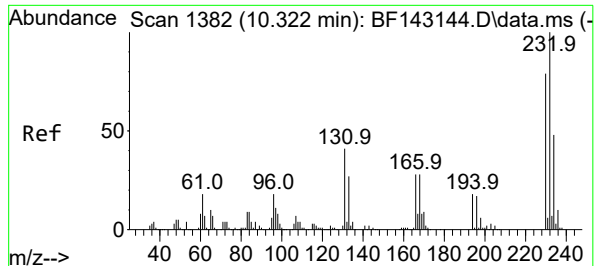
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

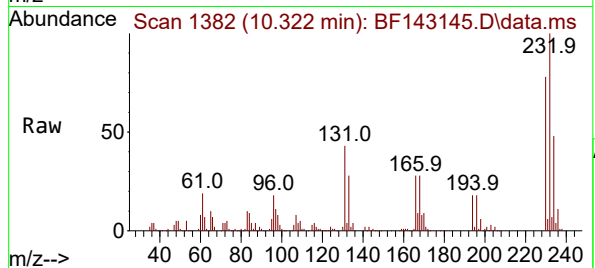
Tgt Ion:166 Resp: 891646
Ion Ratio Lower Upper
166 100
165 91.0 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

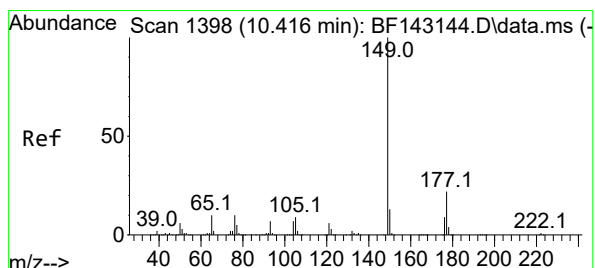
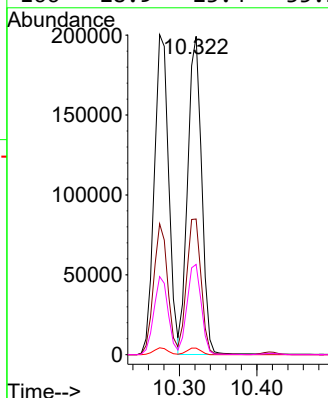
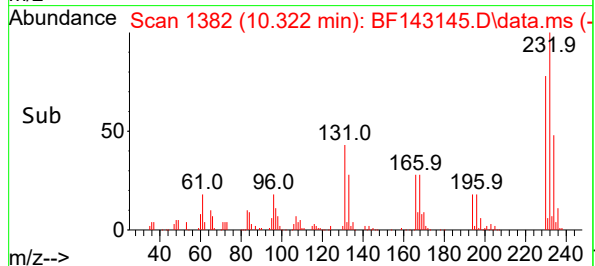
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 248745
Ion Ratio Lower Upper
232 100
131 44.3 35.3 52.9
130 2.1 1.7 2.5
166 28.9 23.4 35.2

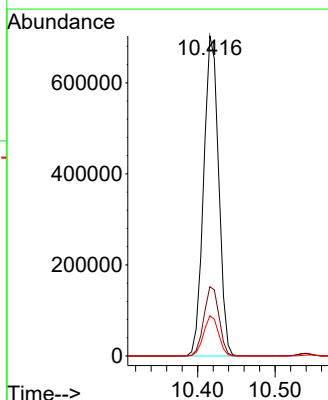
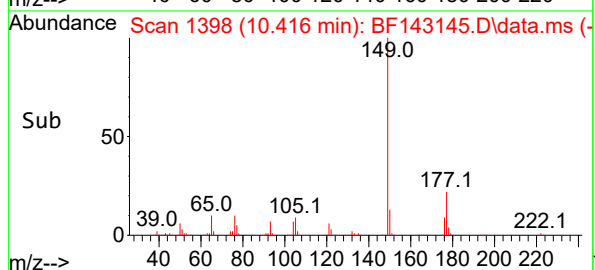
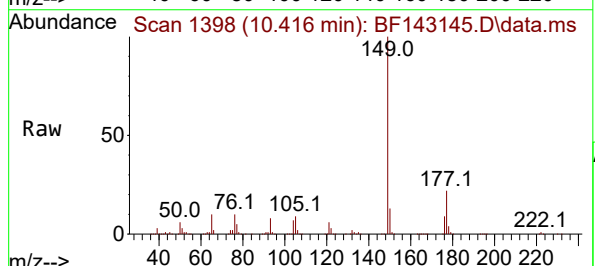
Manual Integrations
APPROVED

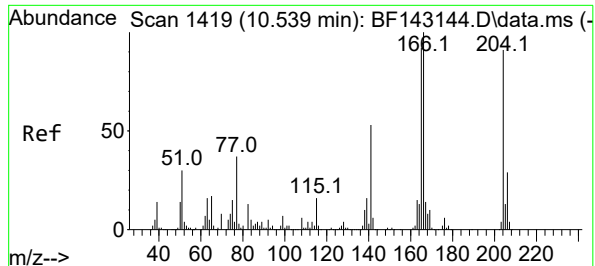
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

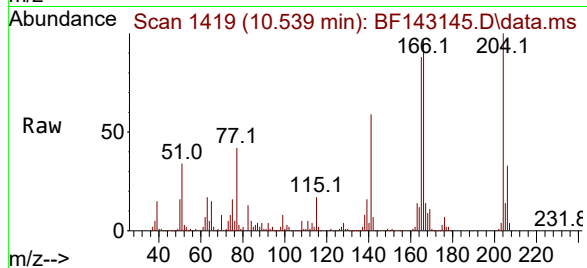
Tgt Ion:149 Resp: 942625
Ion Ratio Lower Upper
149 100
177 21.7 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

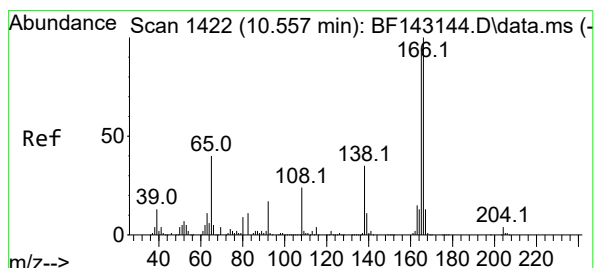
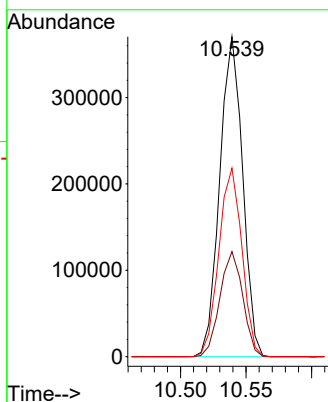
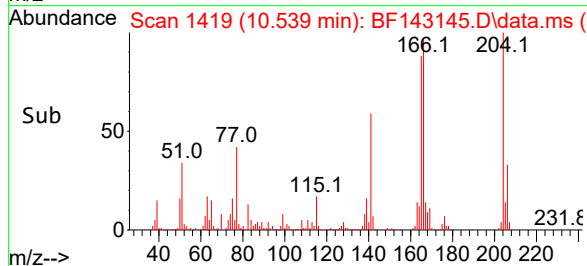
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



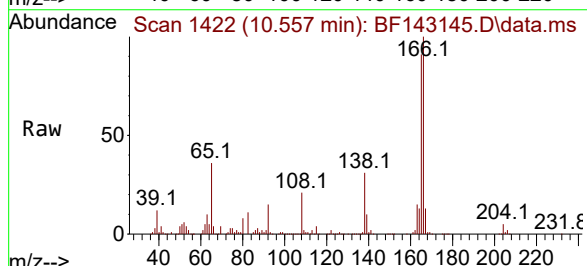
Tgt Ion:204 Resp: 449168
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.9 47.0 70.4

Manual Integrations
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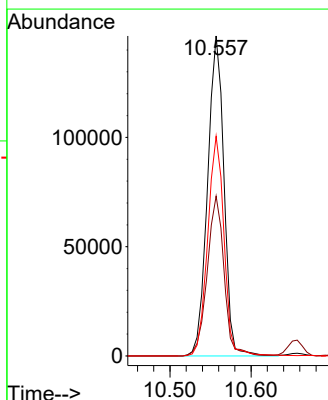
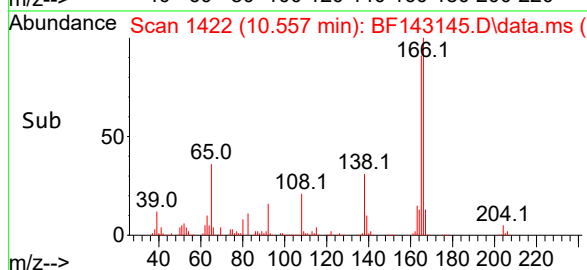
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

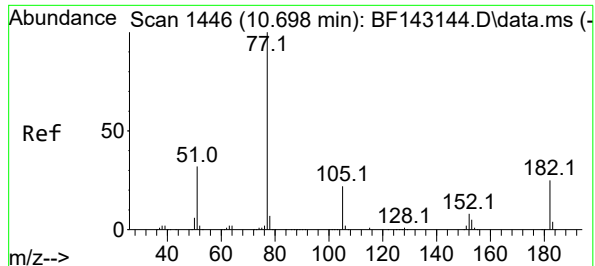


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



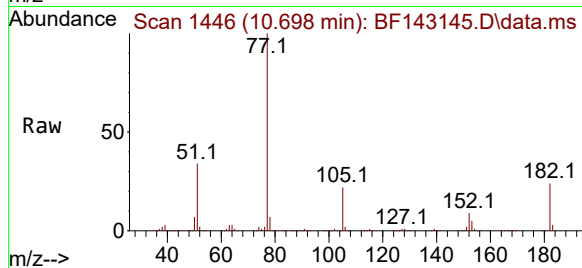
Tgt Ion:138 Resp: 205210
Ion Ratio Lower Upper
138 100
92 50.0 29.3 69.3
108 68.7 48.3 88.3





#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

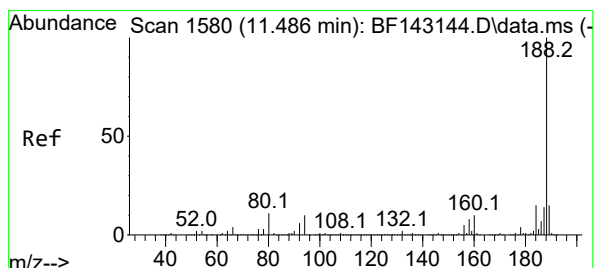
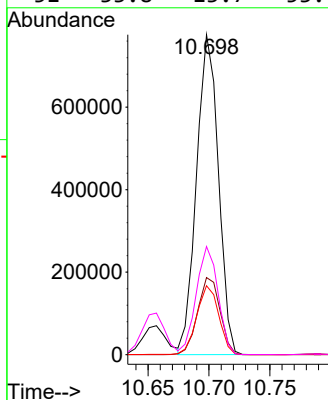
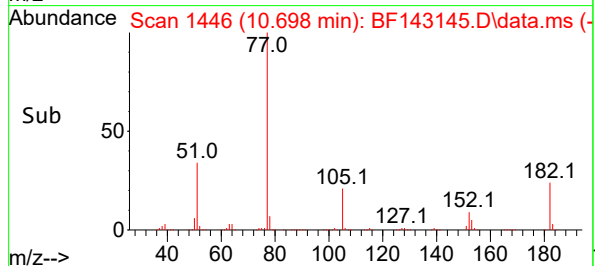
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



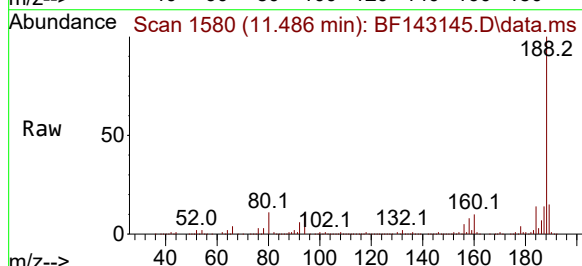
Tgt Ion: 77 Resp: 96693
Ion Ratio Lower Upper
77 100
182 24.1 4.6 44.6
105 21.6 1.4 41.4
51 33.8 13.7 53.7

Manual Integrations
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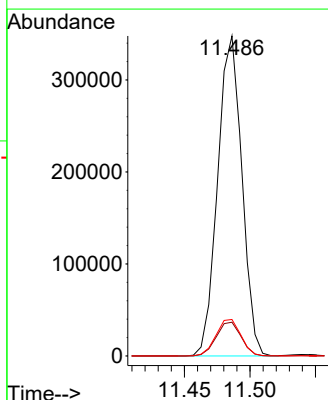
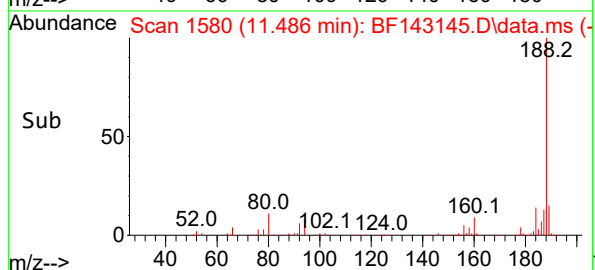
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

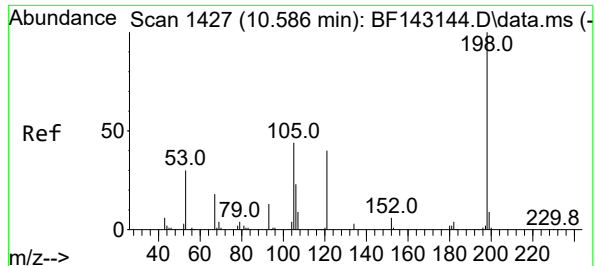


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



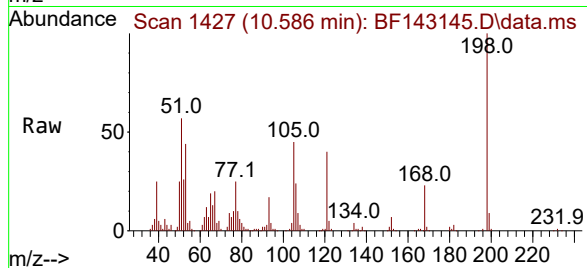
Tgt Ion:188 Resp: 447089
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.4 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

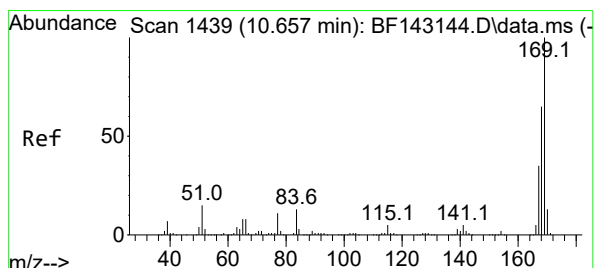
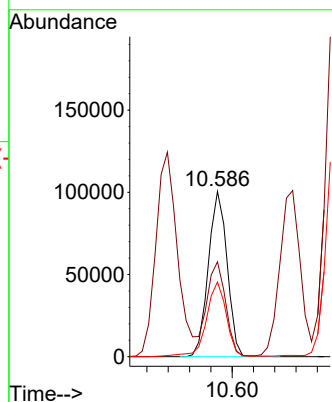
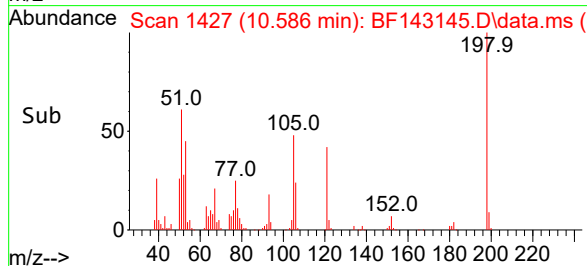
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 122870
Ion Ratio Lower Upper
198 100
51 57.3 37.2 77.2
105 45.1 24.8 64.8

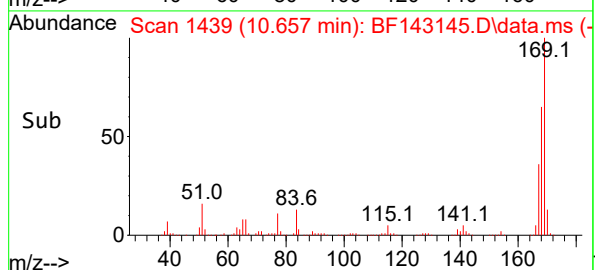
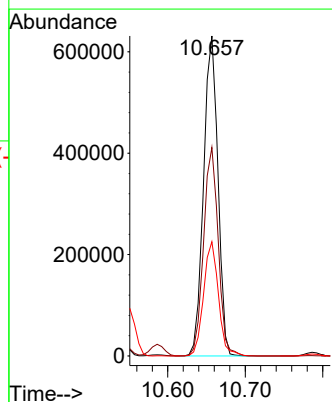
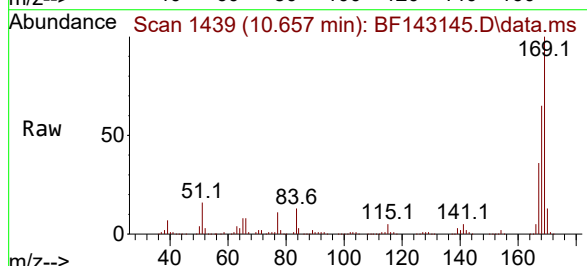
Manual Integrations
APPROVED

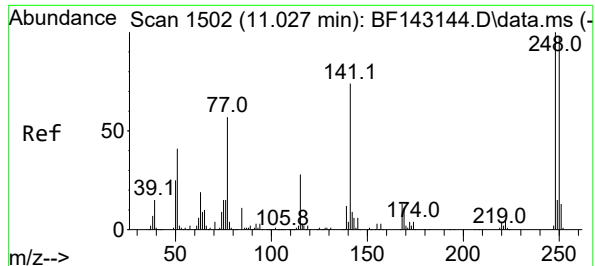
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

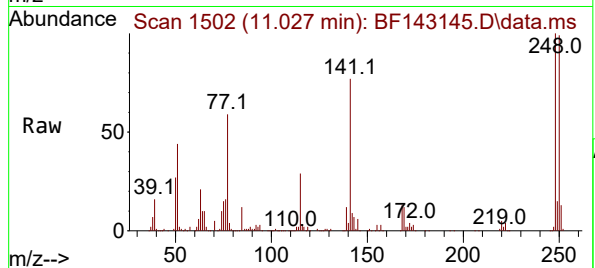
Tgt Ion:169 Resp: 811422
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 35.7 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

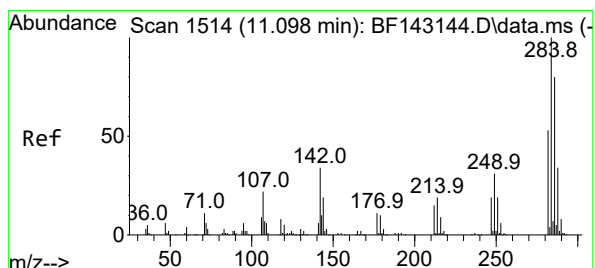
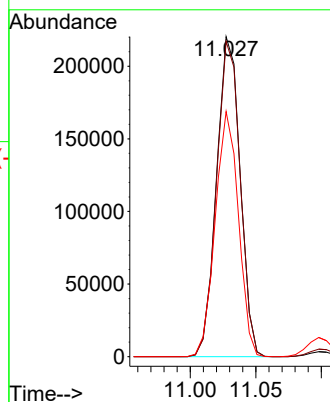
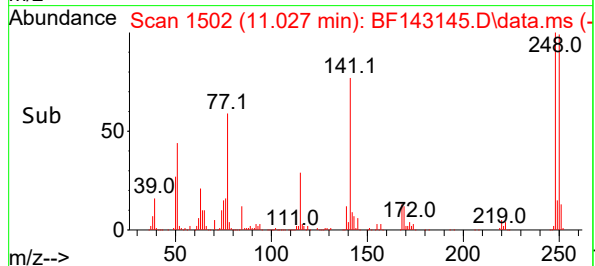
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



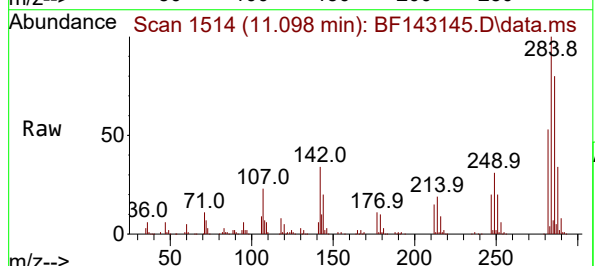
Tgt Ion:248 Resp: 275679
Ion Ratio Lower Upper
248 100
250 98.5 78.3 117.5
141 76.6 59.2 88.8

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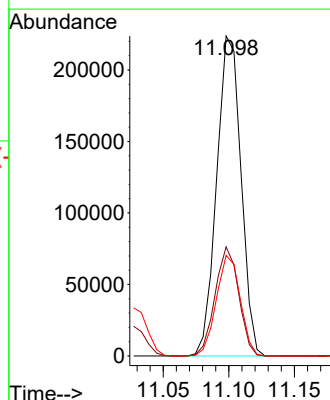
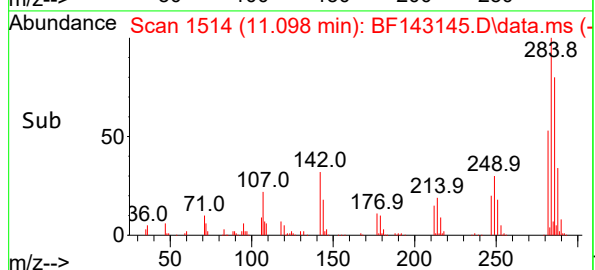
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

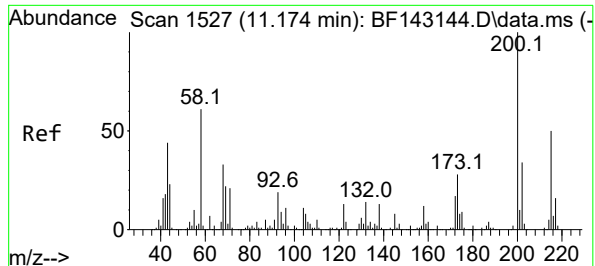


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



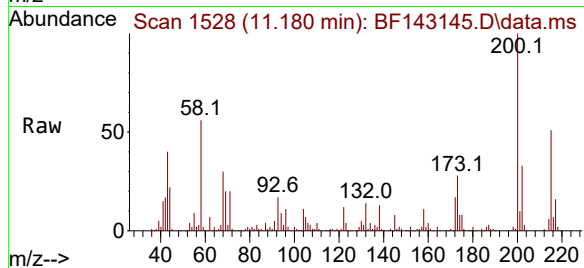
Tgt Ion:284 Resp: 288405
Ion Ratio Lower Upper
284 100
142 34.1 27.0 40.6
249 31.4 25.0 37.6





#69
Atrazine
Concen: 53.662 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

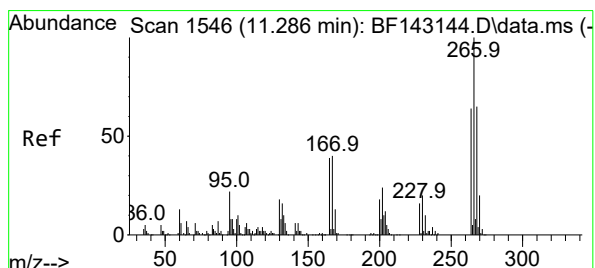
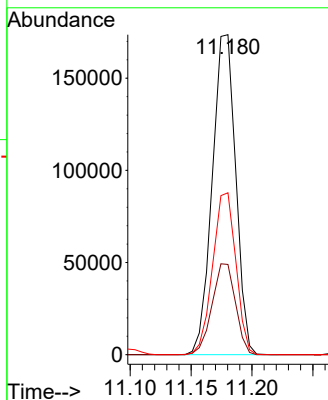
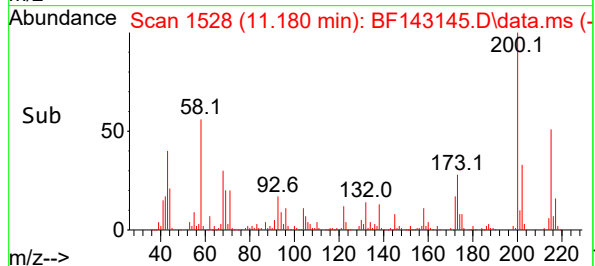
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:200 Resp: 232907
Ion Ratio Lower Upper
200 100
173 28.2 7.9 47.9
215 50.6 30.1 70.1

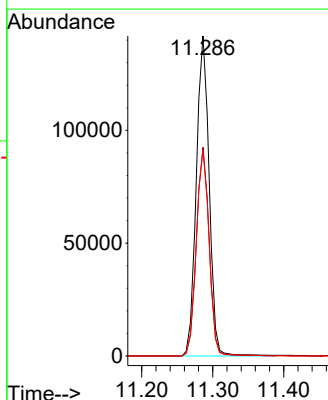
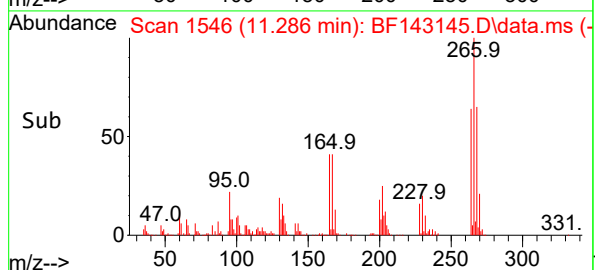
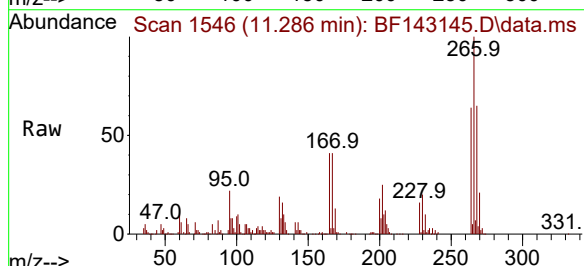
Manual Integrations
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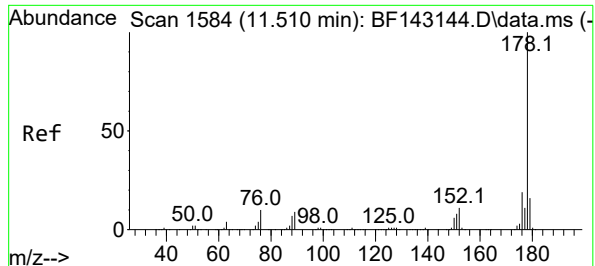
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#70
Pentachlorophenol
Concen: 54.581 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

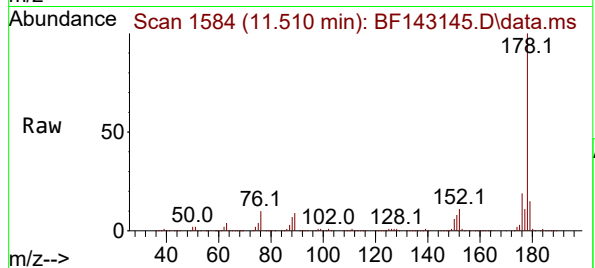
Tgt Ion:266 Resp: 178753
Ion Ratio Lower Upper
266 100
268 65.2 51.9 77.9
264 64.5 51.0 76.6





#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

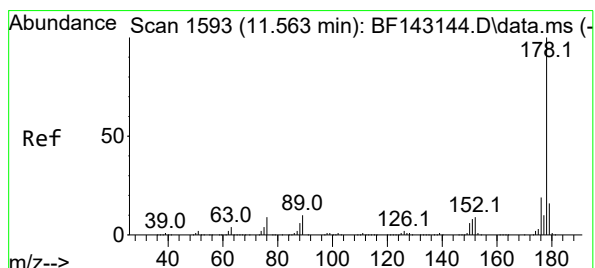
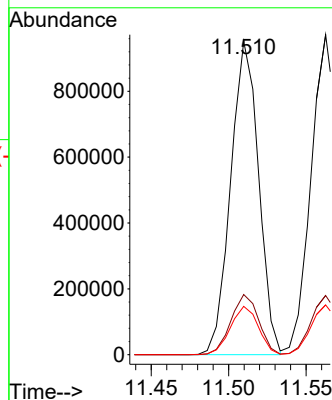
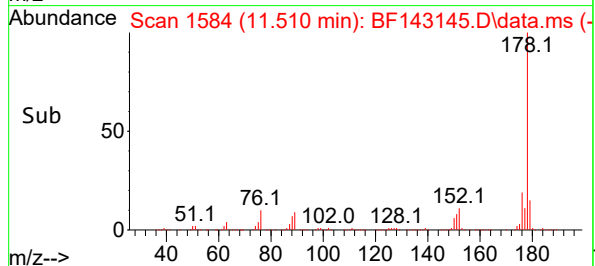
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1194582
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.5 18.7

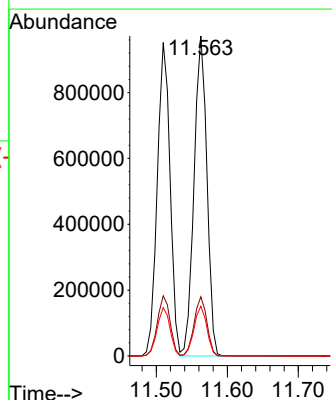
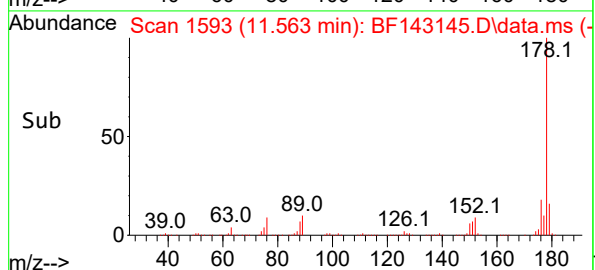
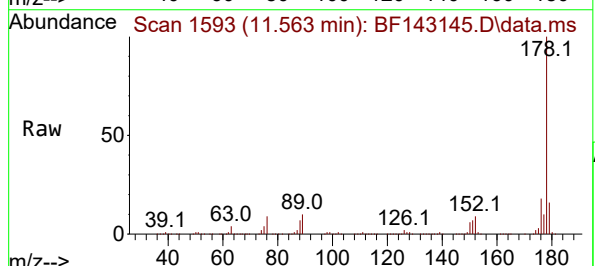
Manual Integrations
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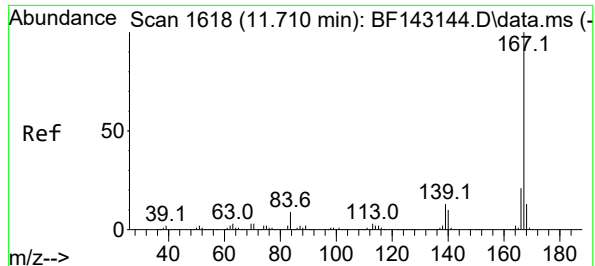
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

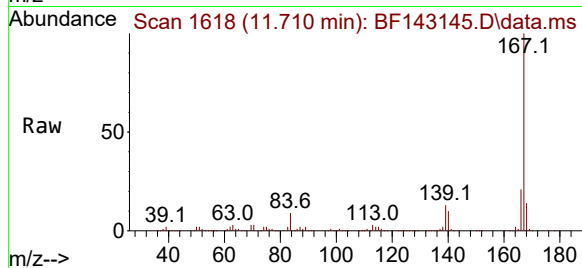
Tgt Ion:178 Resp: 1223920
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.5 18.7





#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

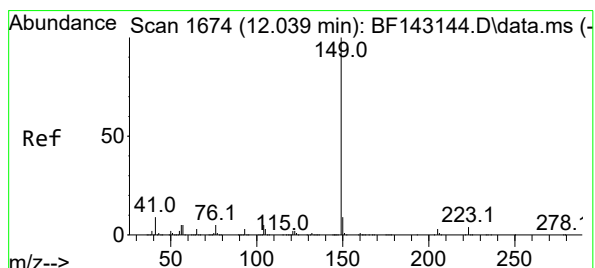
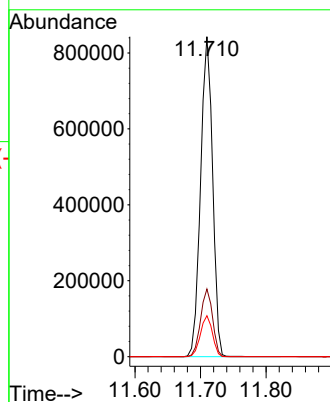
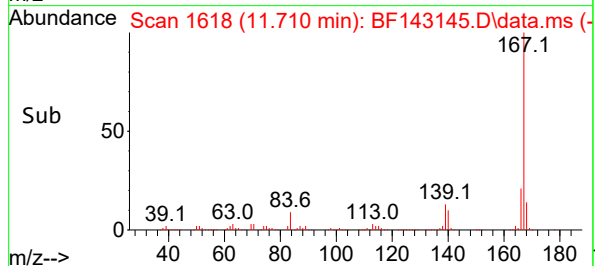
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



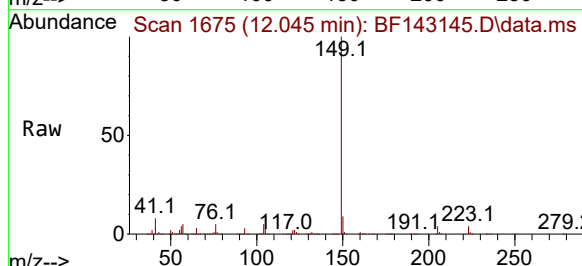
Tgt Ion:167 Resp: 107680
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.8 10.0 15.0

Manual Integrations
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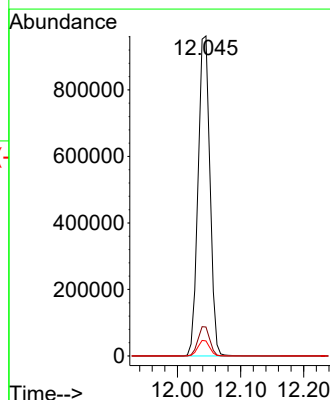
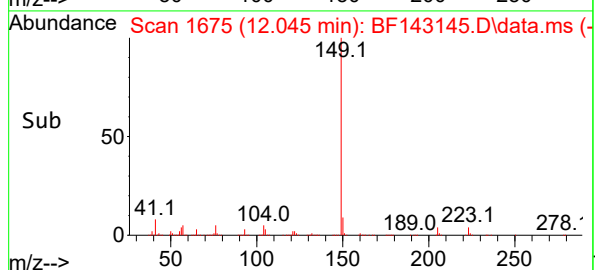
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

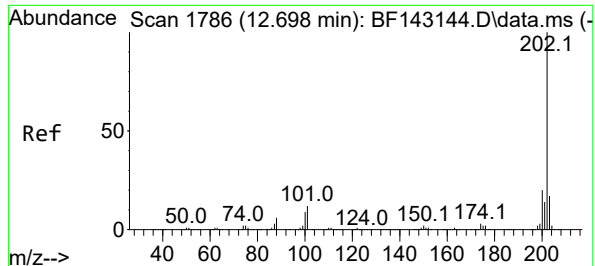


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33



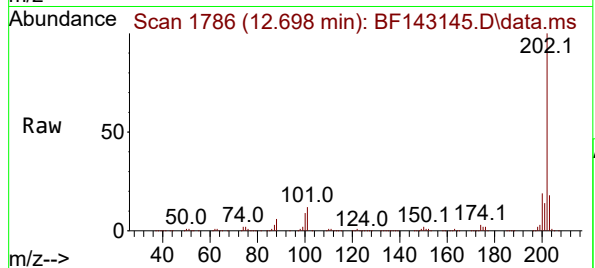
Tgt Ion:149 Resp: 1250841
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

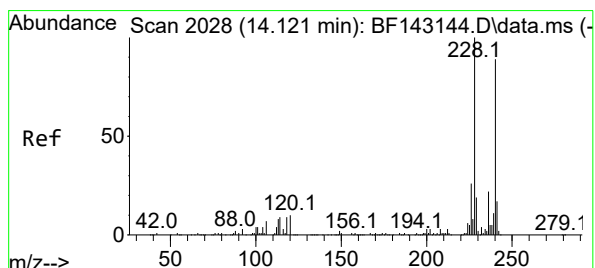
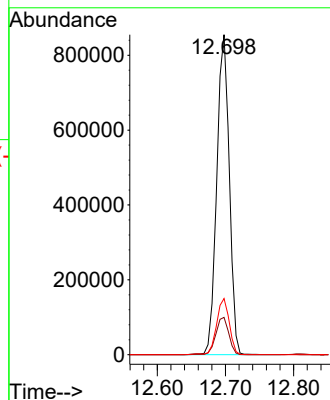
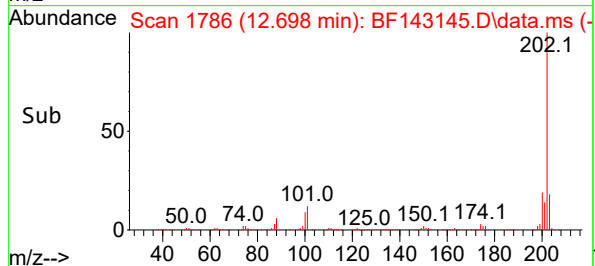
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1093890
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4

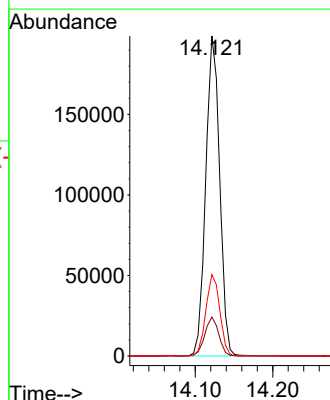
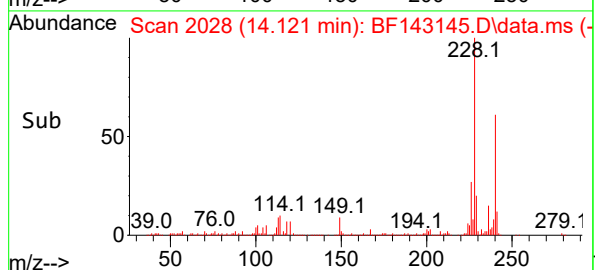
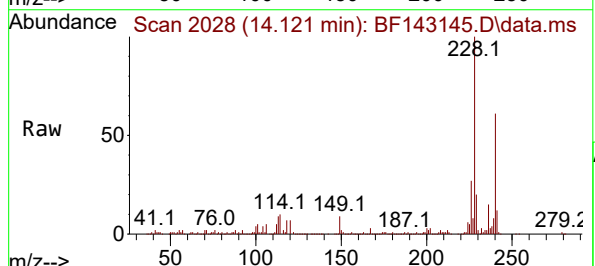
Manual Integrations
APPROVED

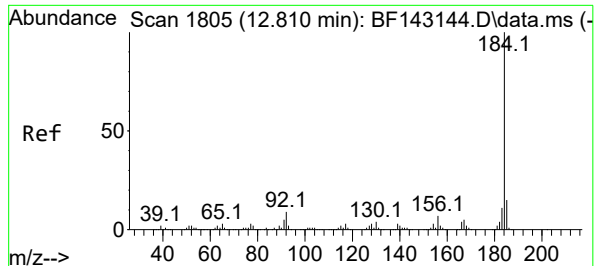
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

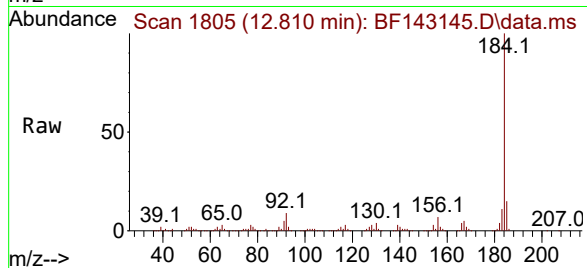
Tgt Ion:240 Resp: 247878
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 25.4 20.2 30.4





#77
Benzidine
Concen: 45.229 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

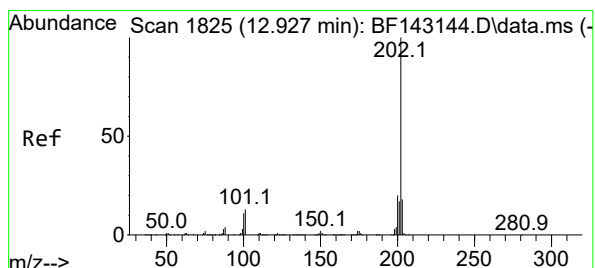
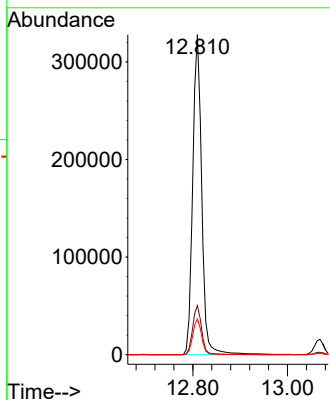
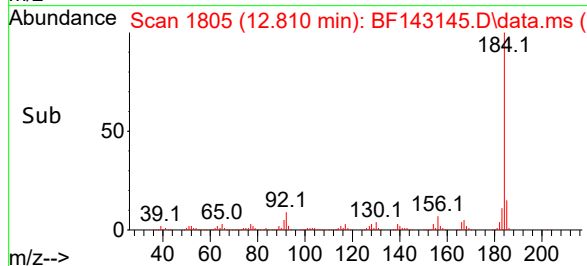
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 431944
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.4
183 11.2 9.0 13.4

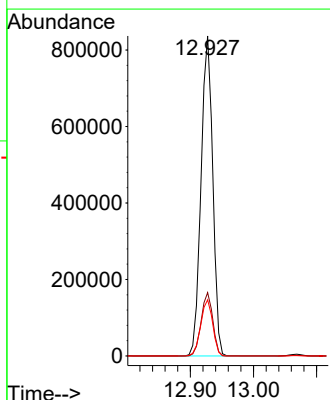
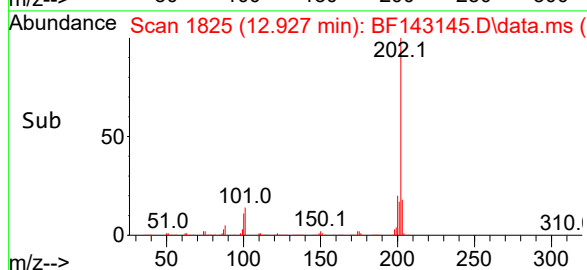
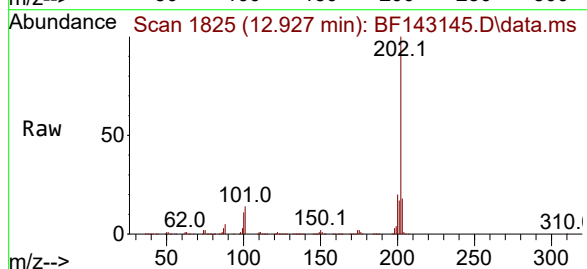
Manual Integrations
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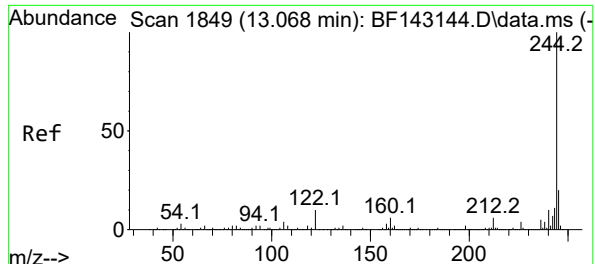
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:202 Resp: 1078520
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 99.838 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp: 166303

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

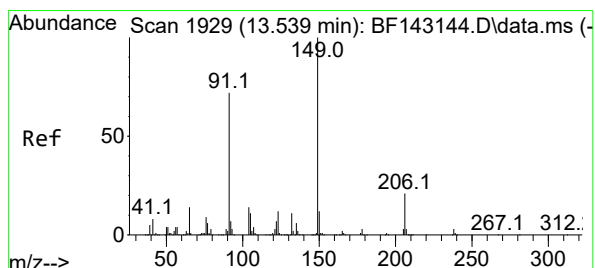
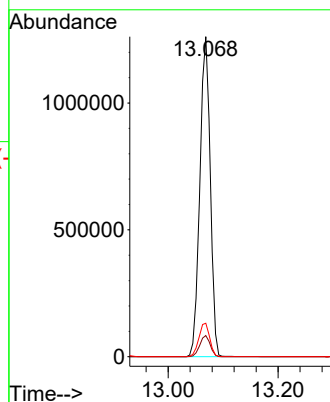
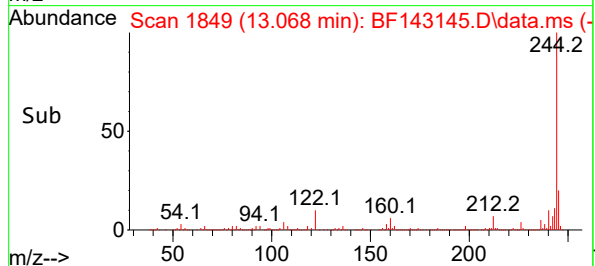
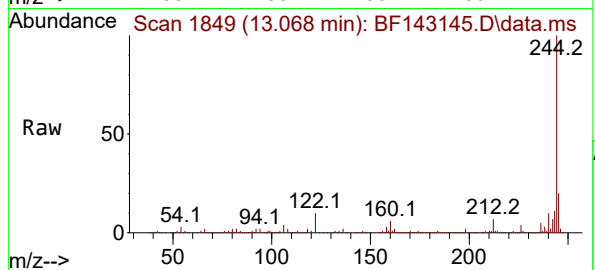
122 10.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 55.681 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

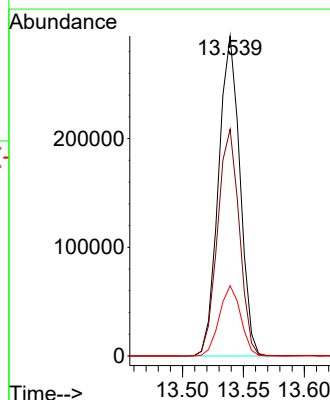
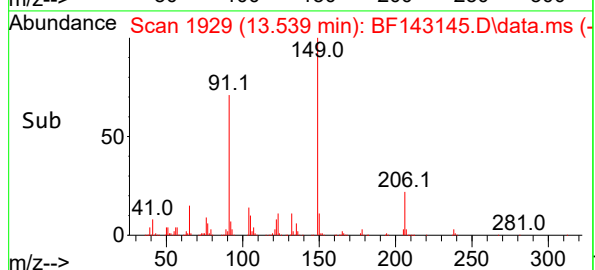
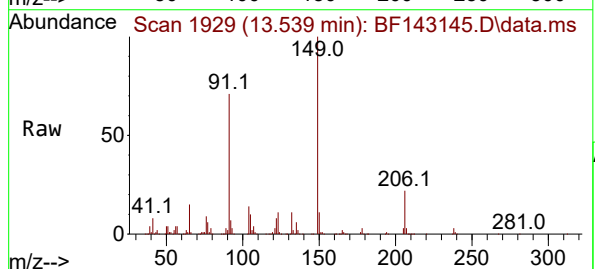
Tgt Ion:149 Resp: 360698

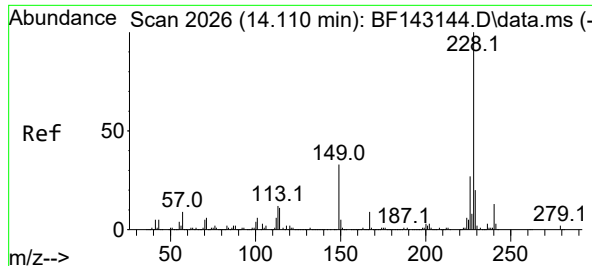
Ion Ratio Lower Upper

149 100

91 70.8 57.9 86.9

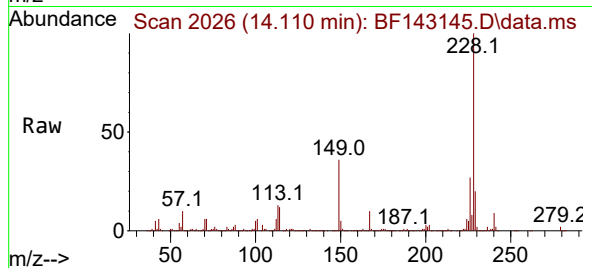
206 22.0 17.0 25.4





#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

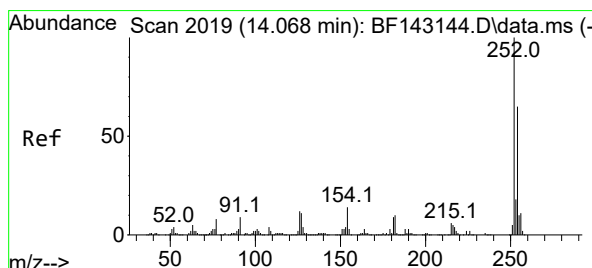
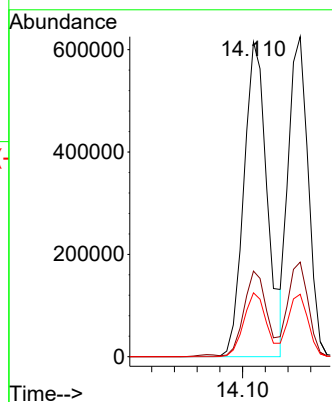
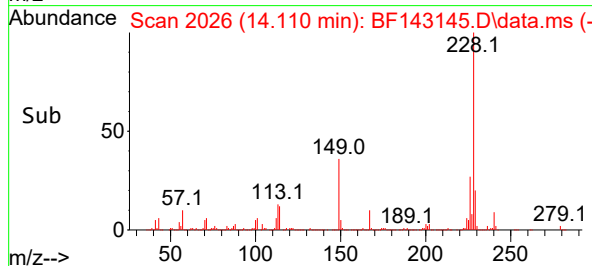
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 880975
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 20.3 15.8 23.6

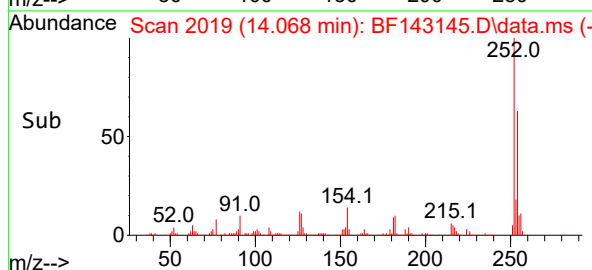
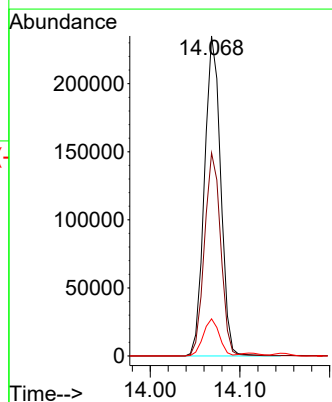
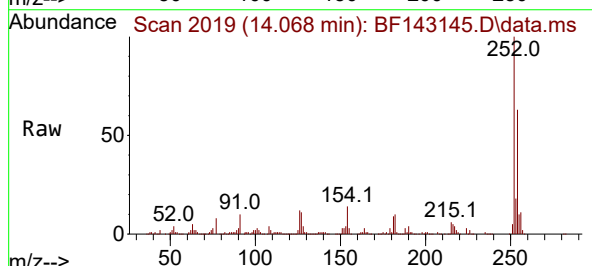
Manual Integrations
APPROVED

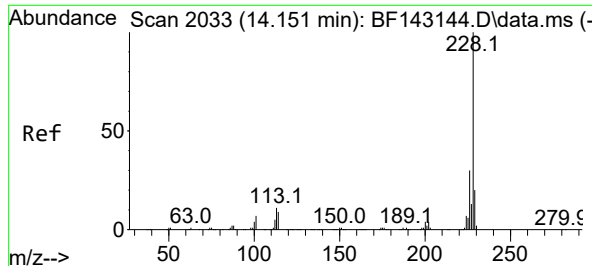
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 294836
Ion Ratio Lower Upper
252 100
254 63.5 51.7 77.5
126 11.6 9.4 14.0





#83

Chrysene

Concen: 50.597 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143145.D

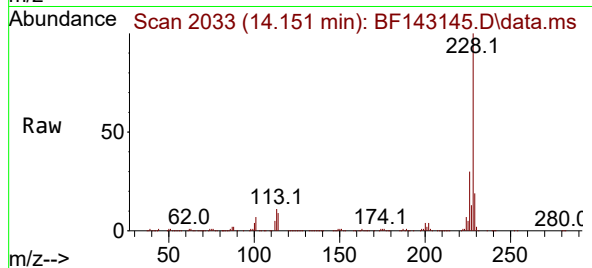
Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:228 Resp: 75495

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

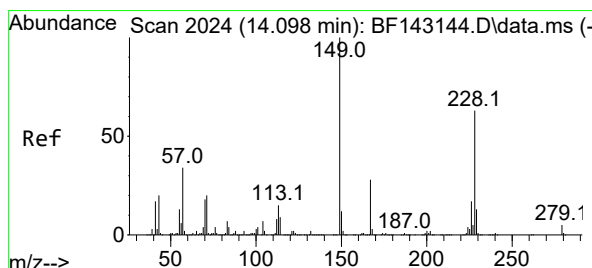
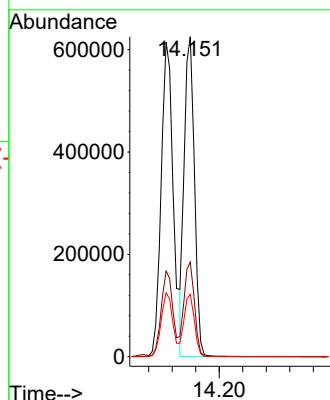
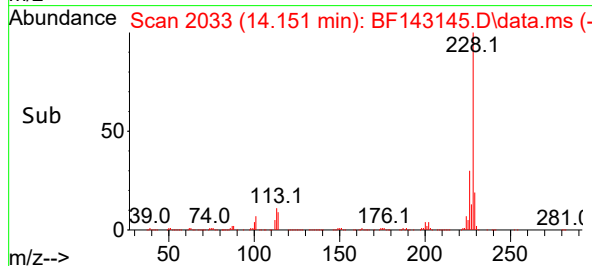
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

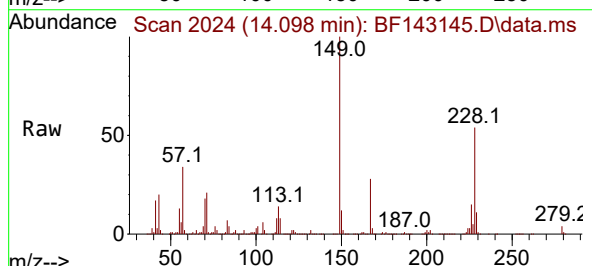
Concen: 54.475 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33



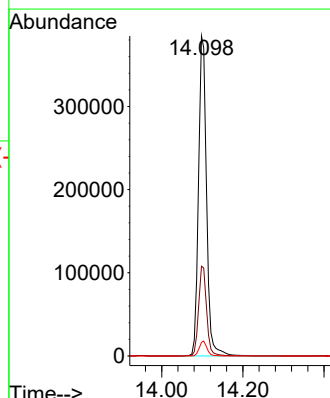
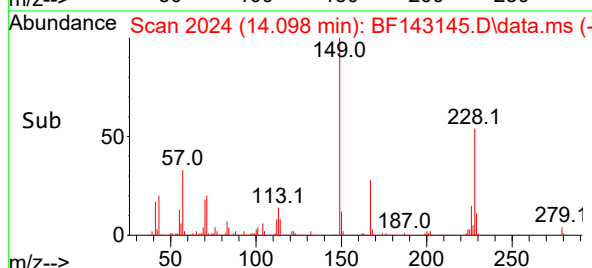
Tgt Ion:149 Resp: 534128

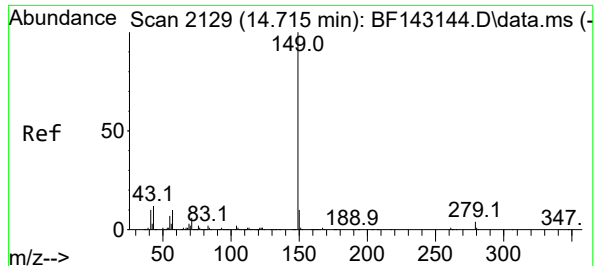
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

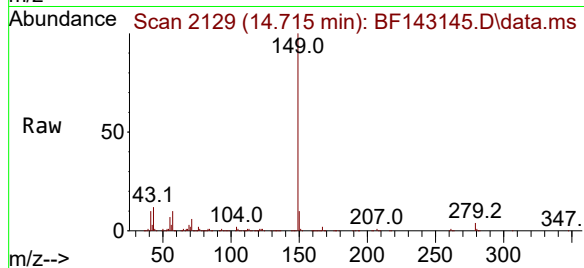
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

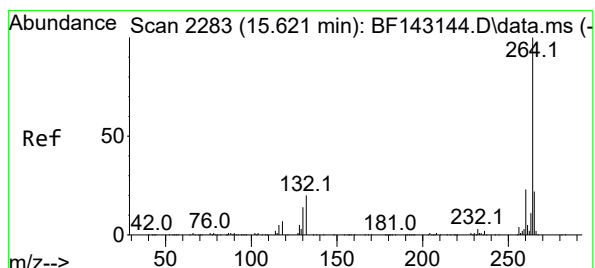
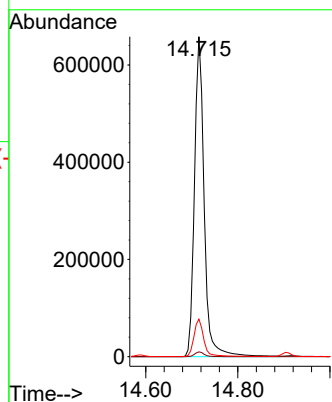
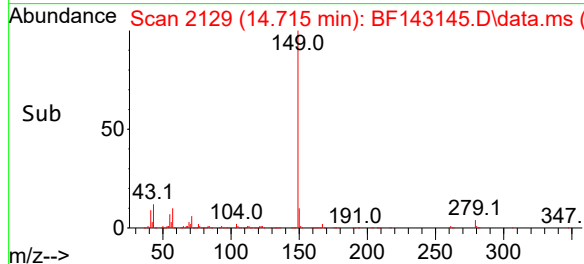
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 960309
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.9 9.7 14.5

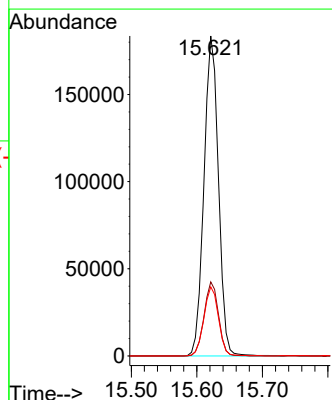
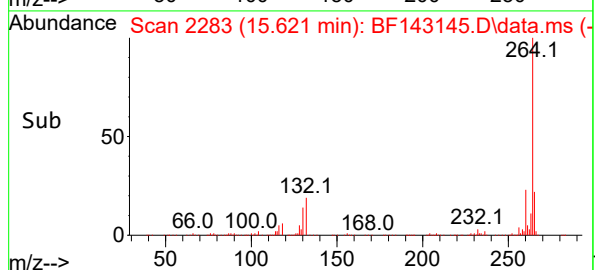
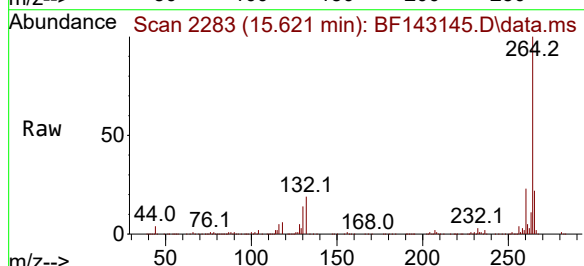
Manual Integrations
APPROVED

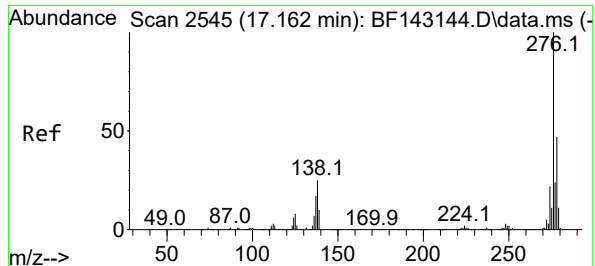
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

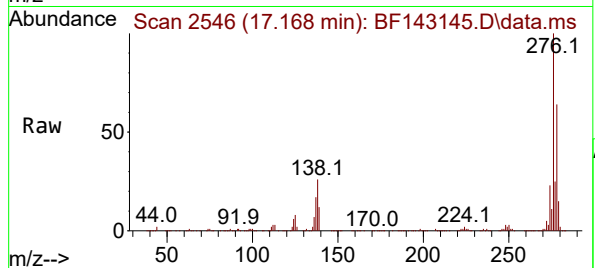
Tgt Ion:264 Resp: 282289
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

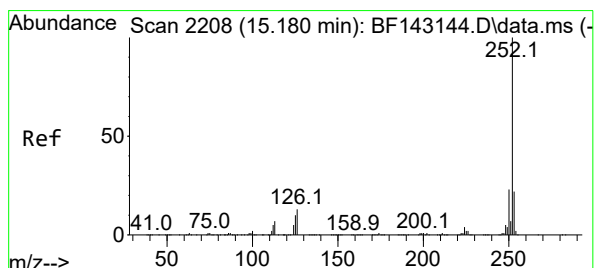
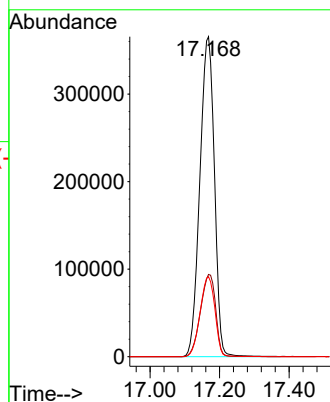
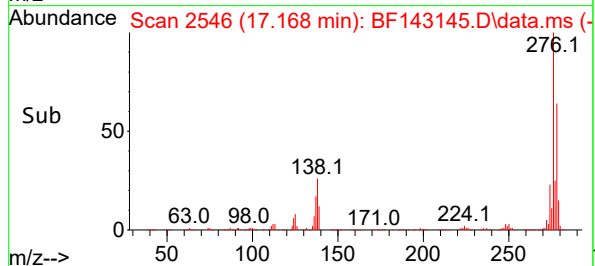
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:276 Resp: 106187
Ion Ratio Lower Upper
276 100
138 26.8 21.8 32.6
277 25.4 20.0 30.0

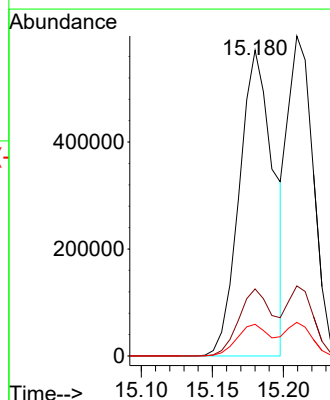
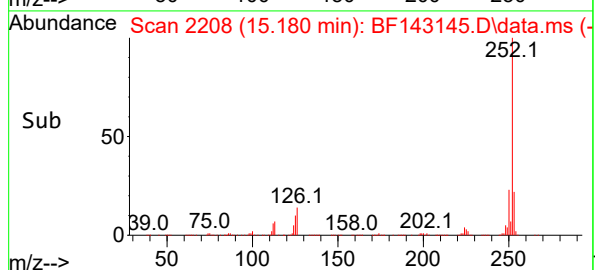
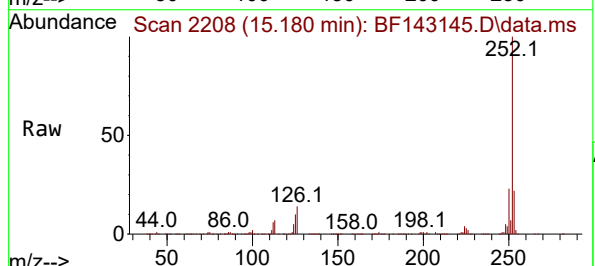
Manual Integrations
APPROVED

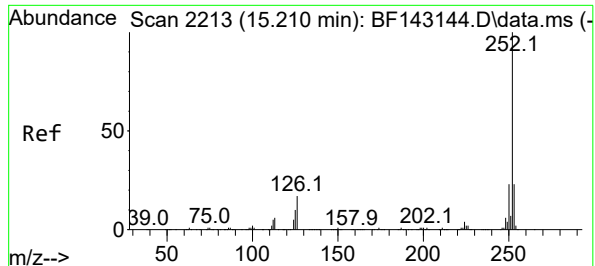
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 953990
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 49.024 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 75441

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

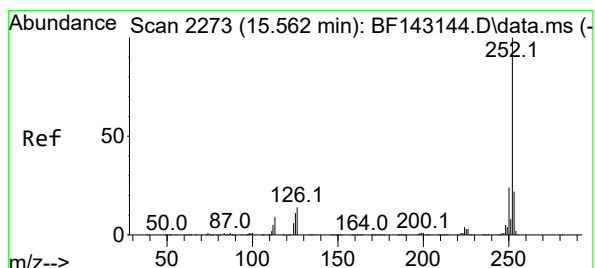
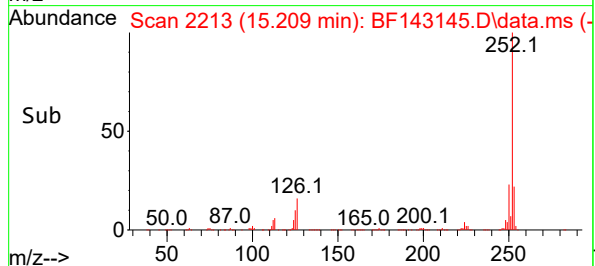
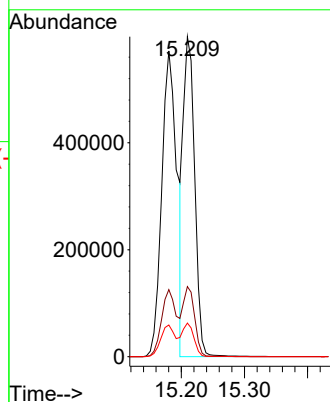
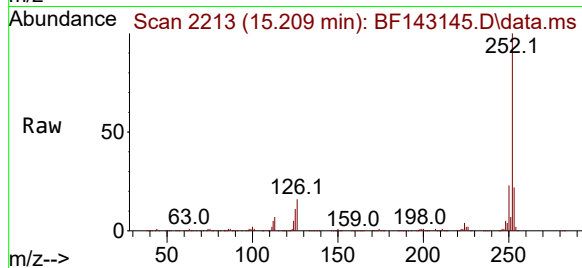
125 10.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 52.928 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

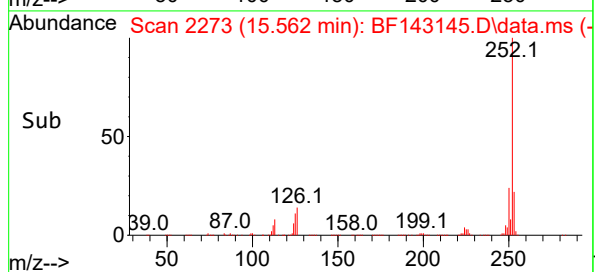
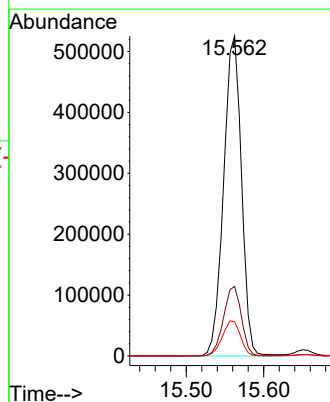
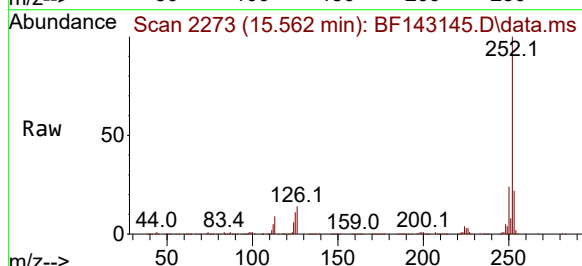
Tgt Ion:252 Resp: 840968

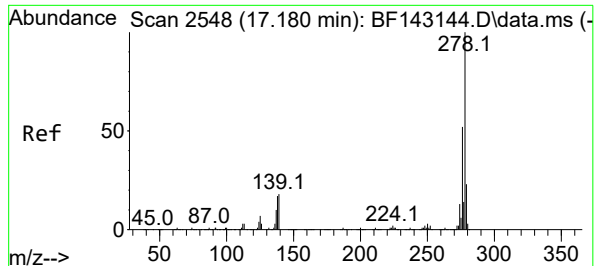
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 10.7 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 53.172 ng

RT: 17.186 min Scan# 2548

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:278 Resp: 86146

Ion Ratio Lower Upper

278 100

139 16.5 14.1 21.1

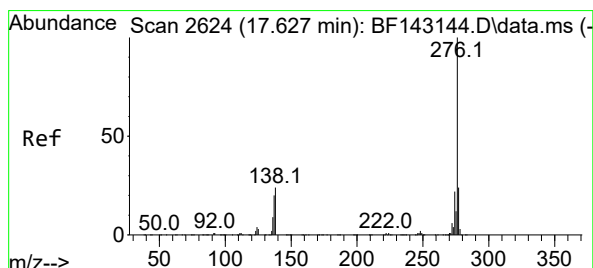
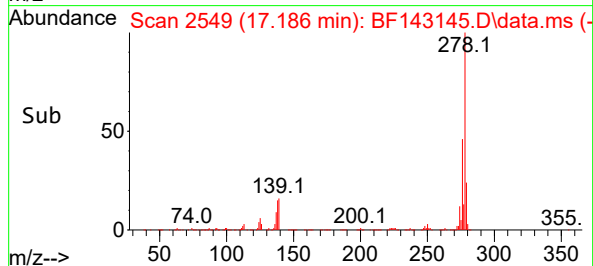
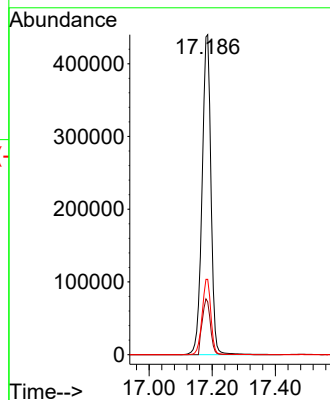
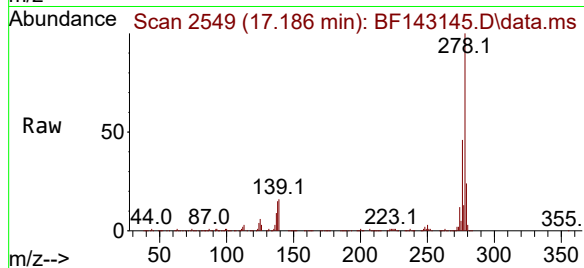
279 23.5 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#92

Benzo(g,h,i)perylene

Concen: 53.845 ng

RT: 17.633 min Scan# 2625

Delta R.T. 0.006 min

Lab File: BF143145.D

Acq: 17 Jul 2025 13:33

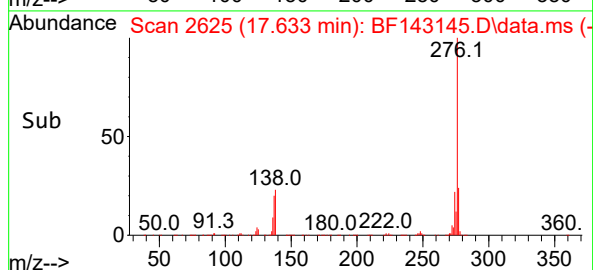
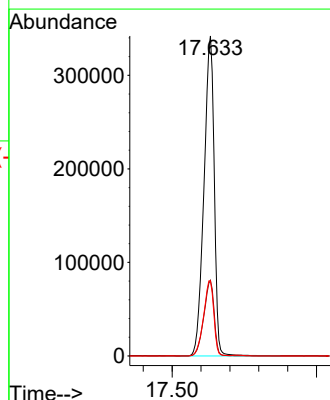
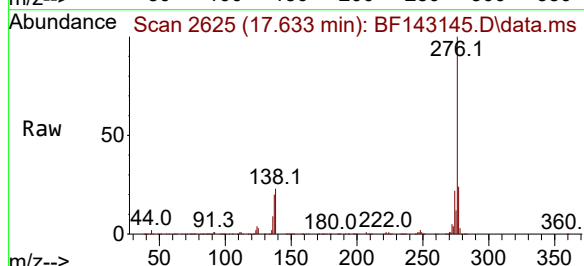
Tgt Ion:276 Resp: 843865

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 23.5 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	769713m	58.002	ng	
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143146.D
 Acq On : 17 Jul 2025 14:04
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:08 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jul 17 14:54:43 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

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

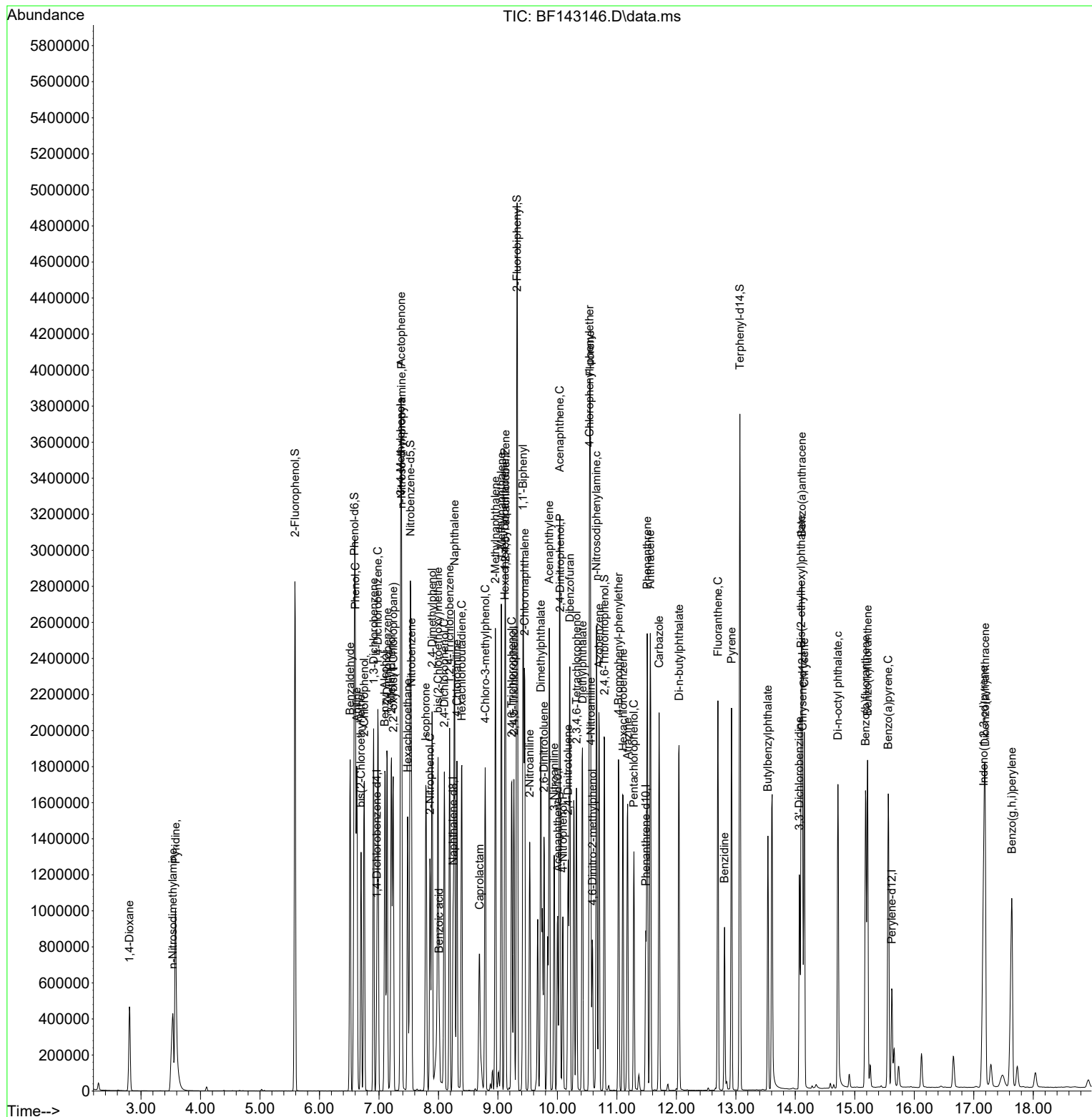
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

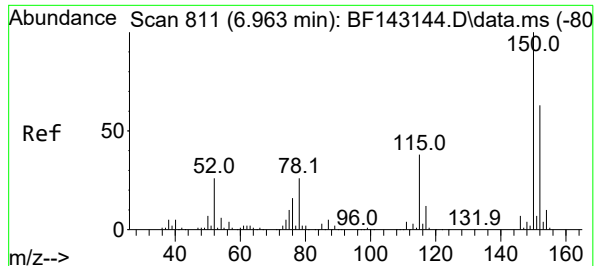
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

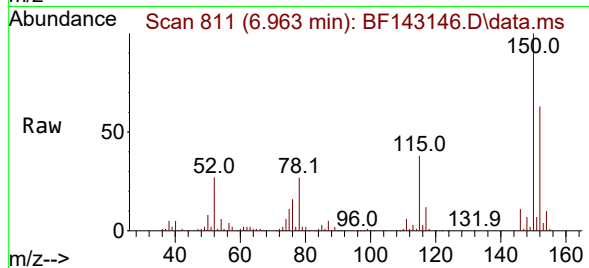
Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

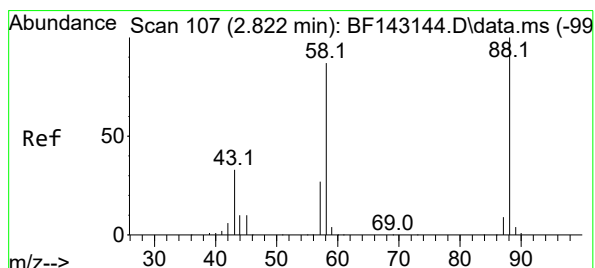
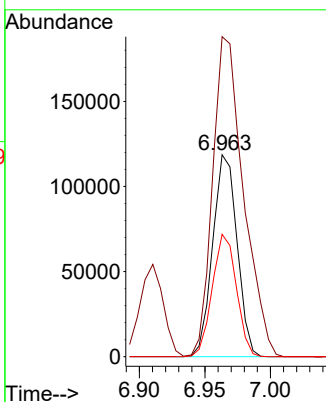
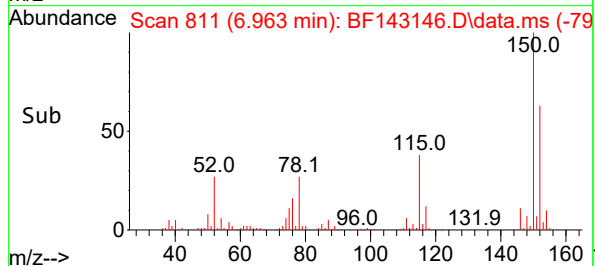
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



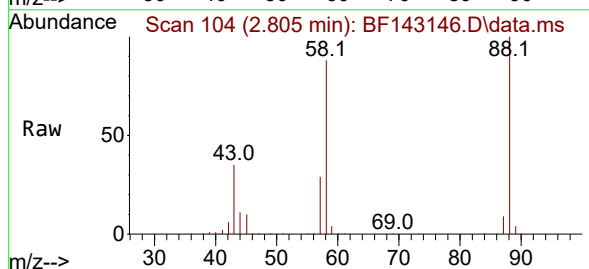
Tgt Ion:152 Resp: 153150
Ion Ratio Lower Upper
152 100
150 158.5 128.2 192.4
115 60.7 47.9 71.9

Manual Integrations
APPROVED

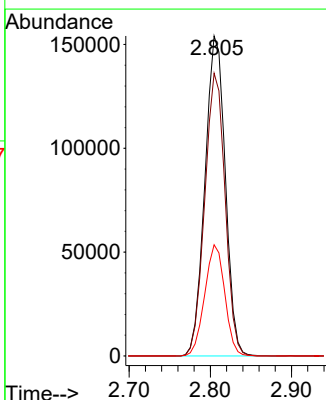
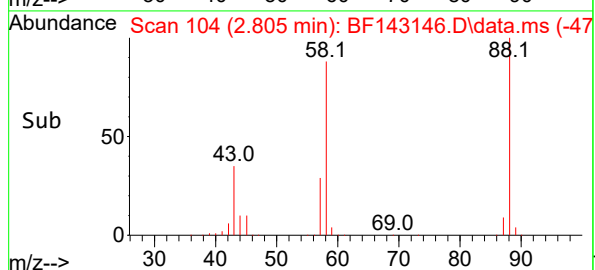
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

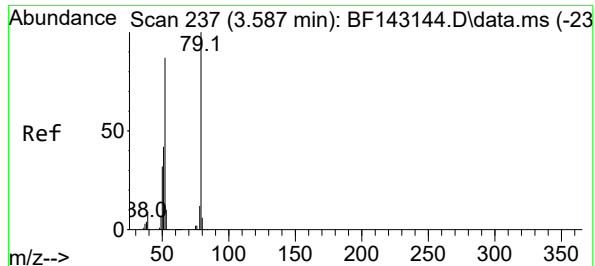


#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



Tgt Ion: 88 Resp: 268511
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.2
43 34.2 27.1 40.7





#3

Pyridine

Concen: 58.965 ng

RT: 3.581 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 700860

Ion Ratio Lower Upper

79 100

52 85.7 69.4 104.2

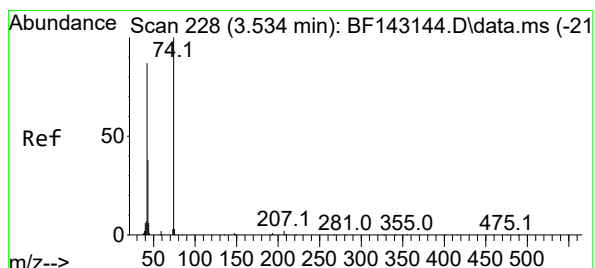
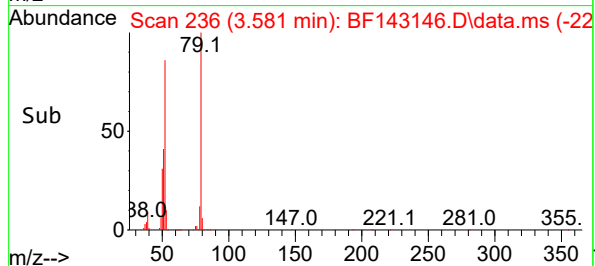
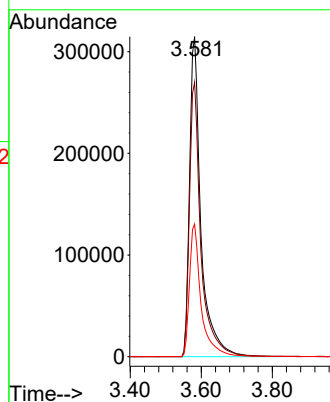
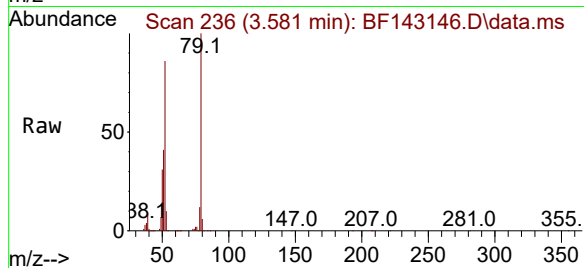
51 41.4 33.5 50.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 60.203 ng

RT: 3.534 min Scan# 228

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

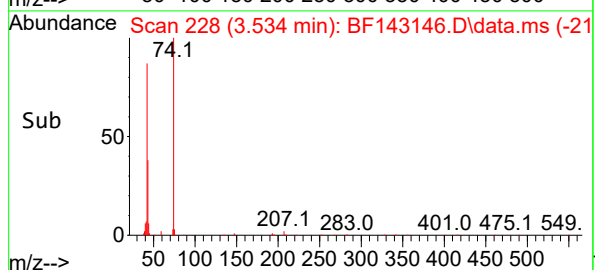
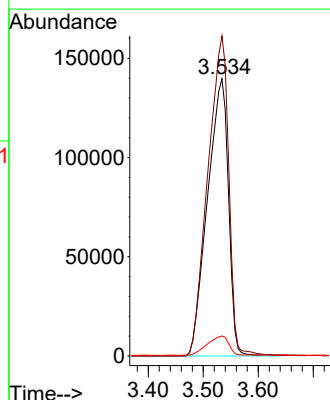
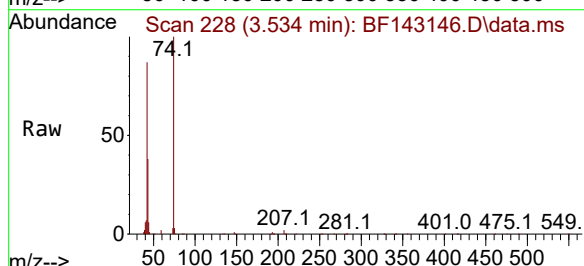
Tgt Ion: 42 Resp: 369452

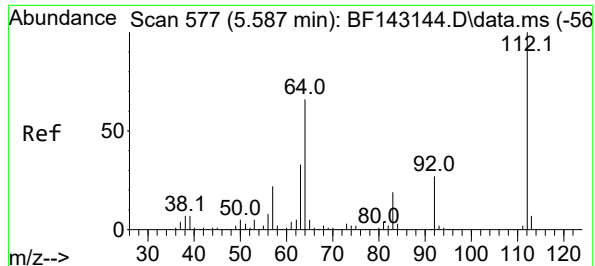
Ion Ratio Lower Upper

42 100

74 115.5 91.7 137.5

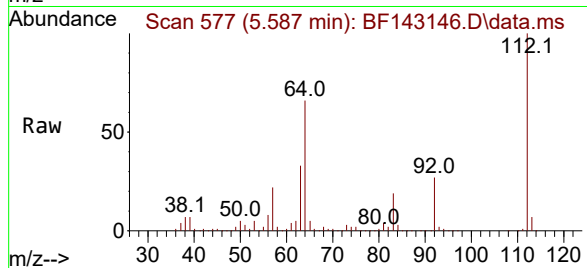
44 7.2 5.6 8.4





#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

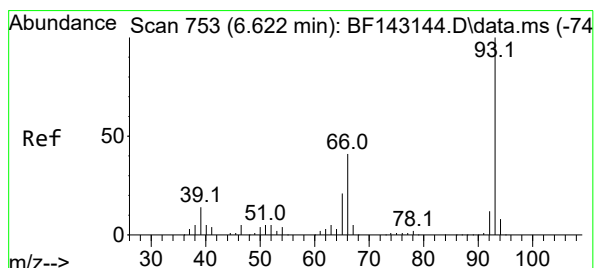
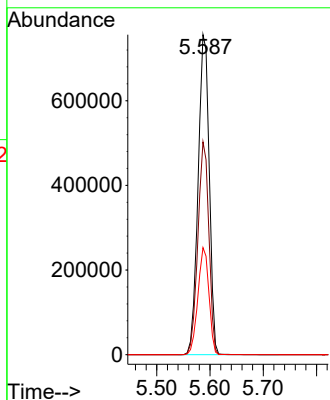
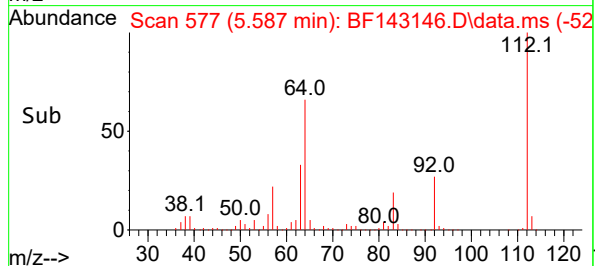
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:112 Resp: 1096770
Ion Ratio Lower Upper
112 100
64 66.5 53.1 79.7
63 33.4 26.6 40.0

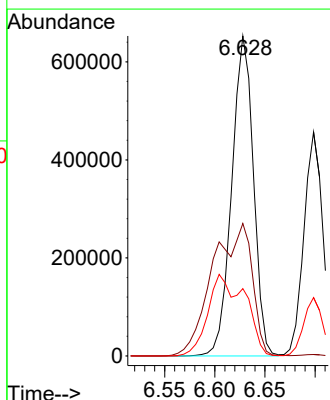
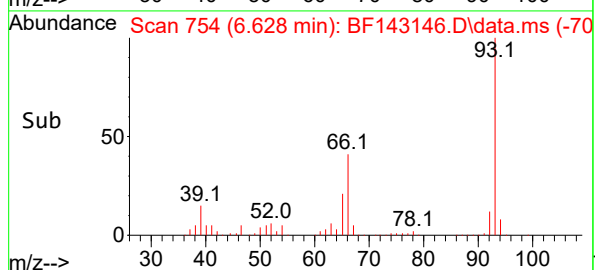
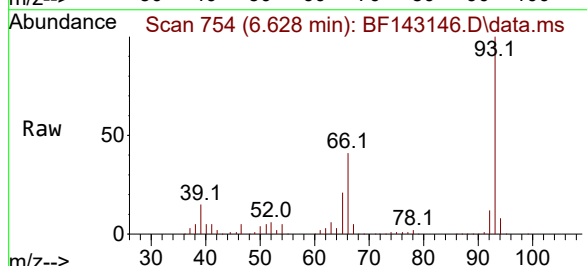
Manual Integrations
APPROVED

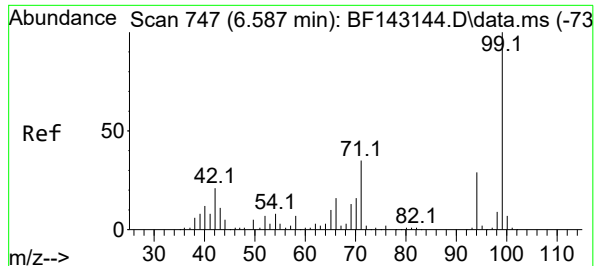
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 982918
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 21.0 16.9 25.3





#7

Phenol-d6

Concen: 113.616 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 1384010

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.6

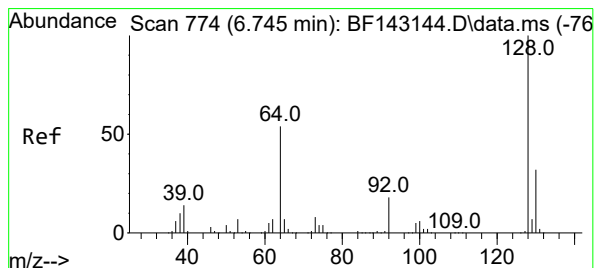
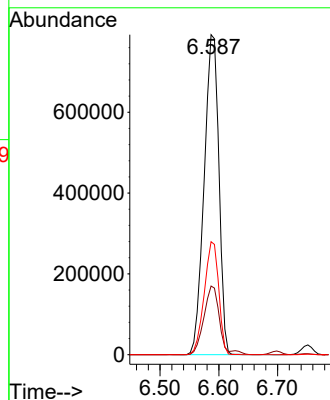
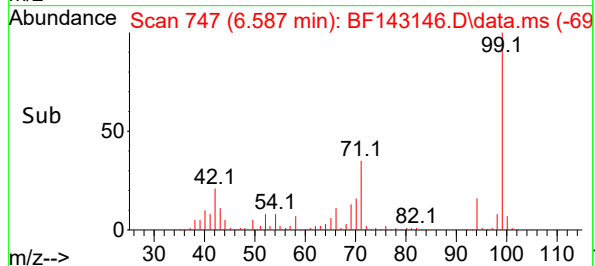
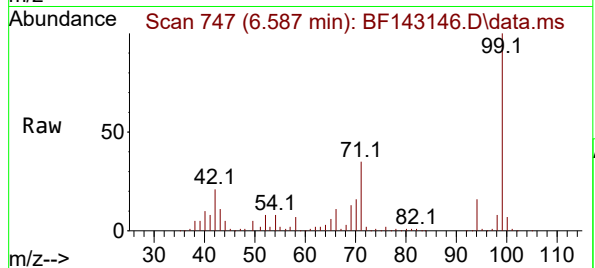
71 35.3 27.7 41.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 58.147 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

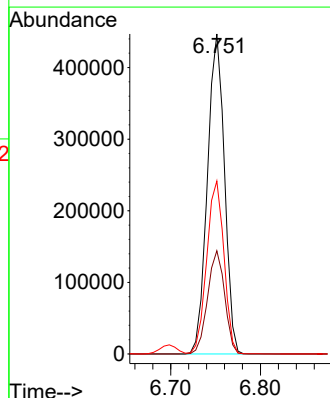
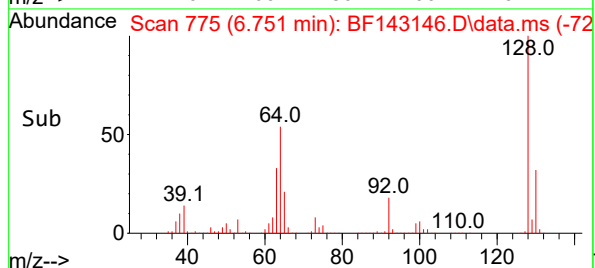
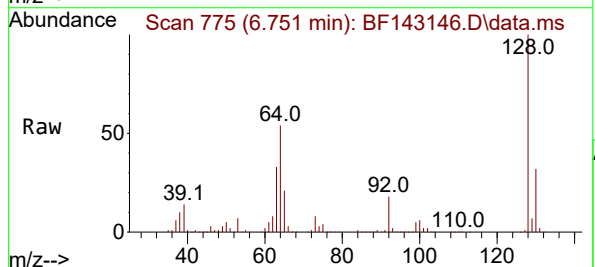
Tgt Ion:128 Resp: 589870

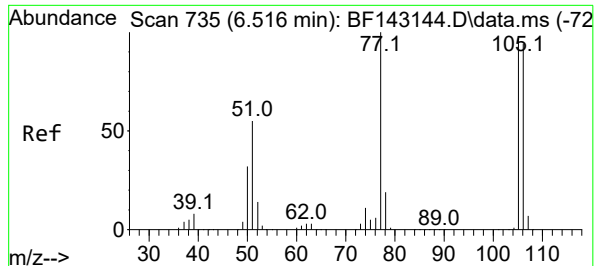
Ion Ratio Lower Upper

128 100

130 32.3 12.3 52.3

64 54.0 35.9 75.9





#9

Benzaldehyde

Concen: 56.445 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 51558

Ion Ratio Lower Upper

77 100

105 96.1 76.8 116.8

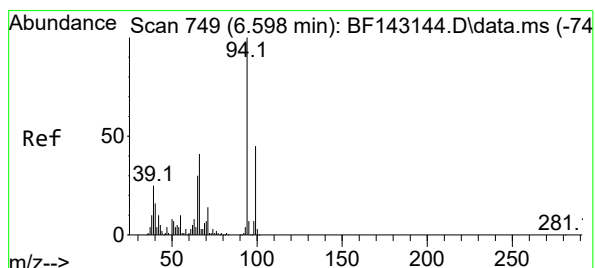
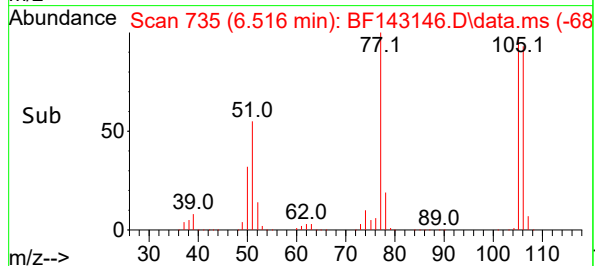
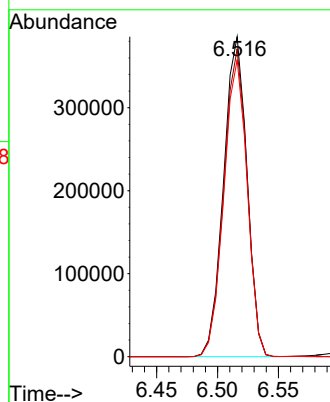
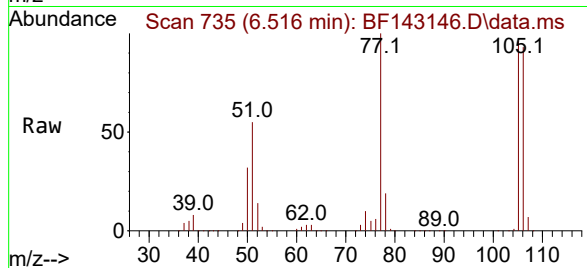
106 92.7 74.4 114.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 58.002 ng m

RT: 6.604 min Scan# 750

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

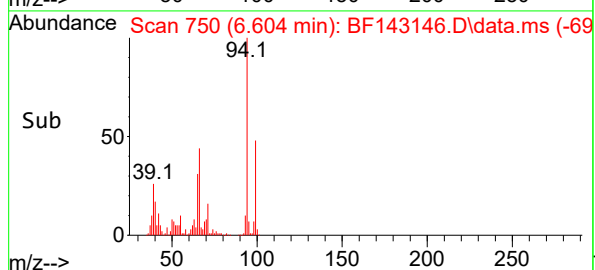
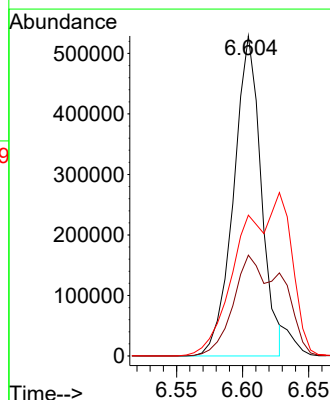
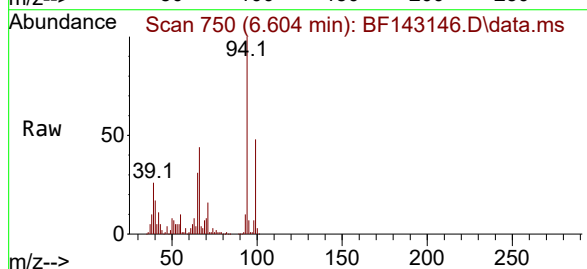
Tgt Ion: 94 Resp: 769713

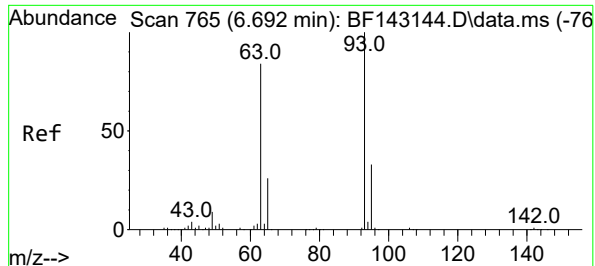
Ion Ratio Lower Upper

94 100

65 31.5 10.0 50.0

66 44.0 20.8 60.8





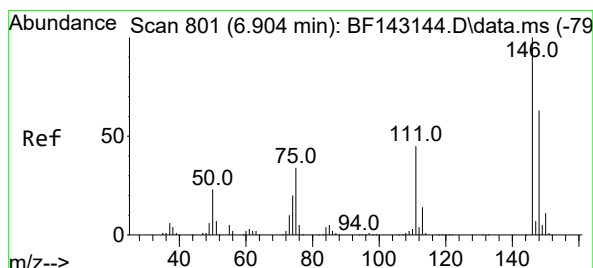
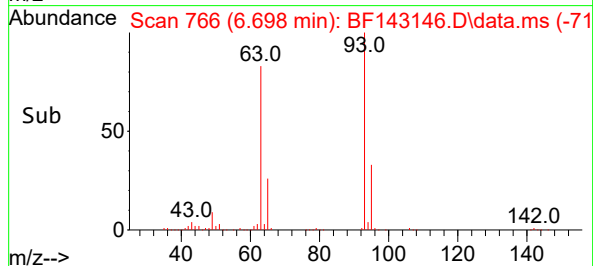
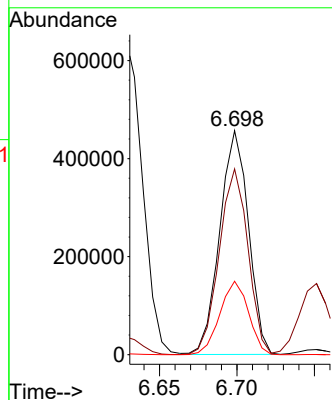
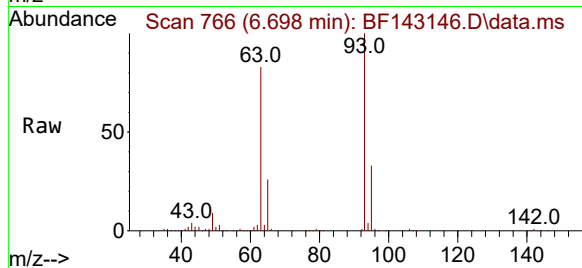
#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 58849
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.8 12.4 52.4

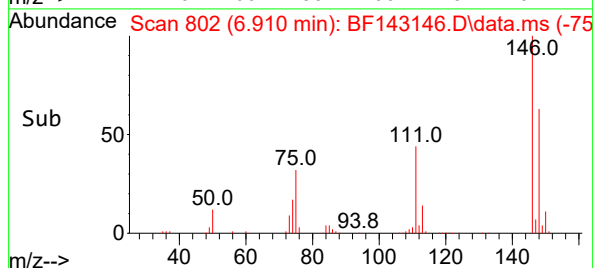
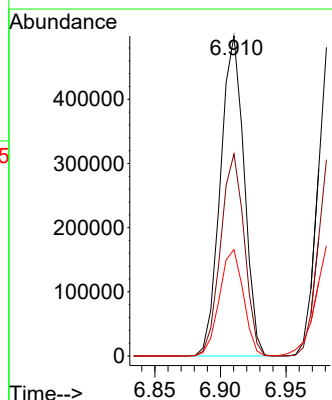
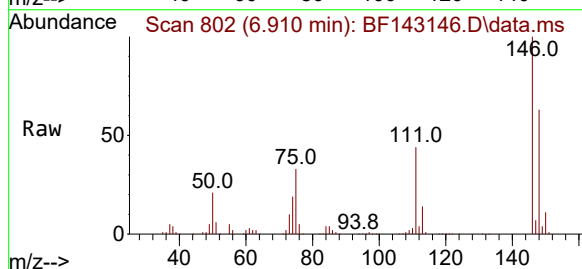
Manual Integrations
APPROVED

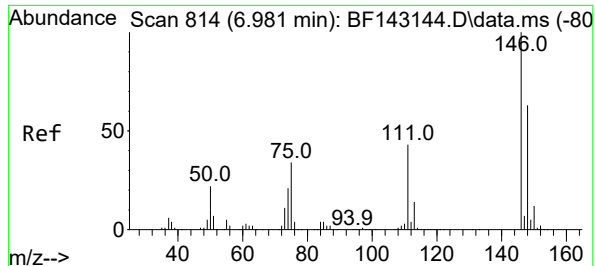
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
75 33.2 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 56.171 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 623375

Ion Ratio Lower Upper

146 100

148 63.6 50.3 75.5

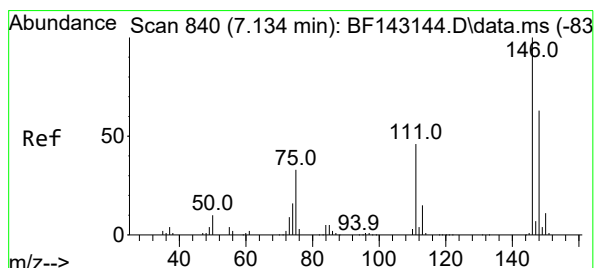
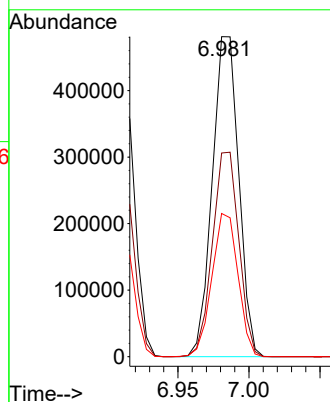
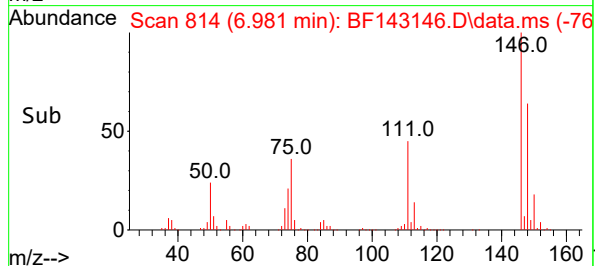
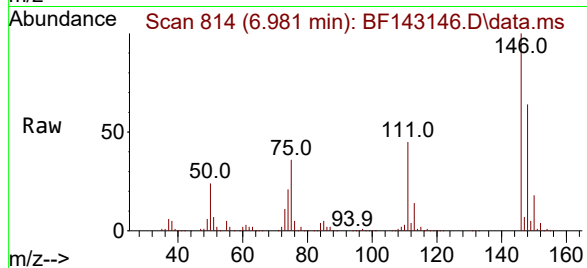
111 44.7 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 56.708 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

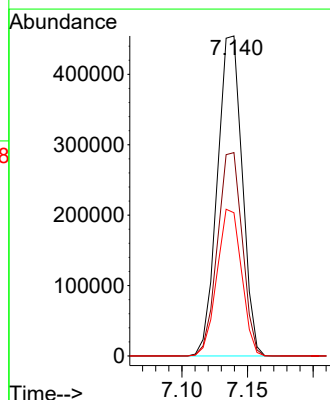
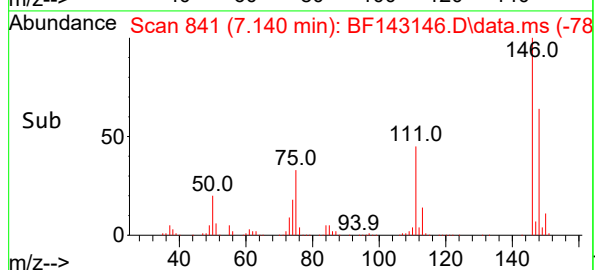
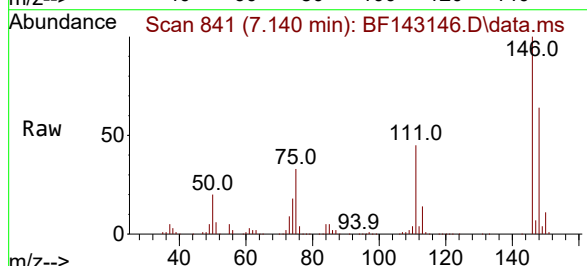
Tgt Ion:146 Resp: 598571

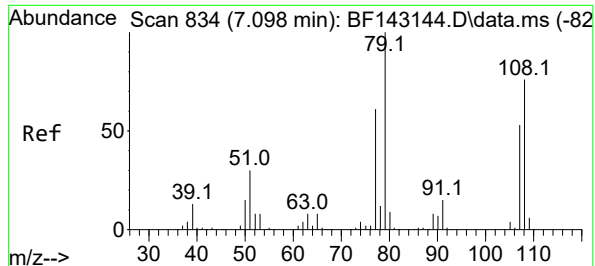
Ion Ratio Lower Upper

146 100

148 63.6 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 58.934 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 54815

Ion Ratio Lower Upper

79 100

108 74.2 61.1 91.7

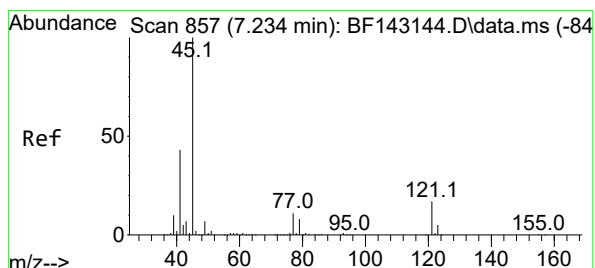
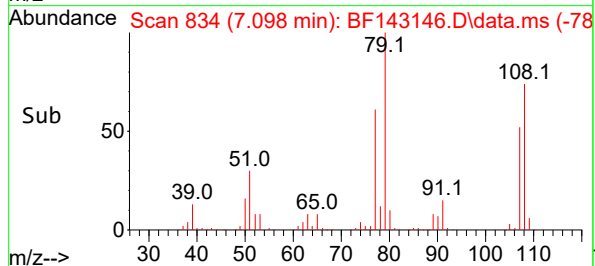
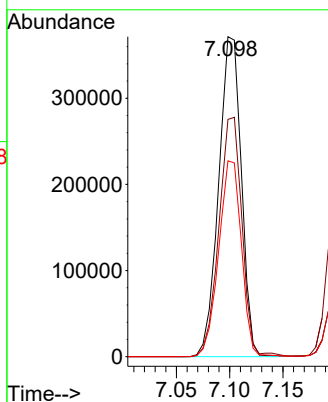
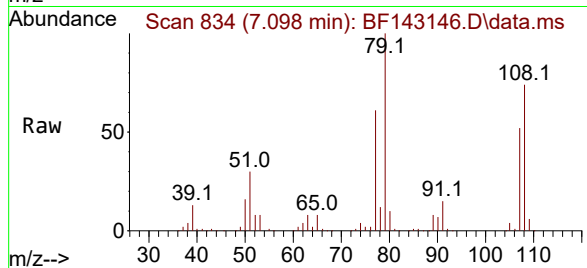
77 61.2 48.9 73.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.120 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

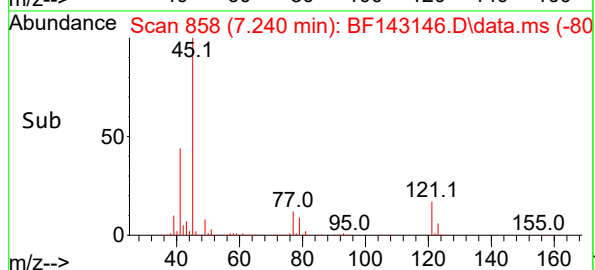
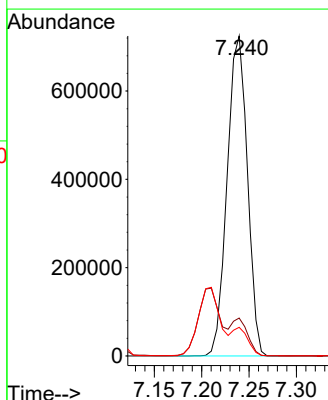
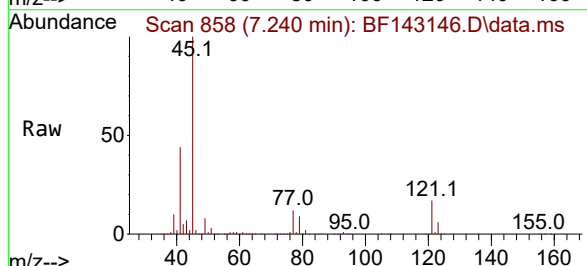
Tgt Ion: 45 Resp: 1076628

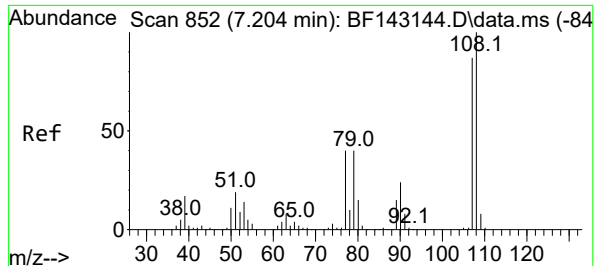
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

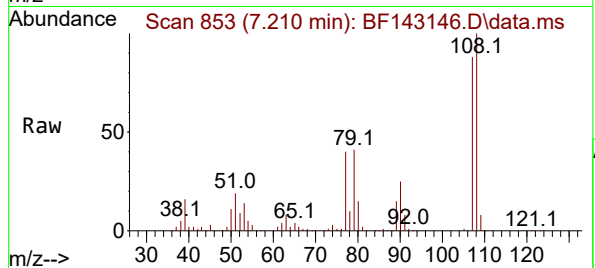
79 9.0 0.0 28.5





#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

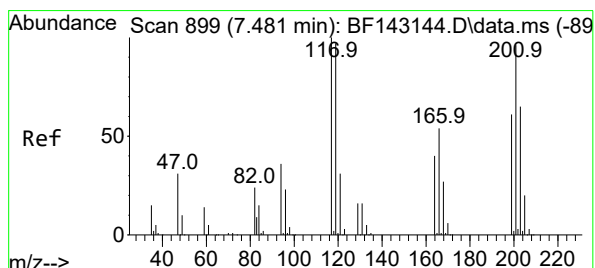
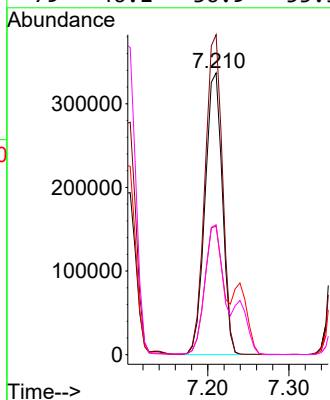
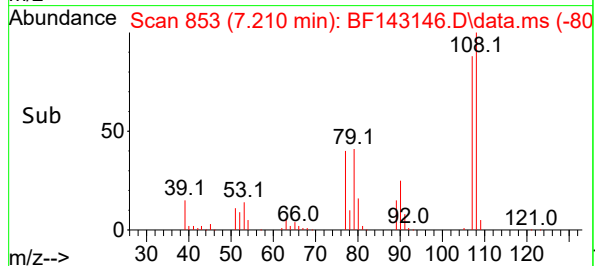
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:107 Resp: 49807
Ion Ratio Lower Upper
107 100
108 113.6 91.8 137.6
77 45.6 37.0 55.6
79 46.1 36.9 55.3

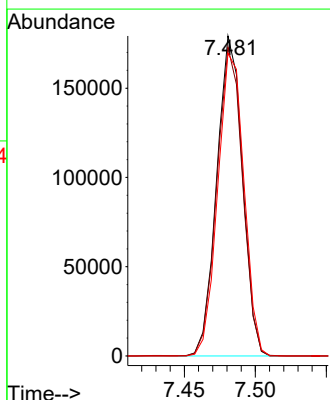
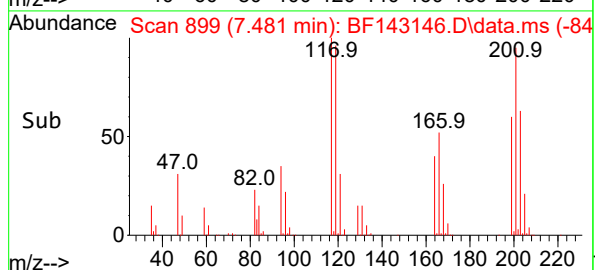
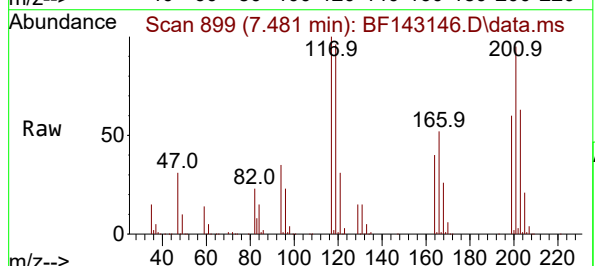
Manual Integrations
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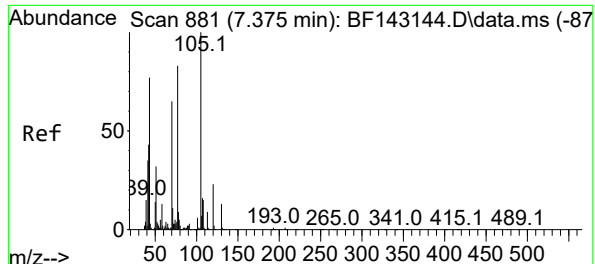
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:117 Resp: 225488
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.8
201 94.6 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 56.012 ng

RT: 7.381 min Scan# 881

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 437750

Ion Ratio Lower Upper

70 100

42 65.7 52.5 78.7

101 9.7 7.6 11.4

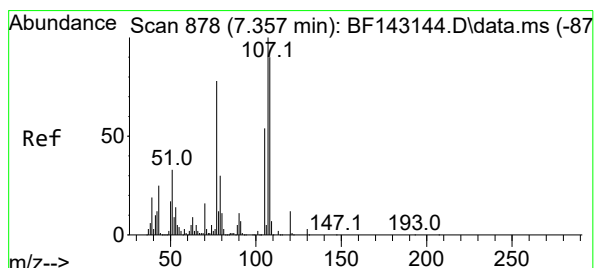
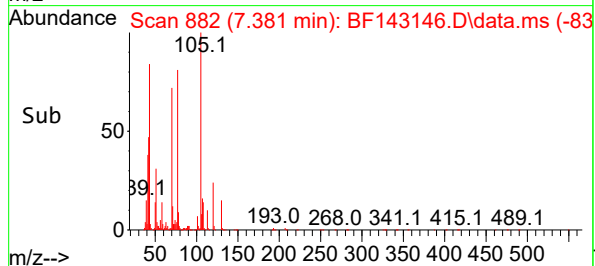
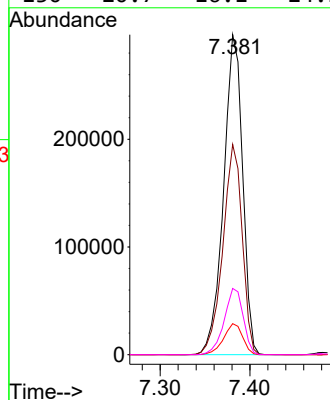
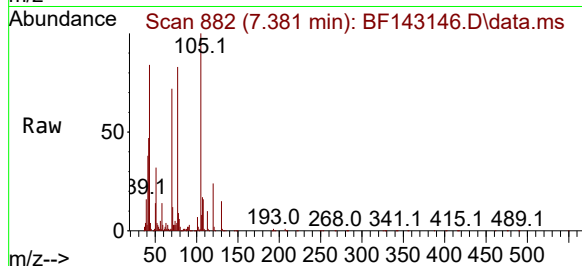
130 20.7 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 56.273 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 582354

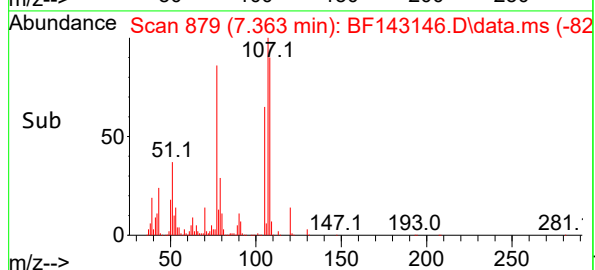
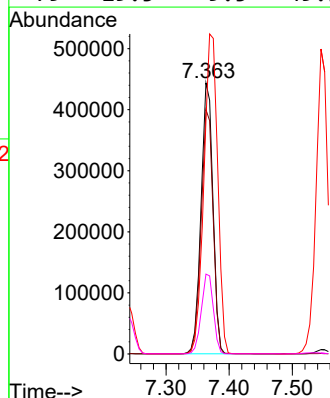
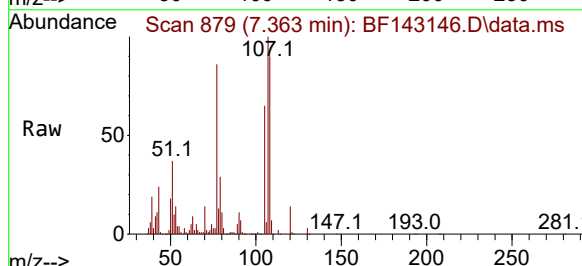
Ion Ratio Lower Upper

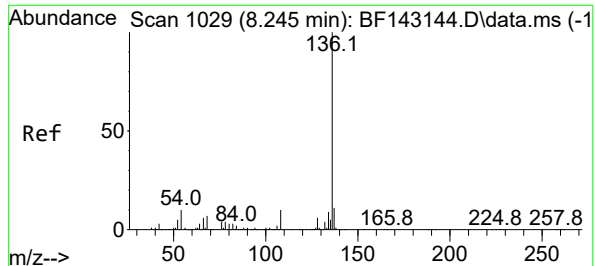
107 100

108 90.1 70.0 110.0

77 86.3 57.8 97.8

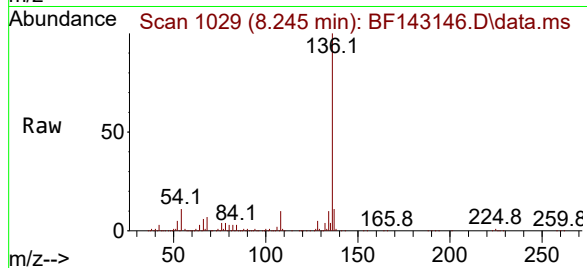
79 29.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

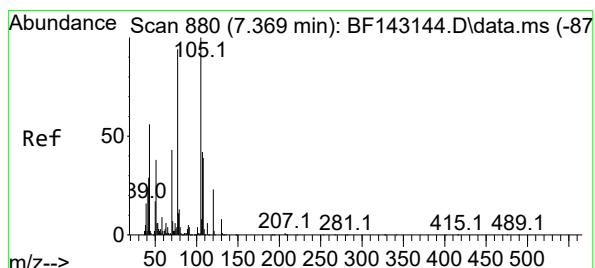
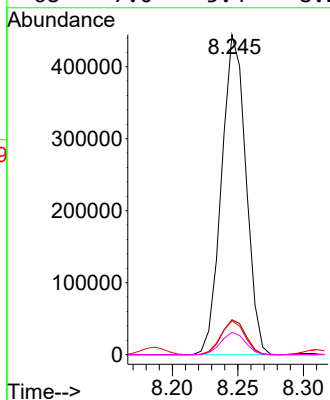
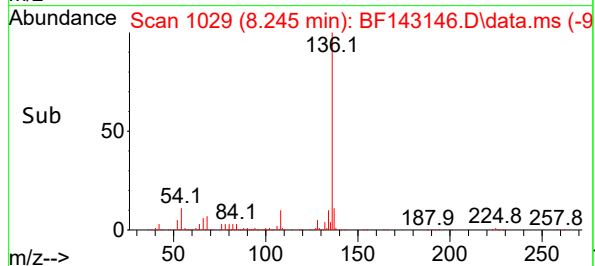
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 57354
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.6 8.2 12.2
68 7.0 5.4 8.2

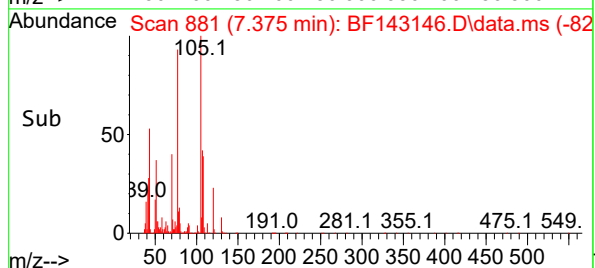
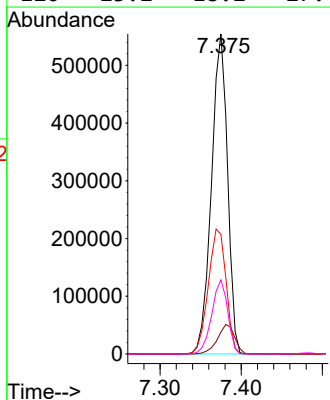
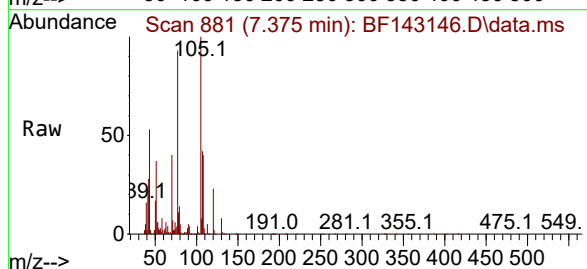
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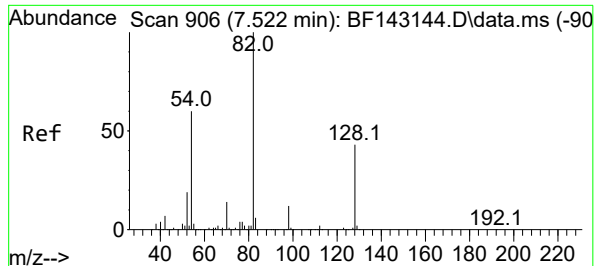
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:105 Resp: 760969
Ion Ratio Lower Upper
105 100
71 6.9 5.8 8.6
51 37.4 30.2 45.2
120 23.2 18.2 27.4





#23

Nitrobenzene-d5

Concen: 118.809 ng

RT: 7.528 min Scan# 906

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 1367018

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

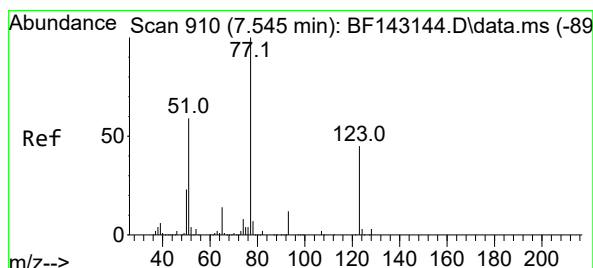
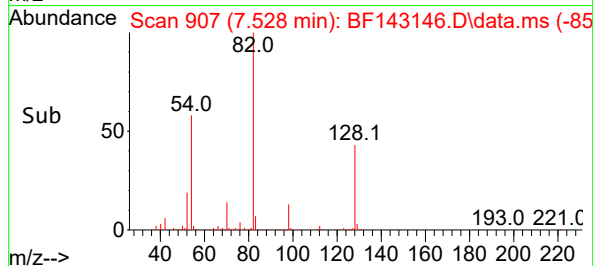
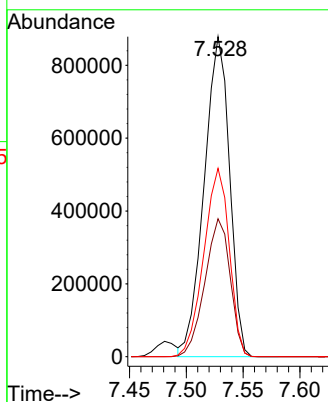
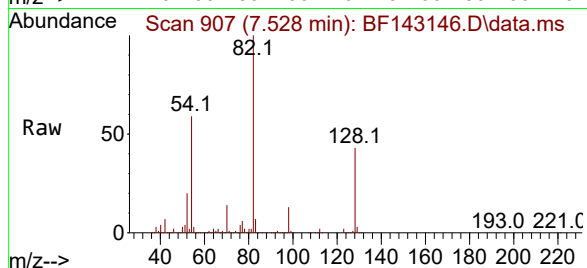
54 58.9 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 59.832 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

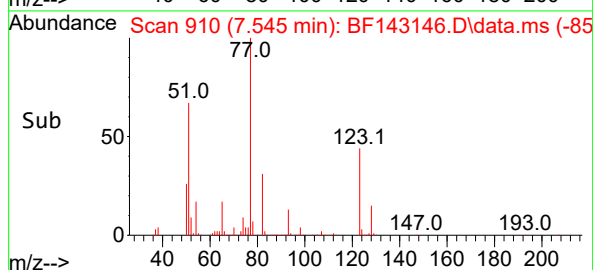
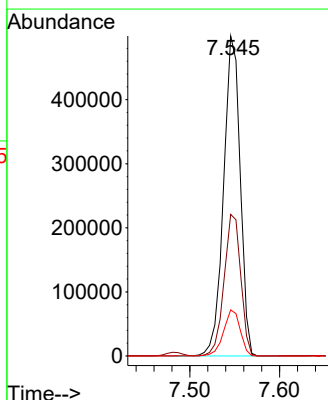
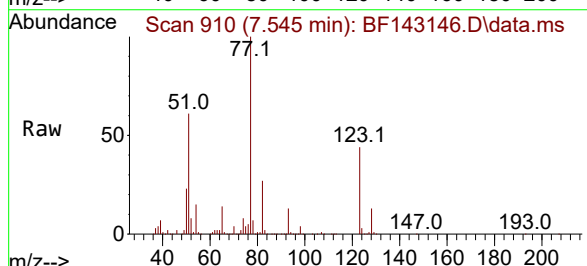
Tgt Ion: 77 Resp: 641832

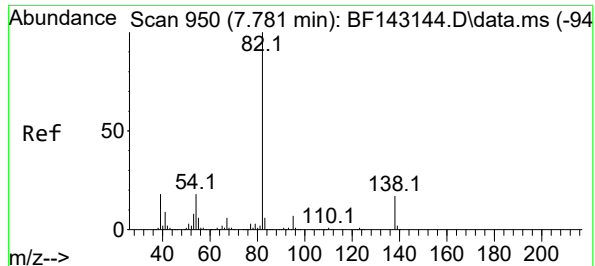
Ion Ratio Lower Upper

77 100

123 44.3 36.1 54.1

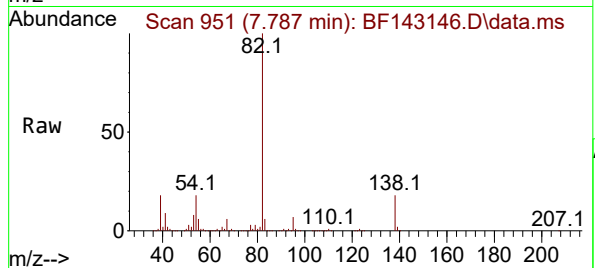
65 14.4 11.4 17.2





#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 951
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

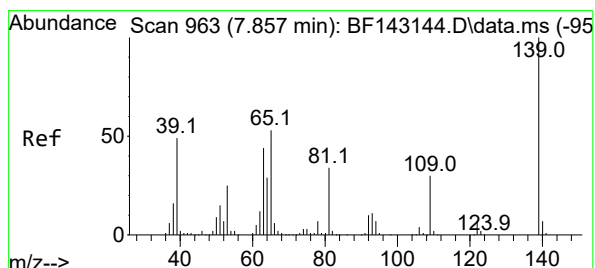
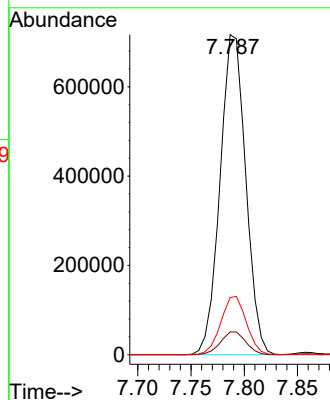
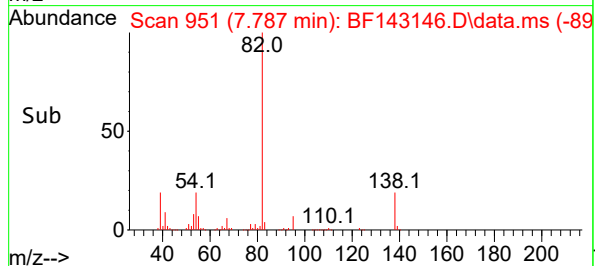
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 1202500
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.9 13.8 20.8

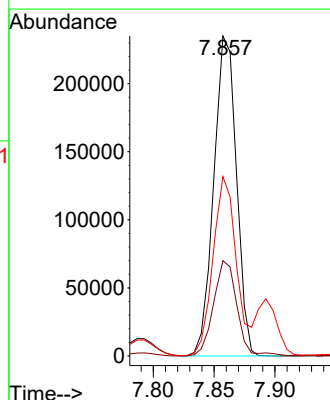
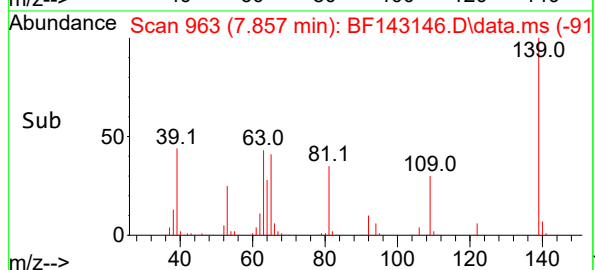
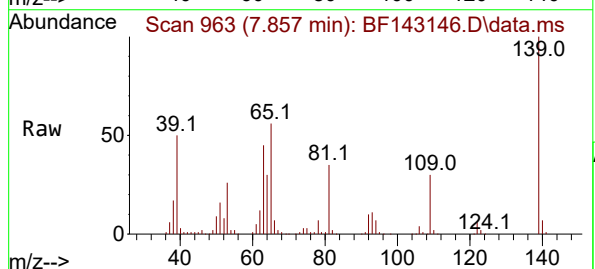
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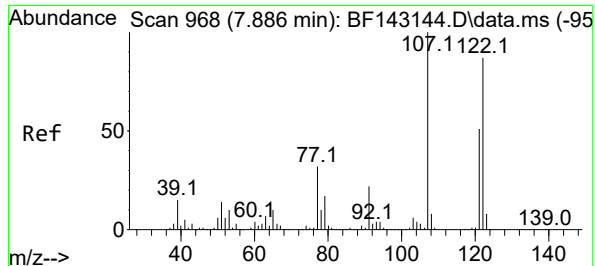
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 56.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 57.833 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 54882

Ion Ratio Lower Upper

122 100

107 116.0 91.8 137.6

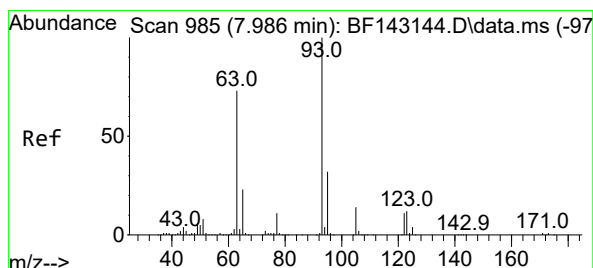
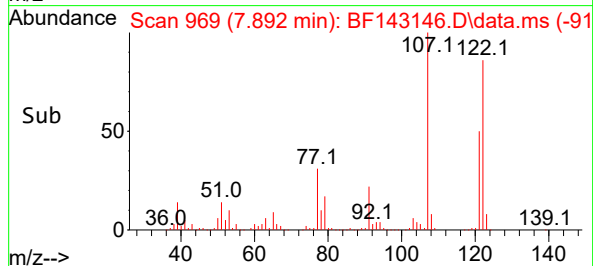
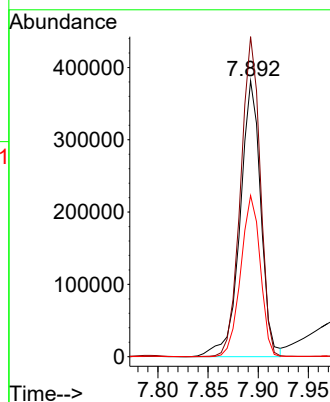
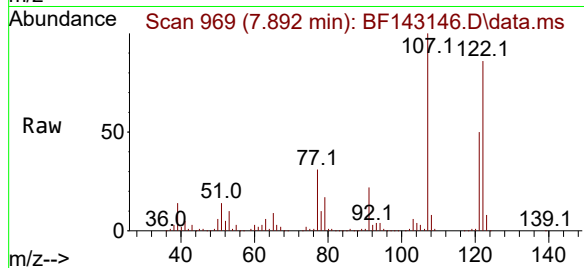
121 58.4 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.184 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

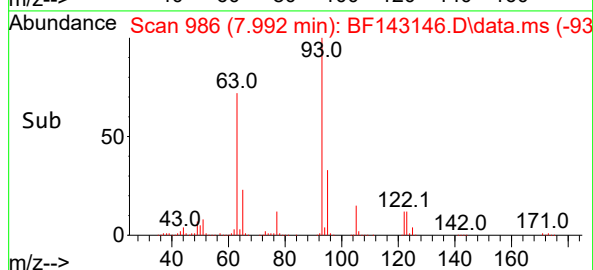
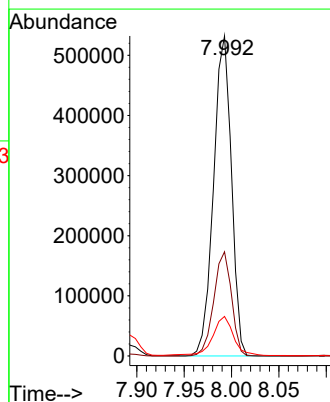
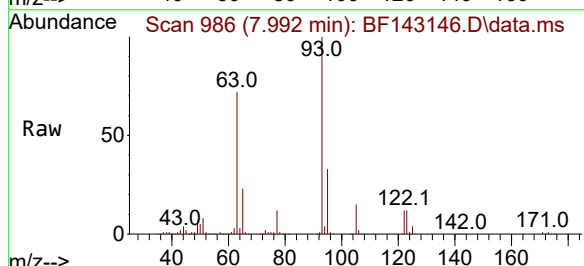
Tgt Ion: 93 Resp: 696403

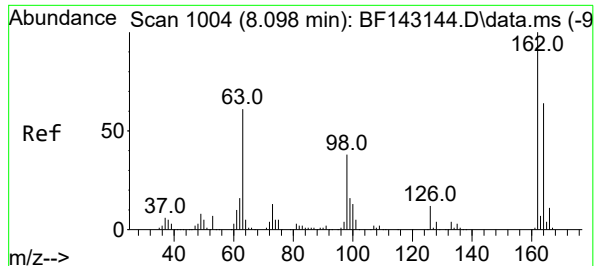
Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 58.329 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143146.D

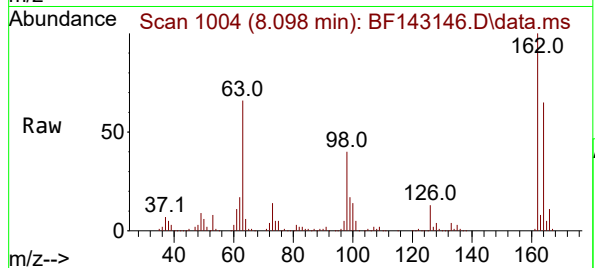
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:162 Resp: 466809

Ion Ratio Lower Upper

162 100

164 64.9 44.2 84.2

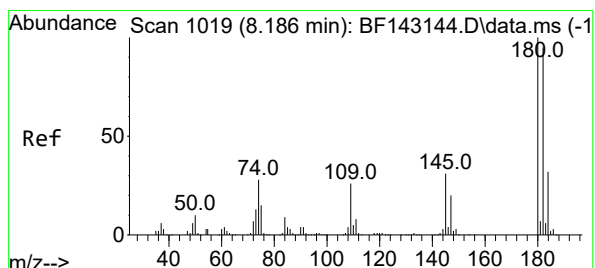
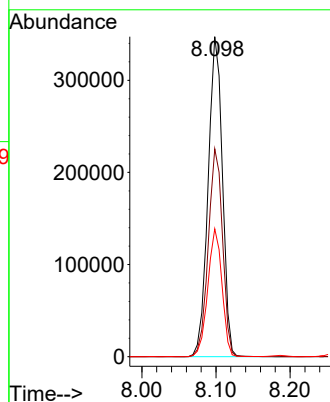
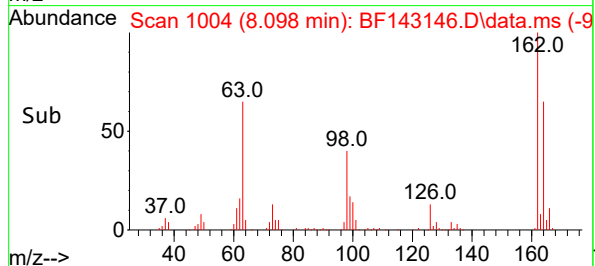
98 39.9 17.9 57.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

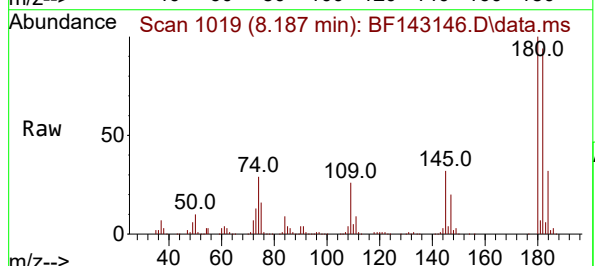
Concen: 57.653 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



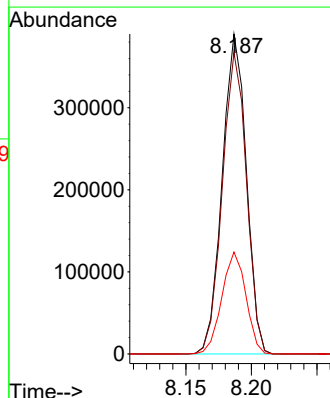
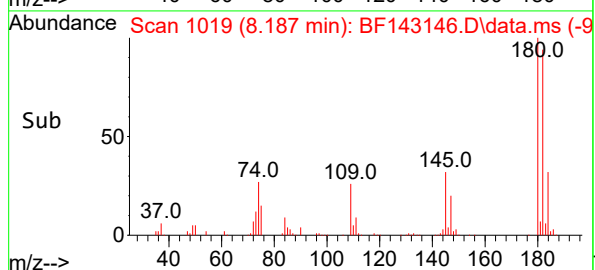
Tgt Ion:180 Resp: 498478

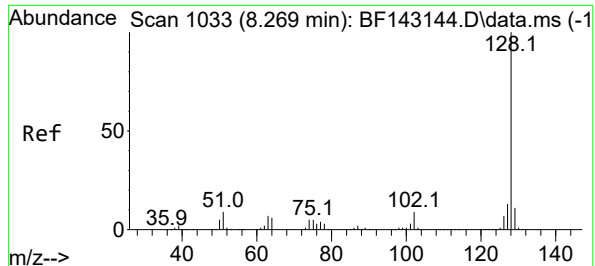
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

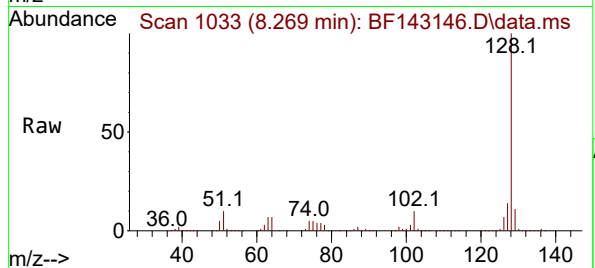
145 31.8 25.0 37.6





#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

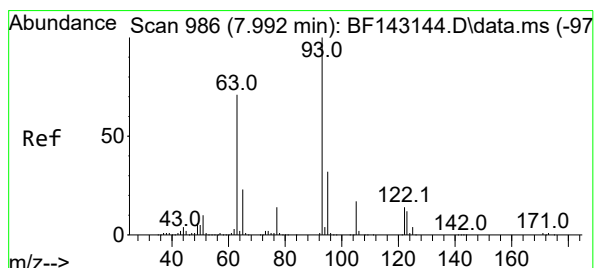
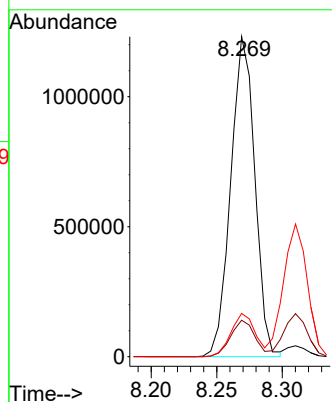
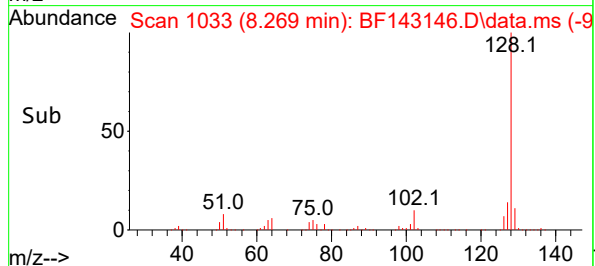
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1575690
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.5 10.6 16.0

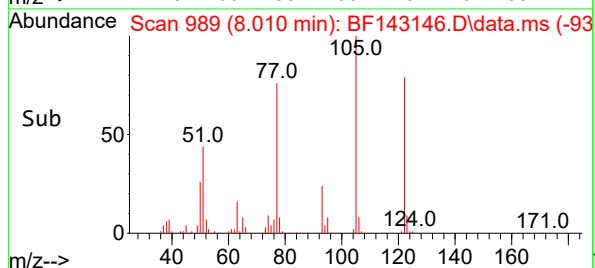
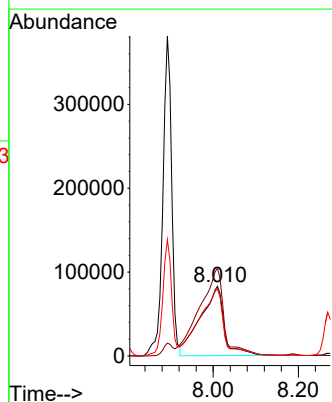
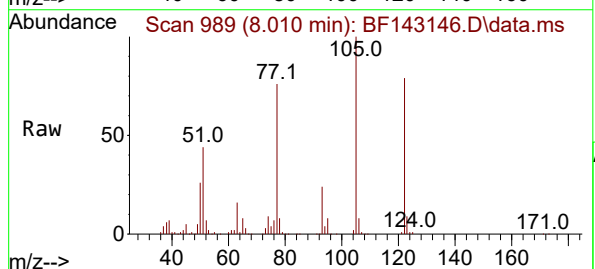
Manual Integrations
APPROVED

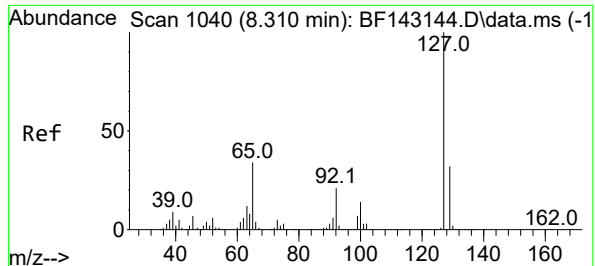
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

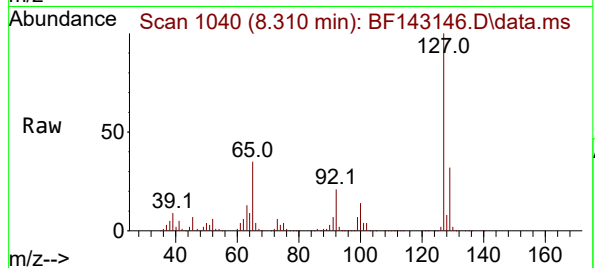
Tgt Ion:122 Resp: 321703
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 96.5 77.6 117.6





#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

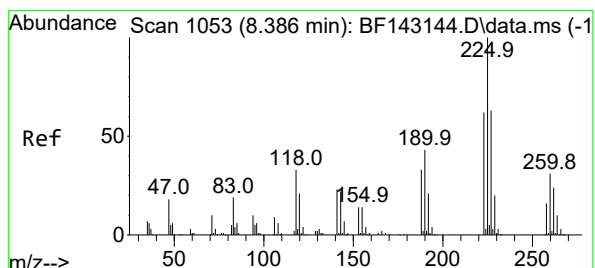
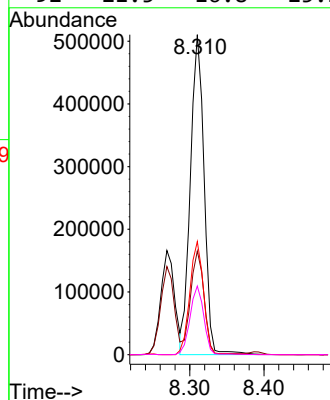
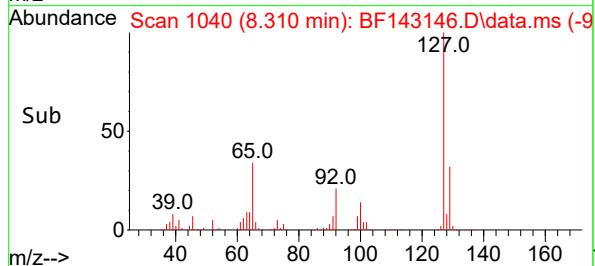
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:127 Resp: 65946
Ion Ratio Lower Upper
127 100
129 32.4 26.0 39.0
65 35.3 27.4 41.2
92 21.5 16.8 25.2

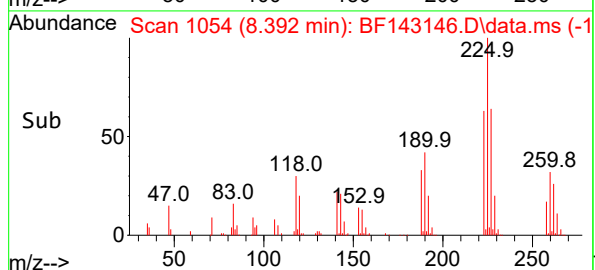
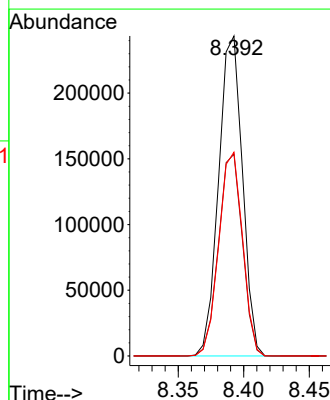
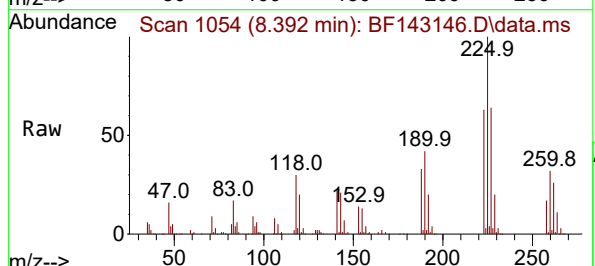
Manual Integrations
APPROVED

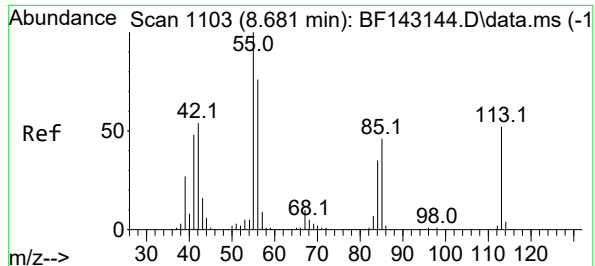
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

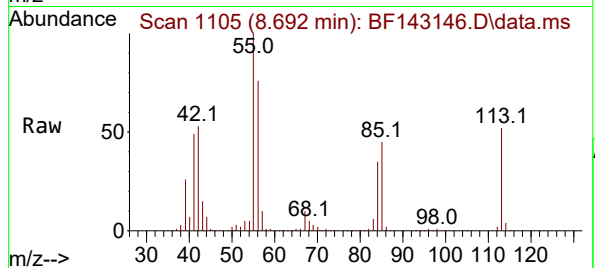
Tgt Ion:225 Resp: 307552
Ion Ratio Lower Upper
225 100
223 63.0 49.8 74.6
227 63.7 50.2 75.4





#35
 Caprolactam
 Concen: 60.327 ng
 RT: 8.692 min Scan# 1105
 Delta R.T. 0.012 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04

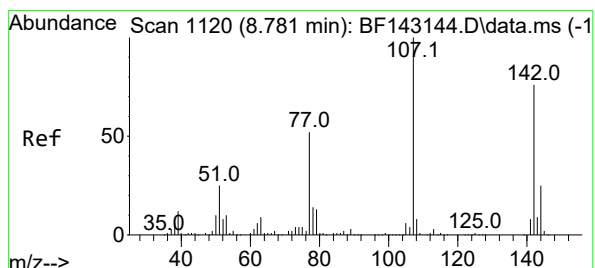
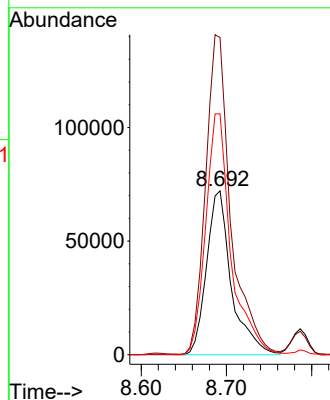
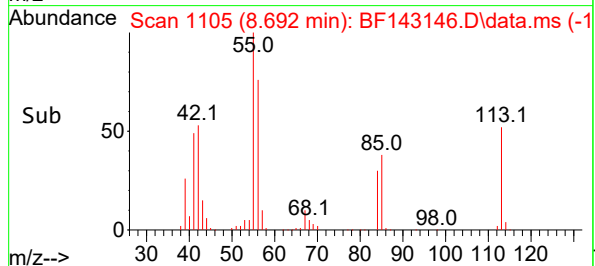
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060



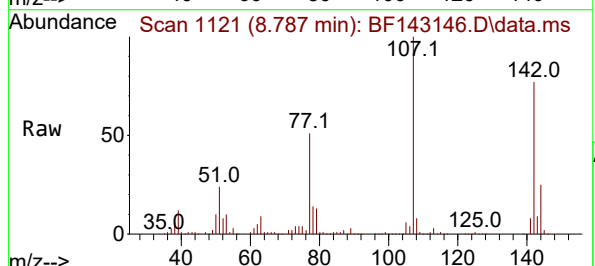
Tgt Ion:113 Resp: 145894
 Ion Ratio Lower Upper
 113 100
 55 193.5 174.0 214.0
 56 146.9 126.6 166.6

Manual Integrations
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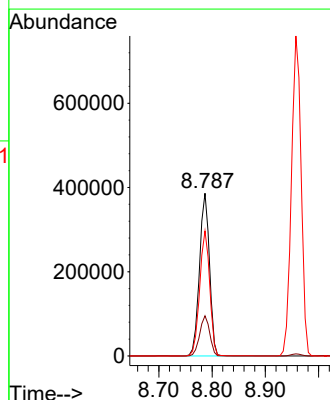
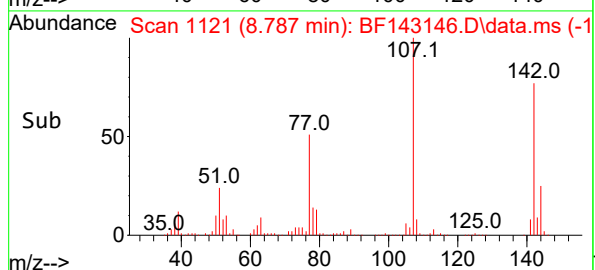
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

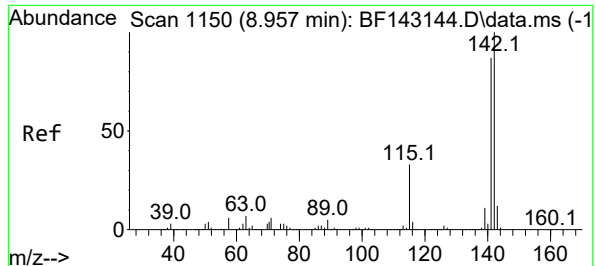


#36
 4-Chloro-3-methylphenol
 Concen: 58.186 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143146.D
 Acq: 17 Jul 2025 14:04



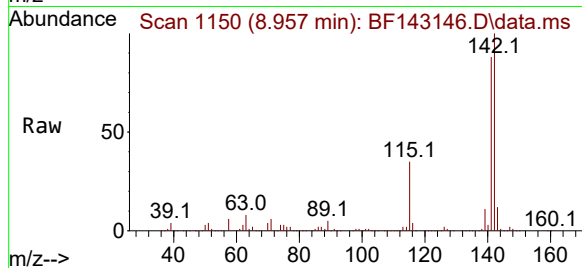
Tgt Ion:107 Resp: 506142
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

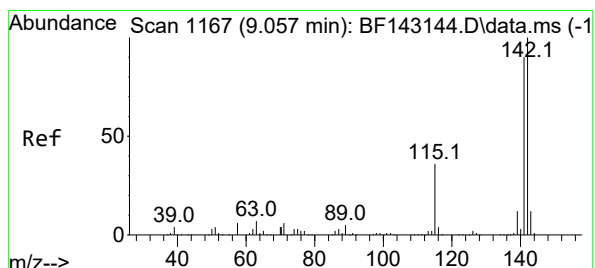
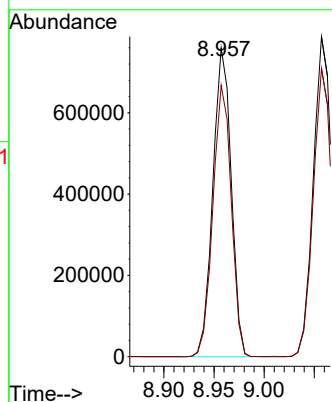
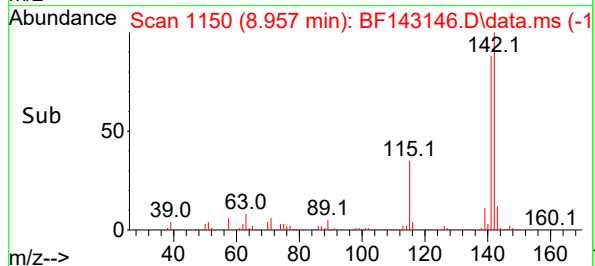
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 96603
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9

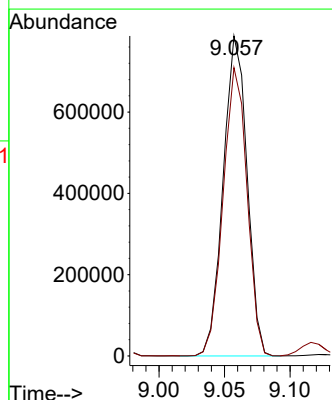
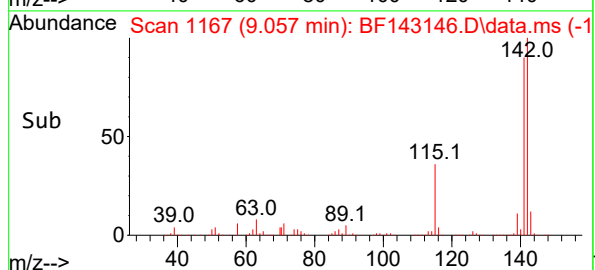
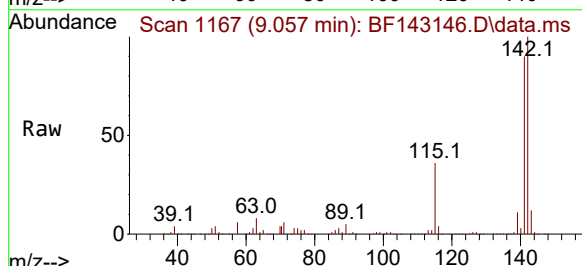
Manual Integrations
APPROVED

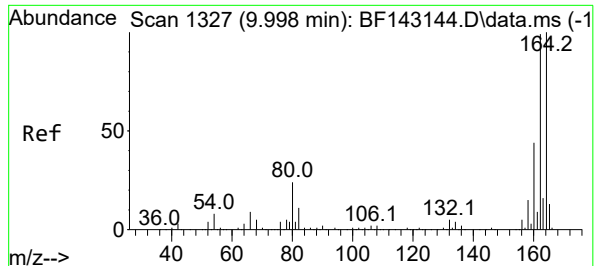
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009
Ion Ratio Lower Upper
142 100
141 90.1 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143146.D

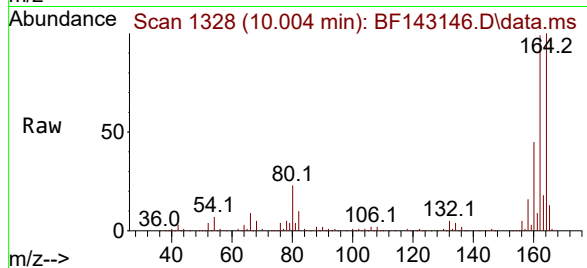
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 286544

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

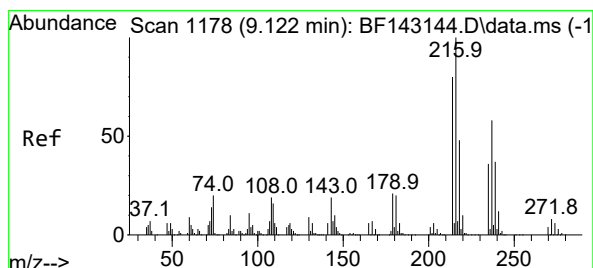
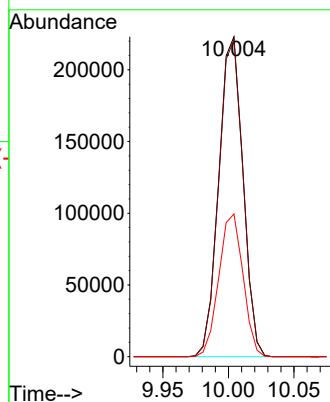
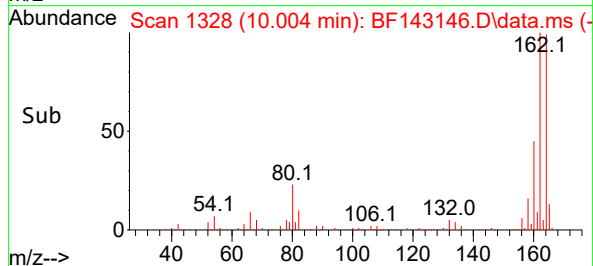
160 44.6 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

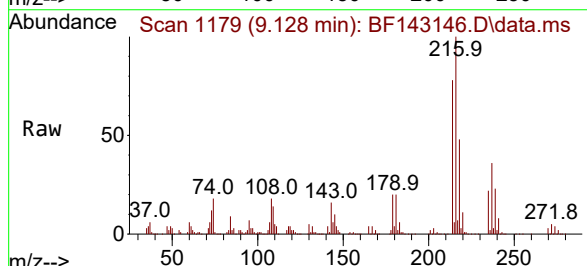
Concen: 57.955 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



Tgt Ion:216 Resp: 479450

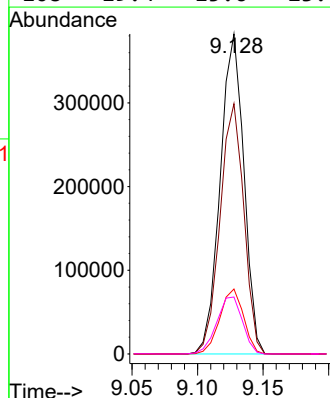
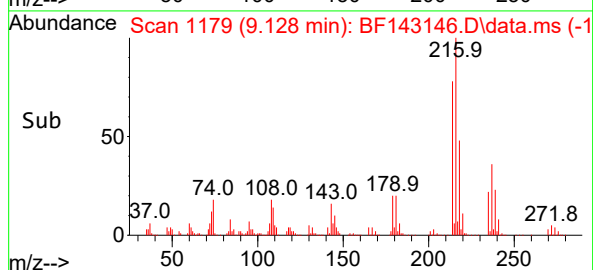
Ion Ratio Lower Upper

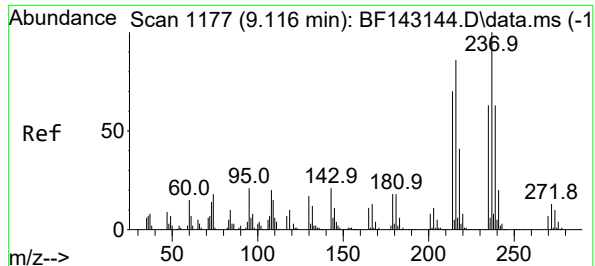
216 100

214 78.4 63.8 95.8

179 20.4 16.4 24.6

108 19.4 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 62.761 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:237 Resp: 33783

Ion Ratio Lower Upper

237 100

235 63.4 43.0 83.0

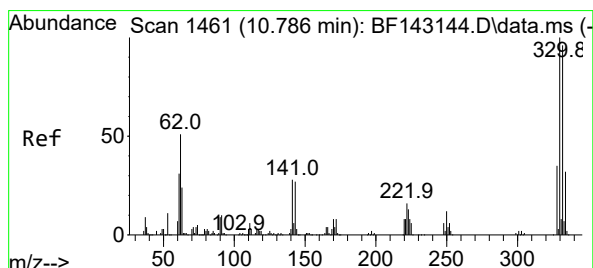
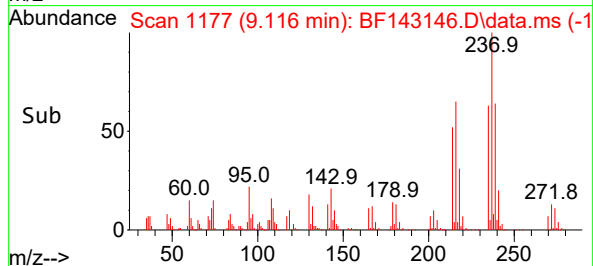
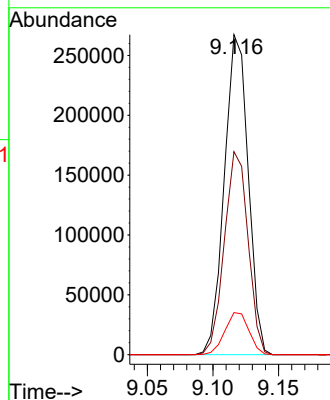
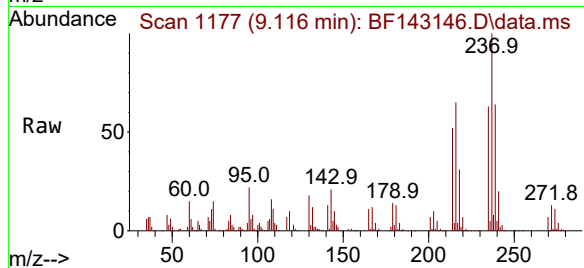
272 13.2 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 119.817 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

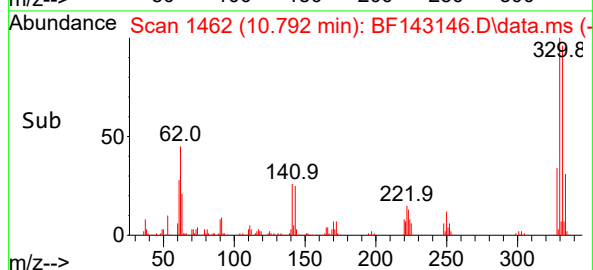
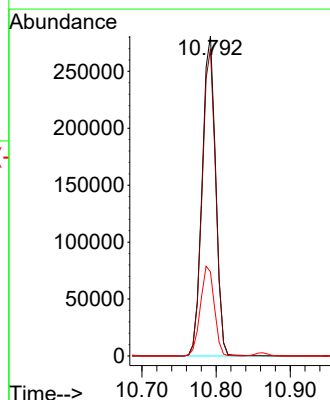
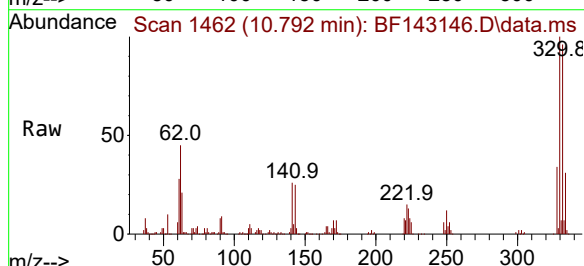
Tgt Ion:330 Resp: 354678

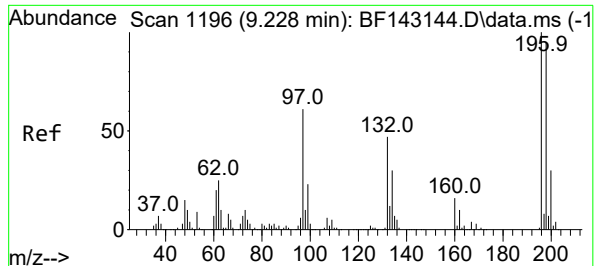
Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

141 28.9 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 60.246 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143146.D

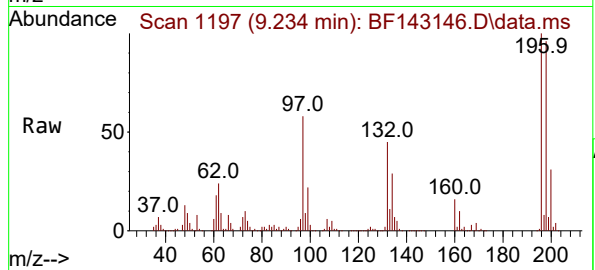
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 34494

Ion Ratio Lower Upper

196 100

198 95.8 76.2 114.2

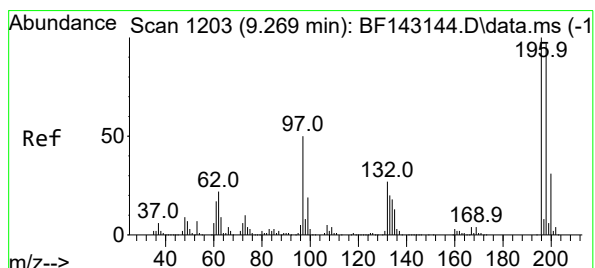
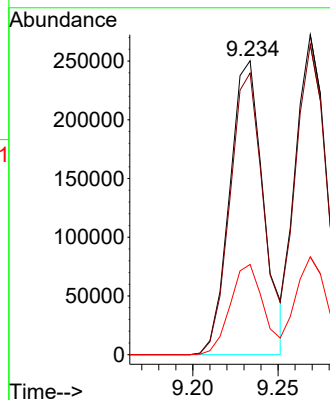
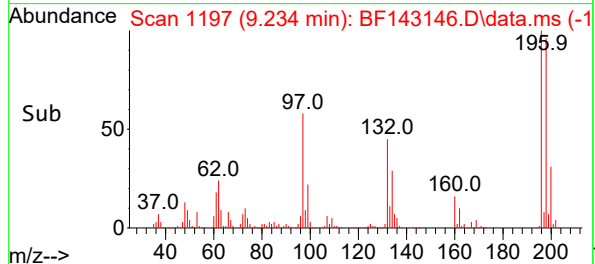
200 30.7 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

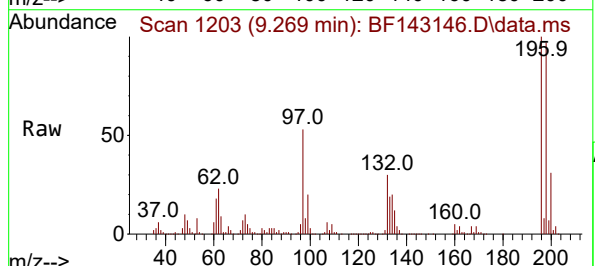
Concen: 59.305 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



Tgt Ion:196 Resp: 339656

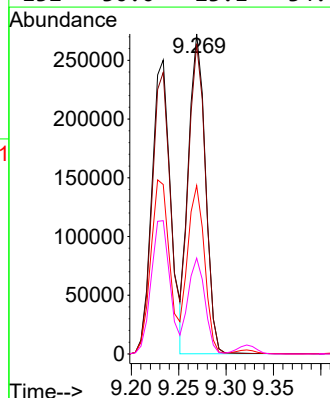
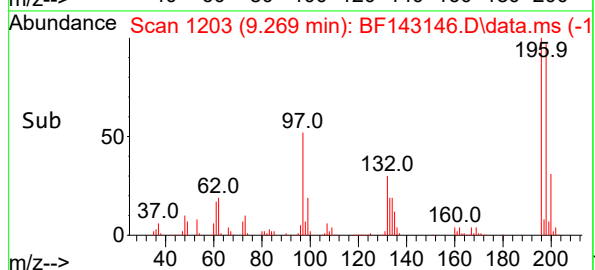
Ion Ratio Lower Upper

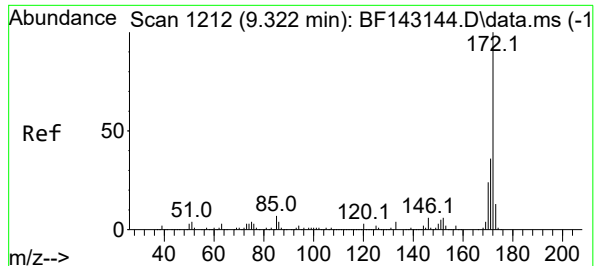
196 100

198 96.9 77.3 115.9

97 52.6 40.3 60.5

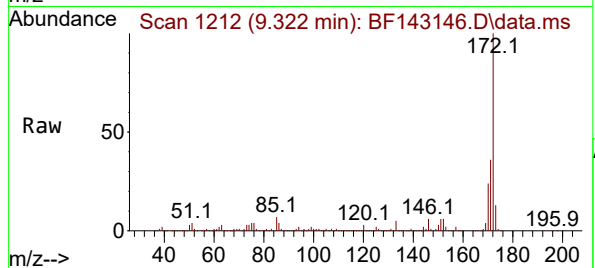
132 30.0 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 108.558 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

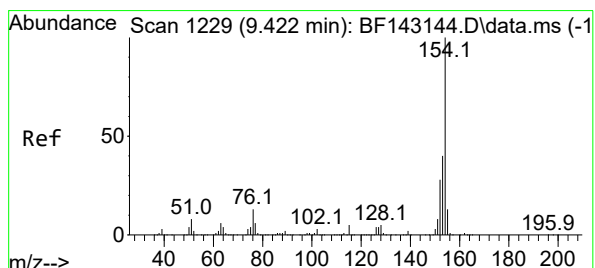
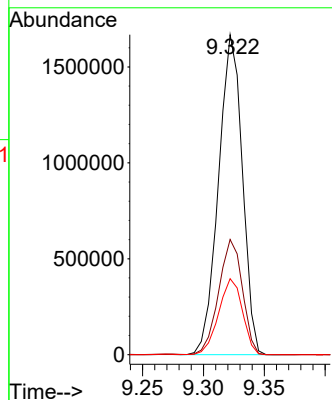
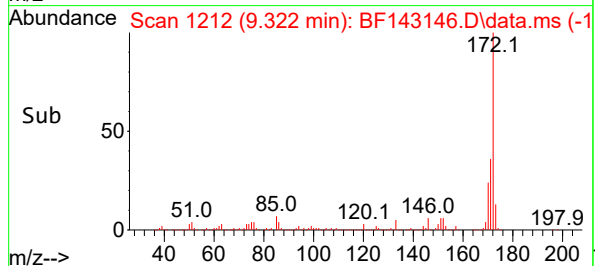
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 2274500
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.7 18.8 28.2

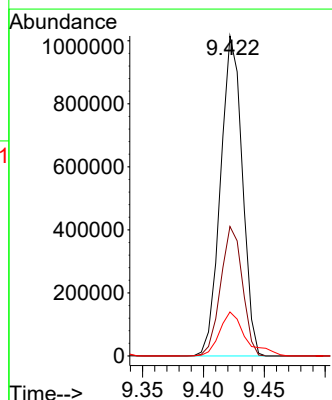
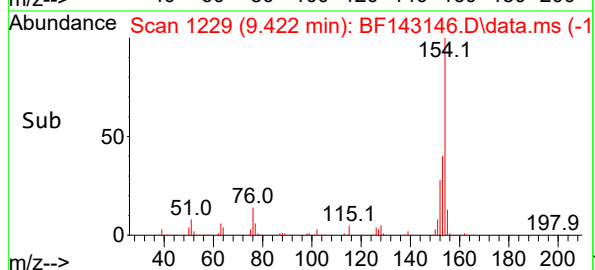
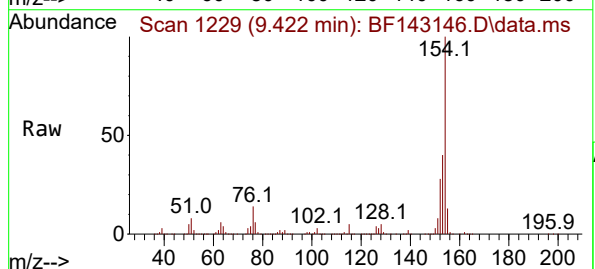
Manual Integrations
APPROVED

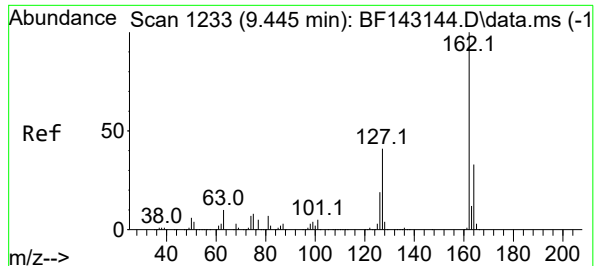
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 1265588
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 57.364 ng

RT: 9.451 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 948912

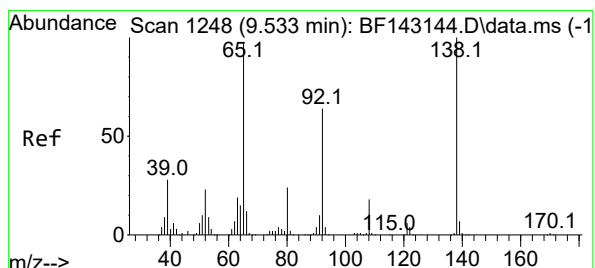
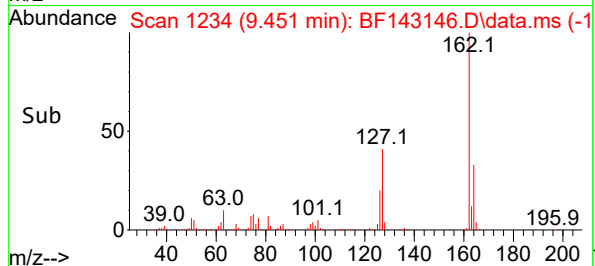
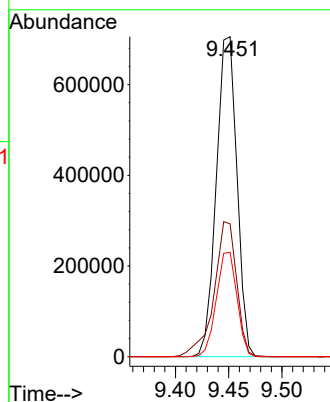
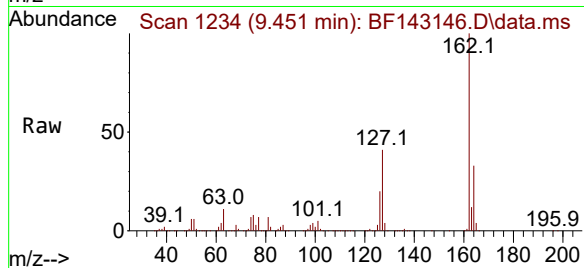
Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.6	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 63.904 ng

RT: 9.534 min Scan# 1248

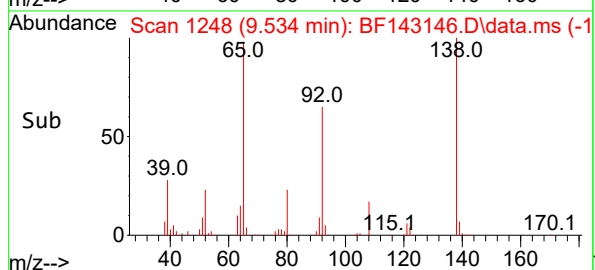
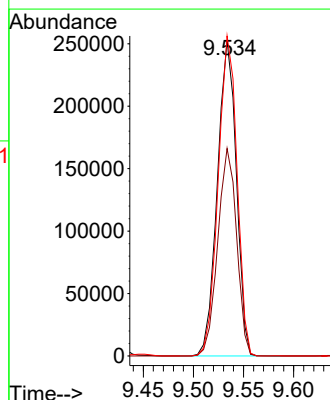
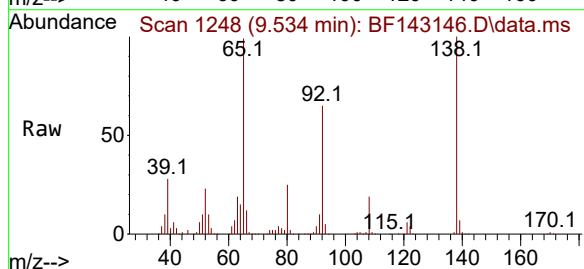
Delta R.T. 0.000 min

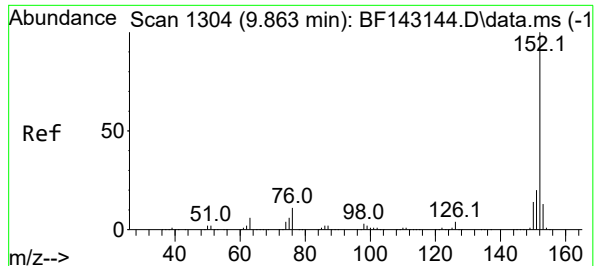
Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Tgt Ion: 65 Resp: 331501

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.4	78.6
138	101.5	82.3	123.5





#49

Acenaphthylene

Concen: 56.860 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143146.D

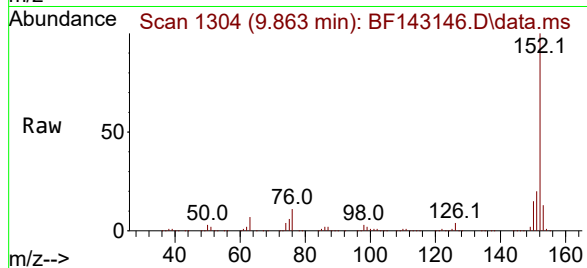
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 1576240

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

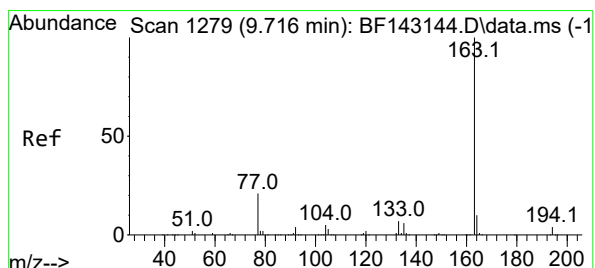
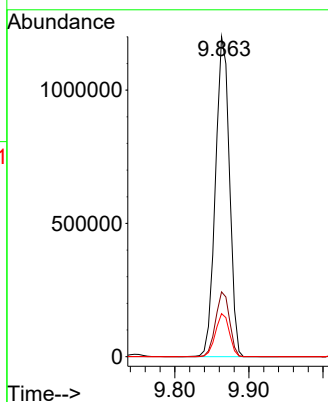
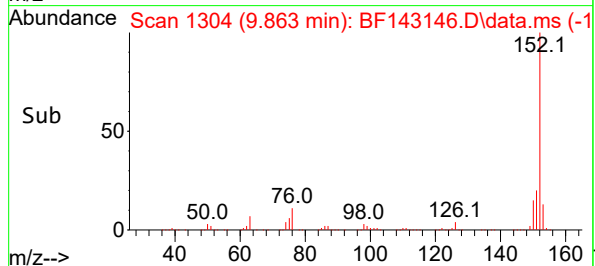
153 13.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

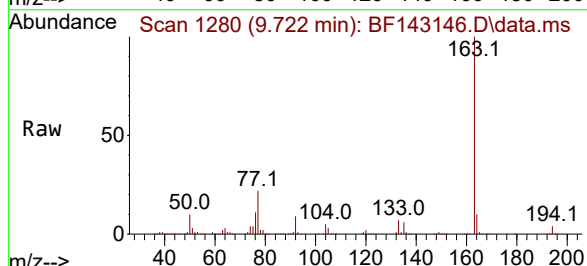
Concen: 57.558 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04



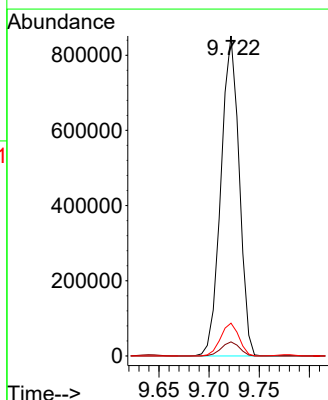
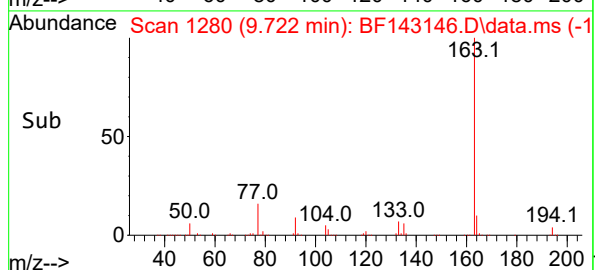
Tgt Ion:163 Resp: 1075052

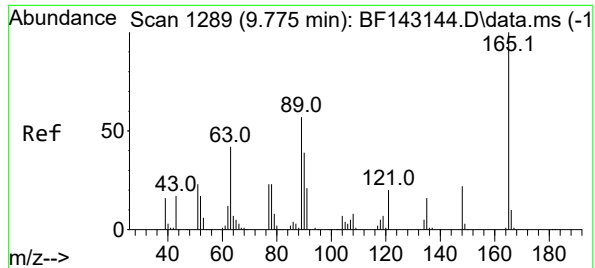
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

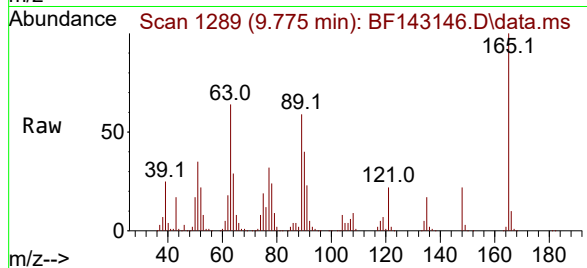
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

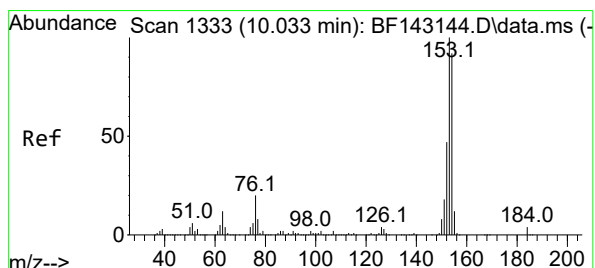
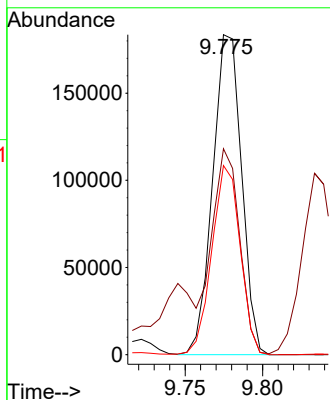
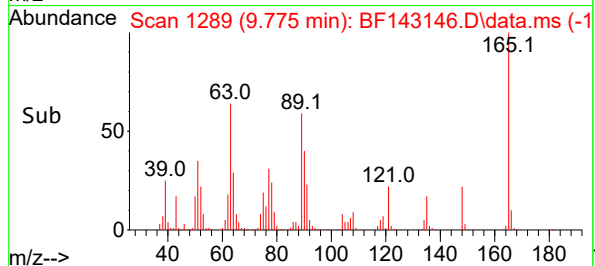
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 23810
Ion Ratio Lower Upper
165 100
63 64.4 49.4 74.2
89 59.1 46.2 69.2

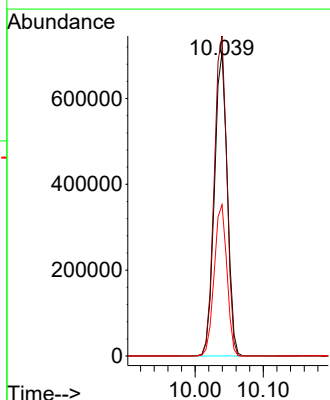
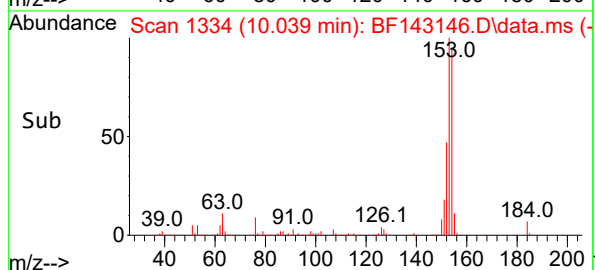
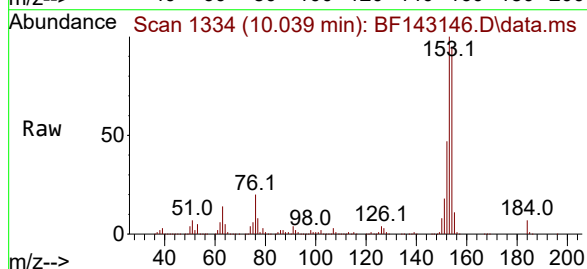
Manual Integrations
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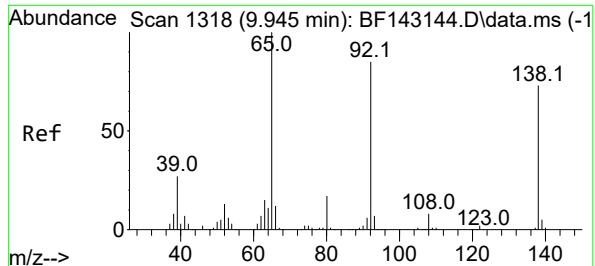
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

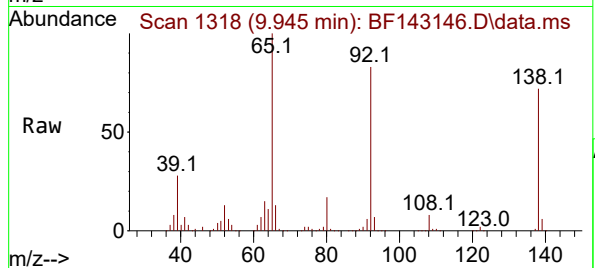
Tgt Ion:154 Resp: 930883
Ion Ratio Lower Upper
154 100
153 105.6 86.6 129.8
152 49.9 40.4 60.6





#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

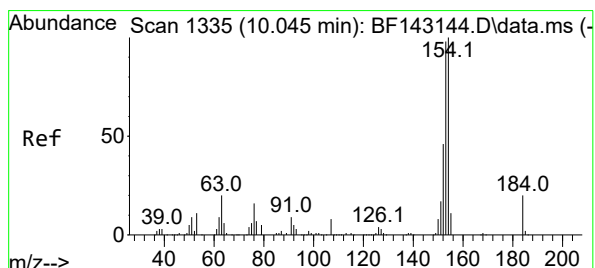
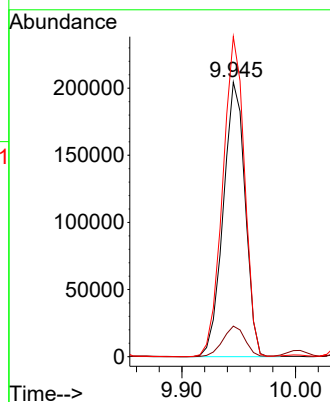
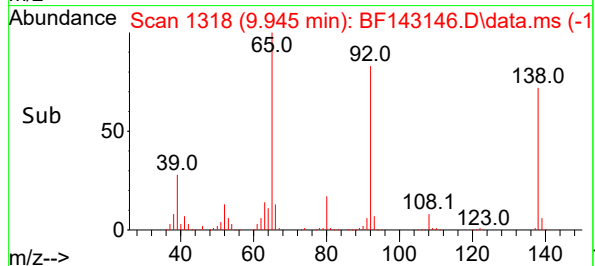
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 273500
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 116.5 93.0 139.4

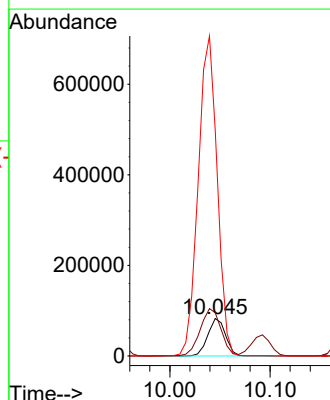
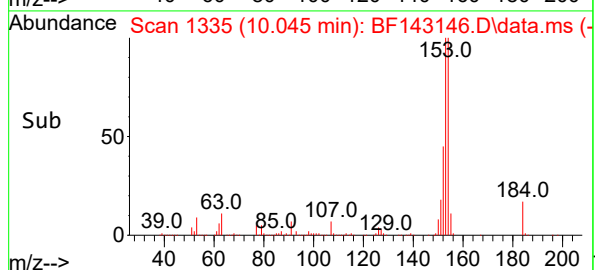
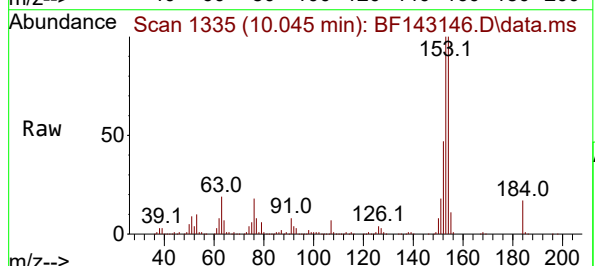
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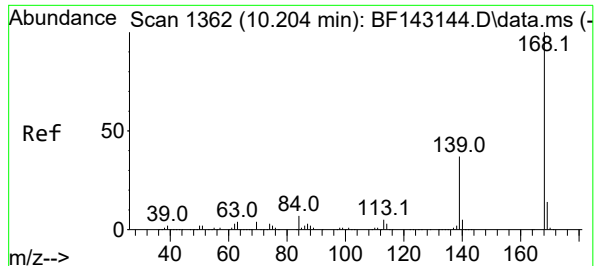
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491
Ion Ratio Lower Upper
184 100
63 115.6 81.8 122.6
154 603.3 412.2 618.4





#55

Dibenzenofuran

Concen: 56.093 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 136453

Ion Ratio Lower Upper

168 100

139 36.7 29.5 44.3

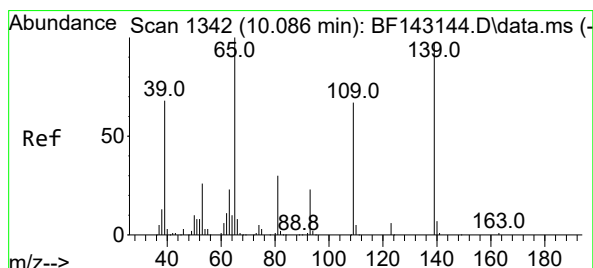
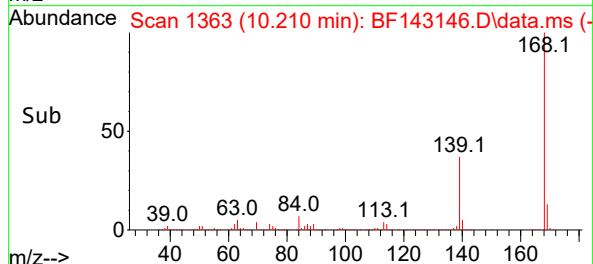
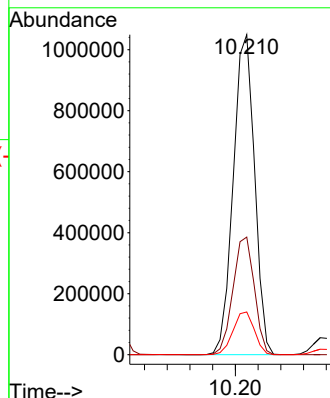
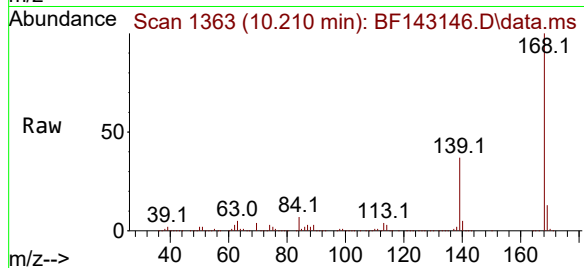
169 13.4 10.9 16.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#56

4-Nitrophenol

Concen: 61.312 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

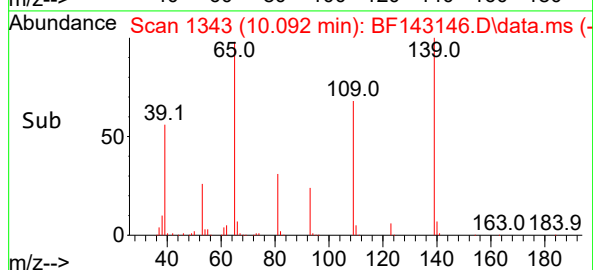
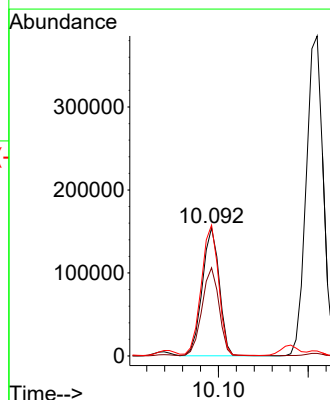
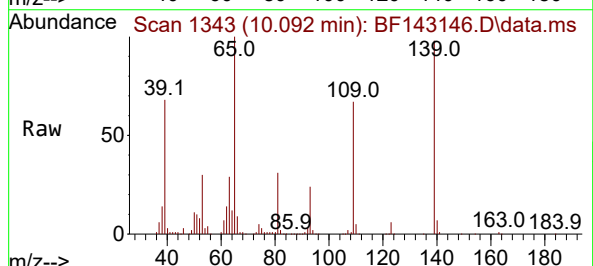
Tgt Ion:139 Resp: 203477

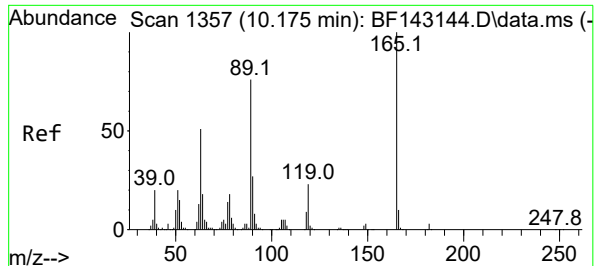
Ion Ratio Lower Upper

139 100

109 68.7 48.5 88.5

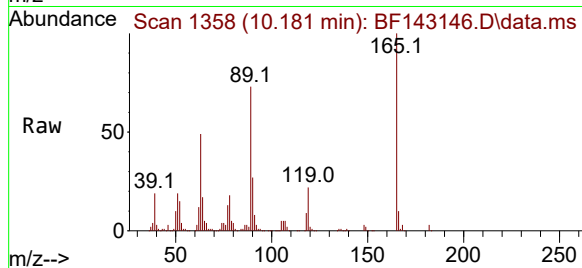
65 102.2 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

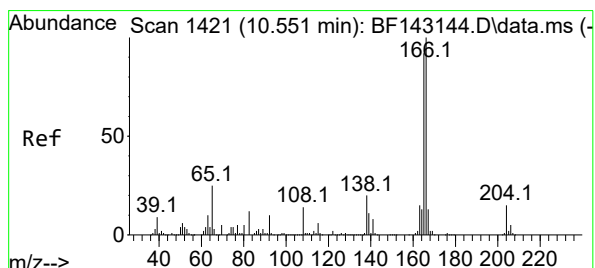
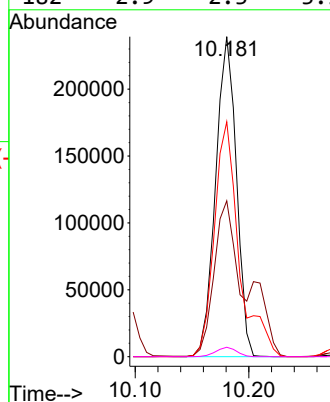
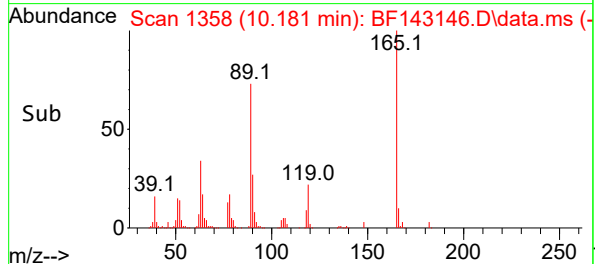
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 304460
Ion Ratio Lower Upper
165 100
63 48.7 41.0 61.4
89 73.4 61.1 91.7
182 2.9 2.3 3.5

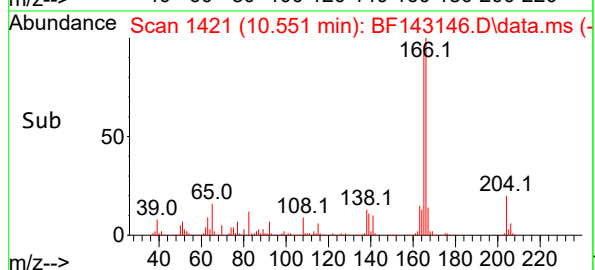
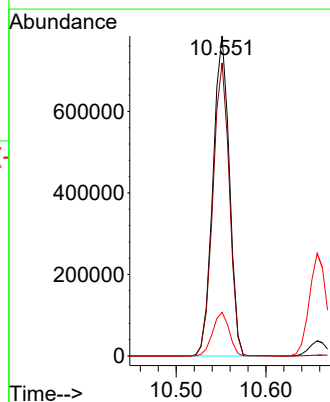
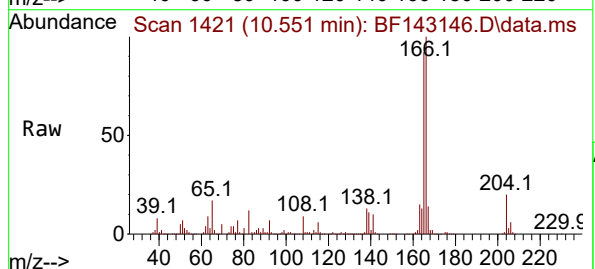
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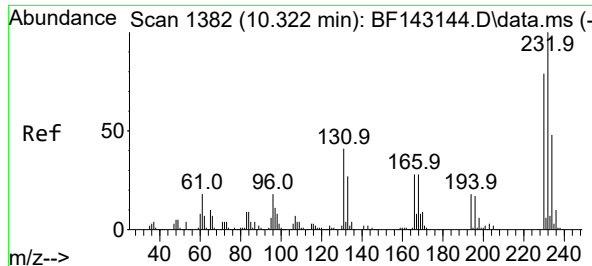
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

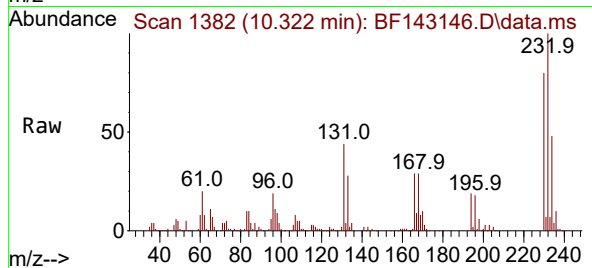
Tgt Ion:166 Resp: 997710
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

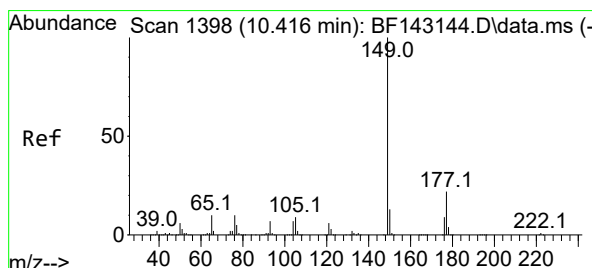
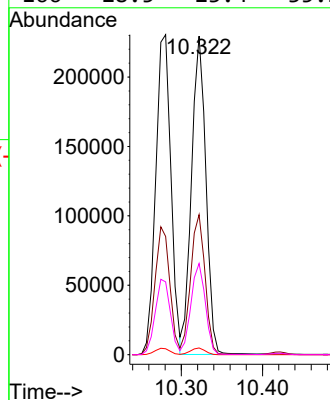
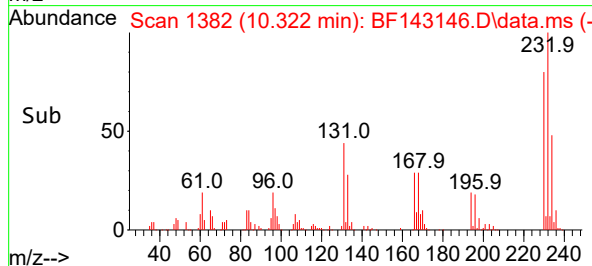
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:232 Resp: 283124
Ion Ratio Lower Upper
232 100
131 44.2 35.3 52.9
130 2.1 1.7 2.5
166 28.5 23.4 35.2

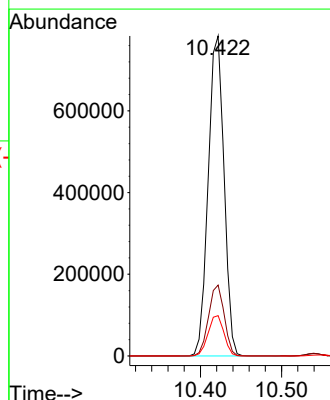
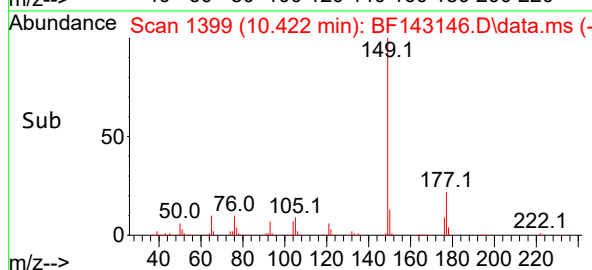
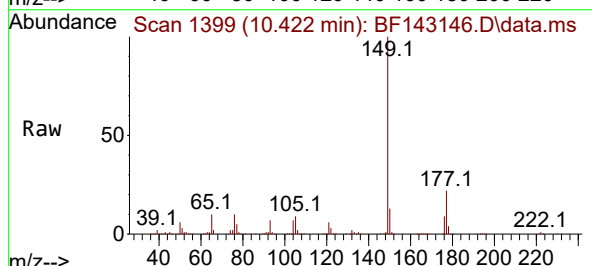
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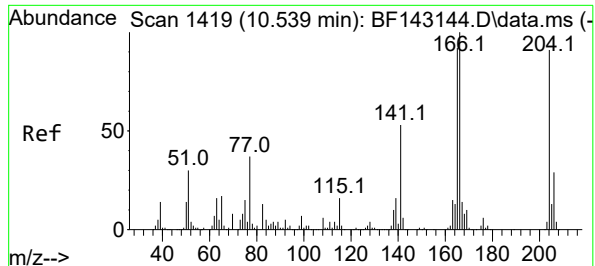
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

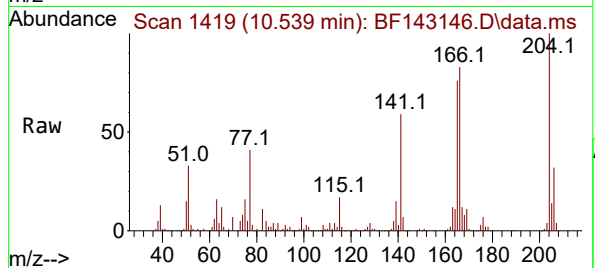
Tgt Ion:149 Resp: 1057851
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

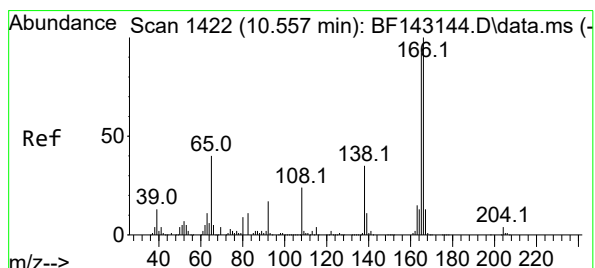
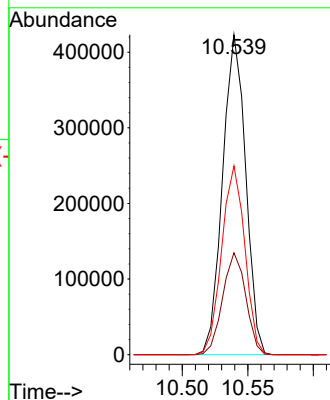
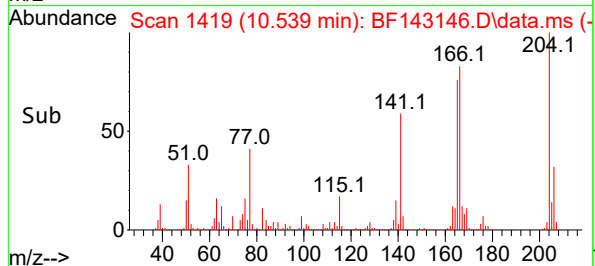
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



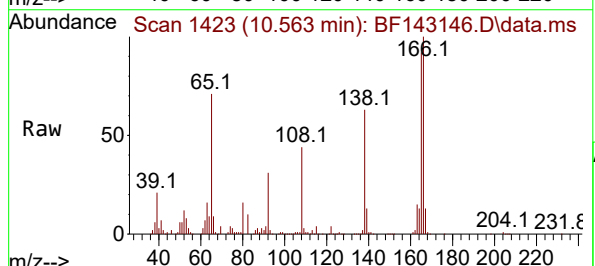
Tgt Ion:204 Resp: 516980
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 59.0 47.0 70.4

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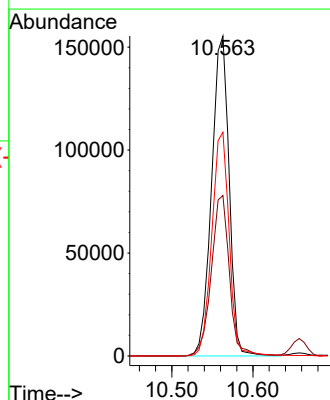
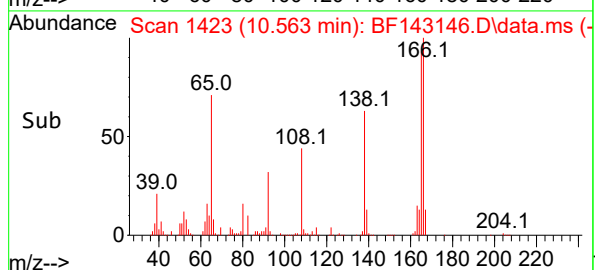
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

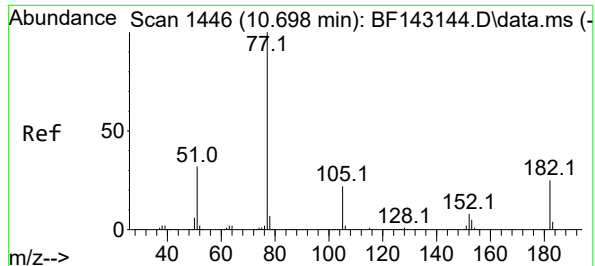


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



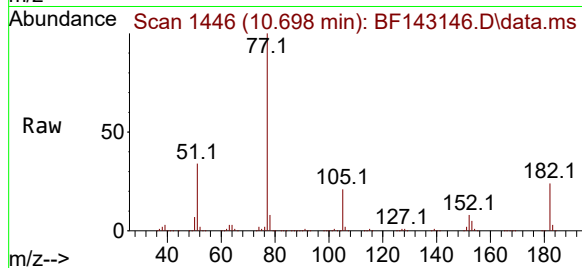
Tgt Ion:138 Resp: 232488
Ion Ratio Lower Upper
138 100
92 50.2 29.3 69.3
108 69.9 48.3 88.3





#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

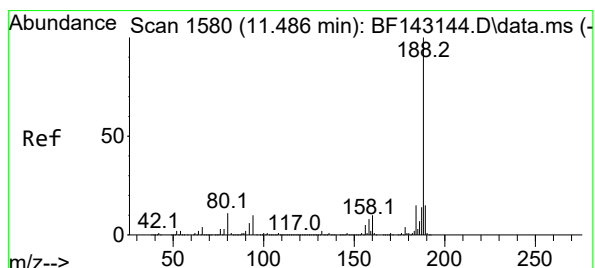
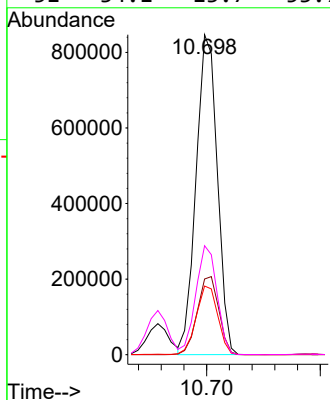
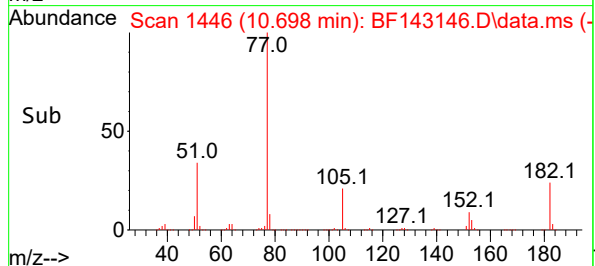
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 1098772
Ion Ratio Lower Upper
77 100
182 23.6 4.6 44.6
105 21.4 1.4 41.4
51 34.1 13.7 53.7

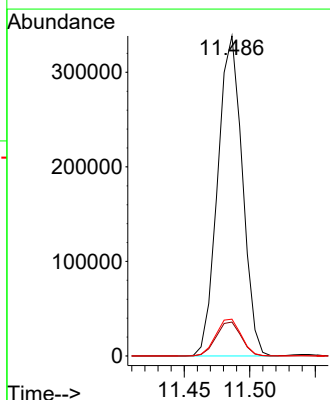
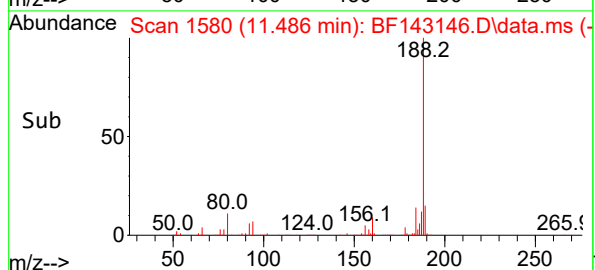
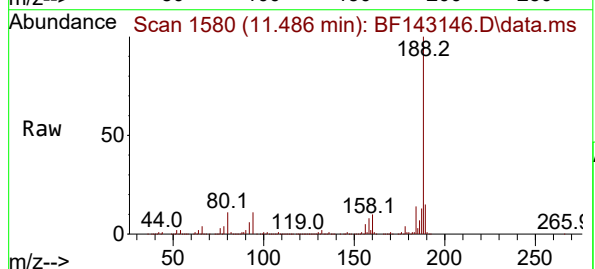
Manual Integrations
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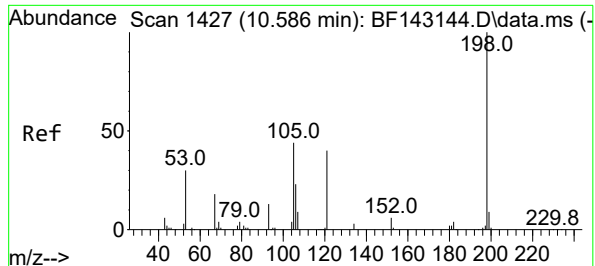
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:188 Resp: 442888
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.5 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 60.728 ng

RT: 10.592 min Scan# 1428

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:198 Resp: 14475

Ion Ratio Lower Upper

198 100

51 55.6 37.2 77.2

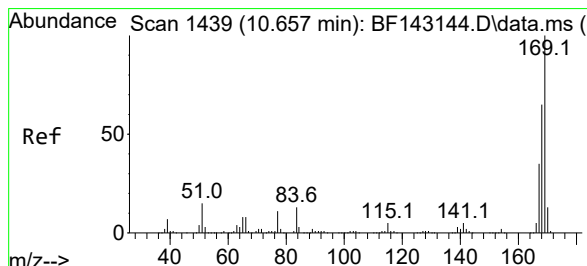
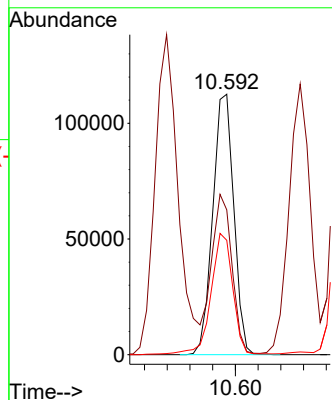
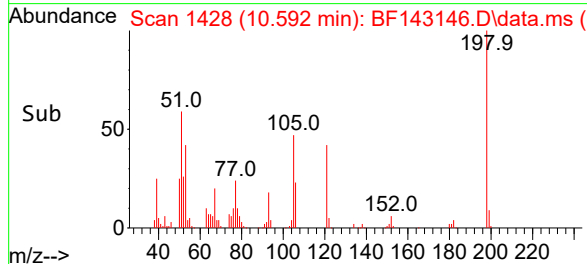
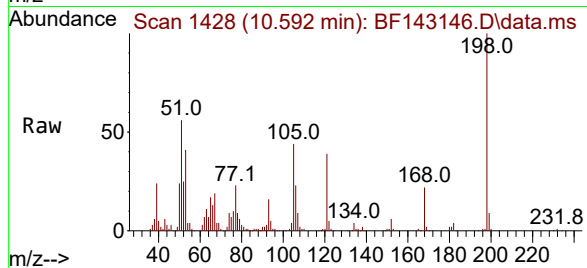
105 43.9 24.8 64.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#66

n-Nitrosodiphenylamine

Concen: 58.380 ng

RT: 10.657 min Scan# 1439

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

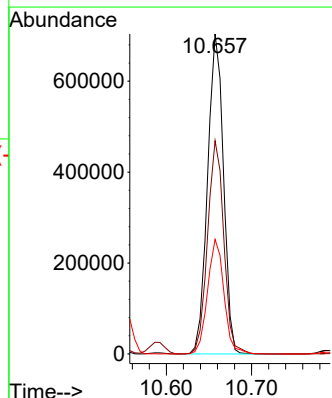
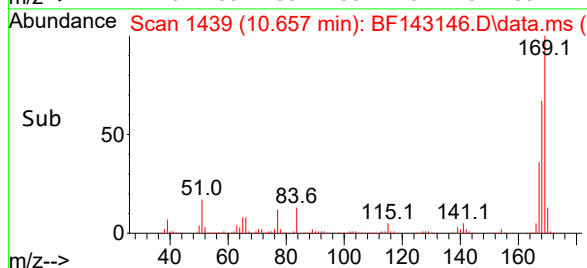
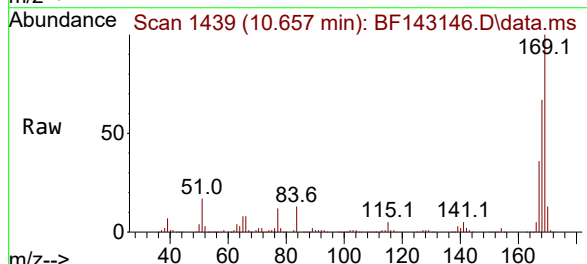
Tgt Ion:169 Resp: 910468

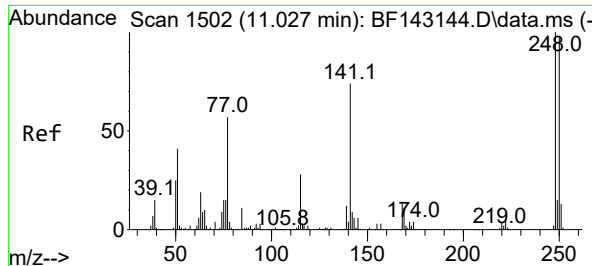
Ion Ratio Lower Upper

169 100

168 66.6 52.1 78.1

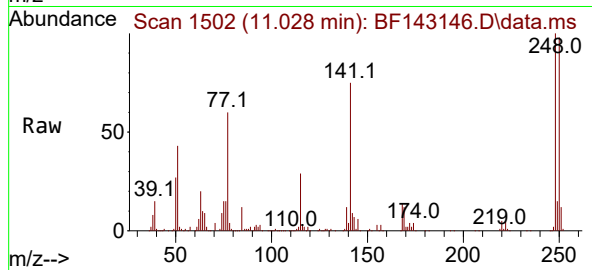
167 35.8 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

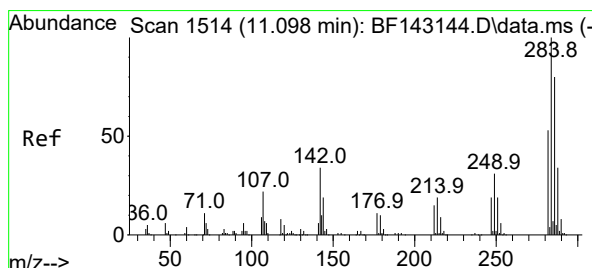
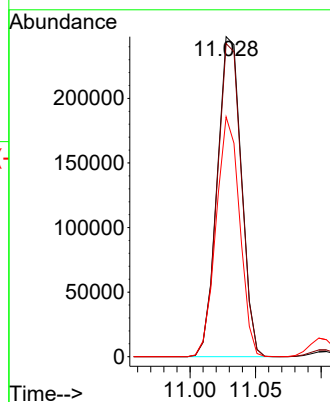
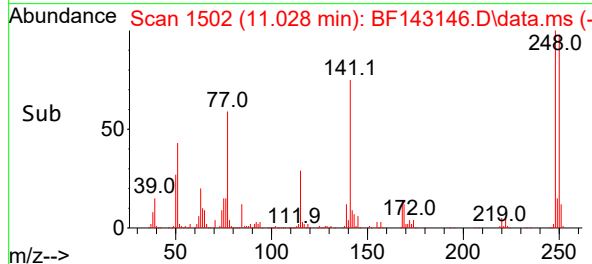
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



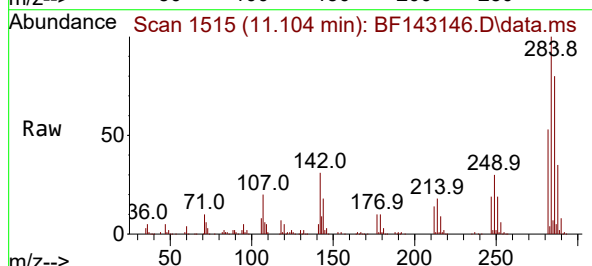
Tgt Ion:248 Resp: 318085
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 75.0 59.2 88.8

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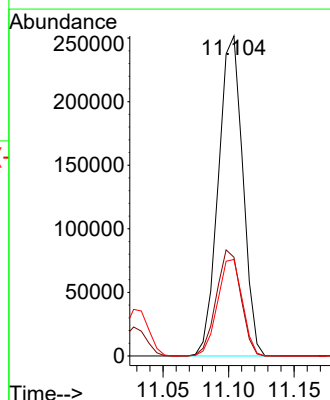
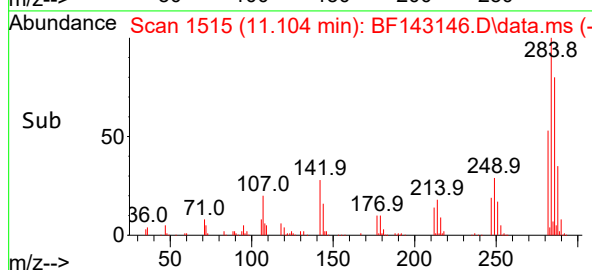
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

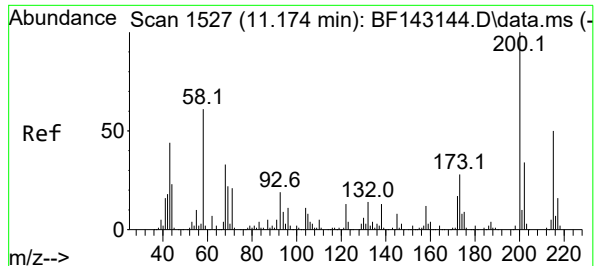


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



Tgt Ion:284 Resp: 325779
Ion Ratio Lower Upper
284 100
142 30.9 27.0 40.6
249 30.1 25.0 37.6





#69

Atrazine

Concen: 61.024 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:200 Resp: 262374

Ion Ratio Lower Upper

200 100

173 27.6 7.9 47.9

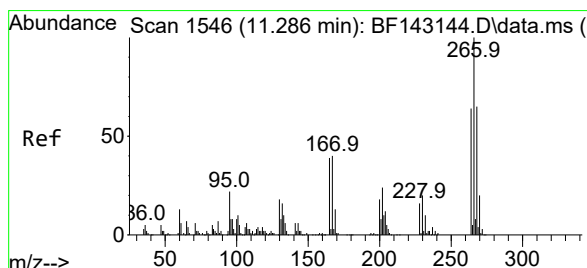
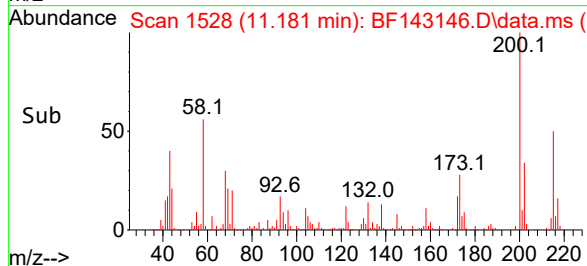
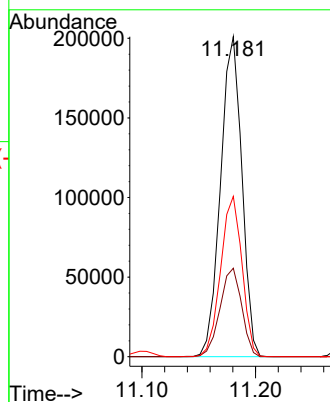
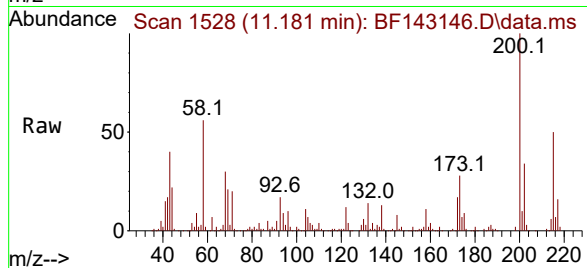
215 50.1 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 63.625 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

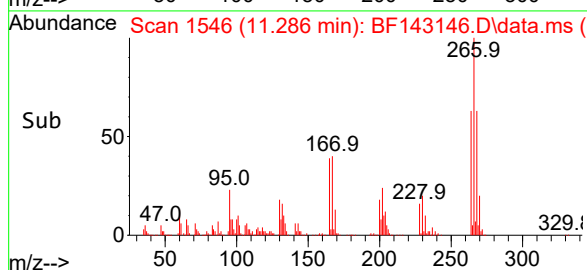
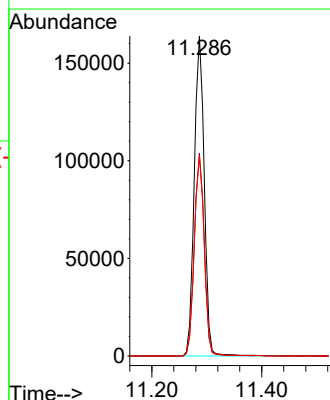
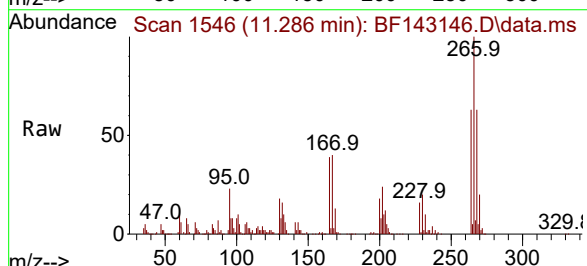
Tgt Ion:266 Resp: 206417

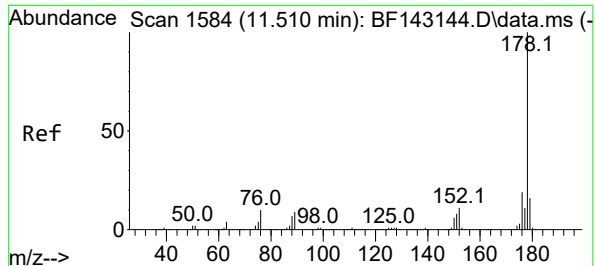
Ion Ratio Lower Upper

266 100

268 63.3 51.9 77.9

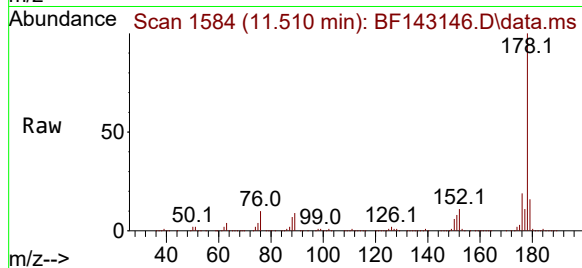
264 62.5 51.0 76.6





#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

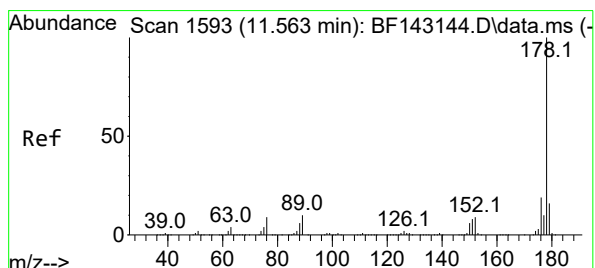
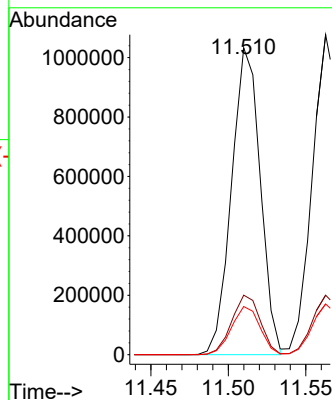
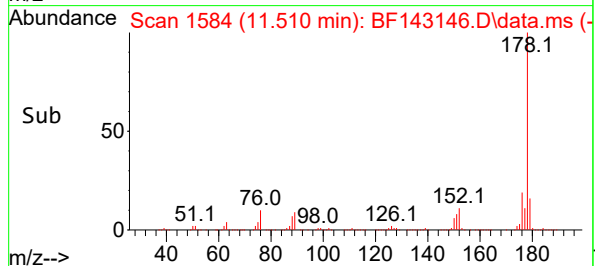
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1331485
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7

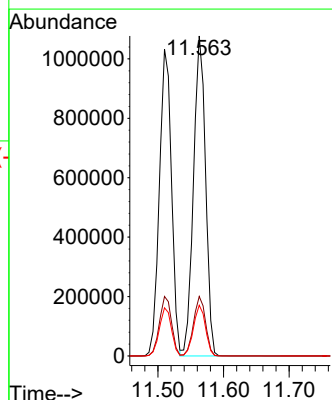
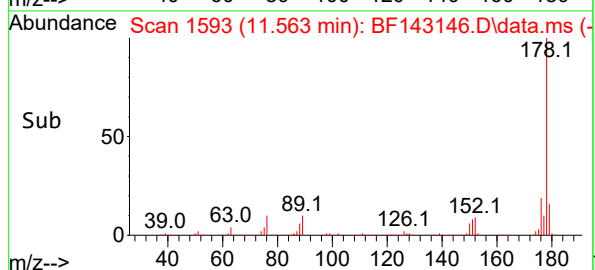
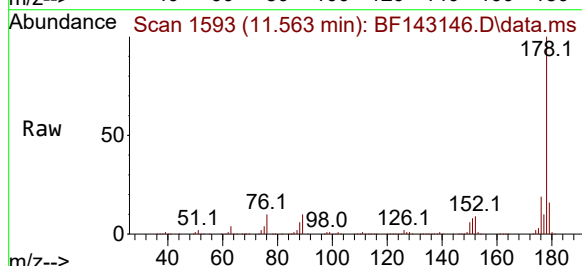
Manual Integrations
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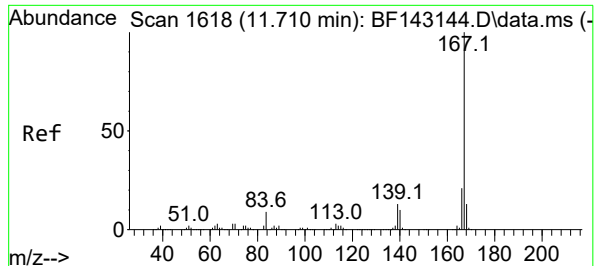
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

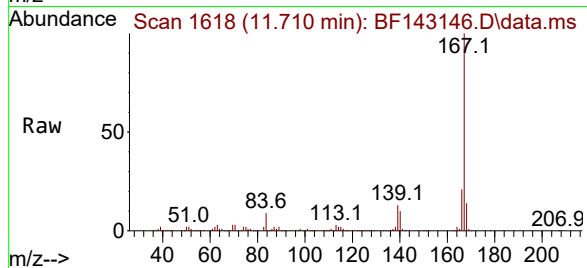
Tgt Ion:178 Resp: 1379601
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.8 12.5 18.7





#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

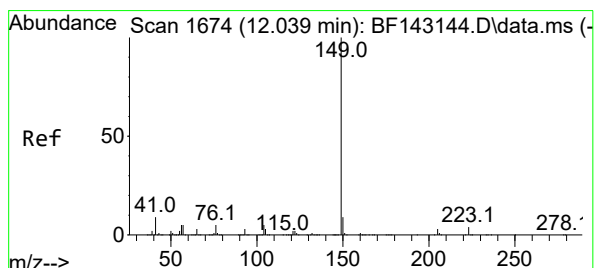
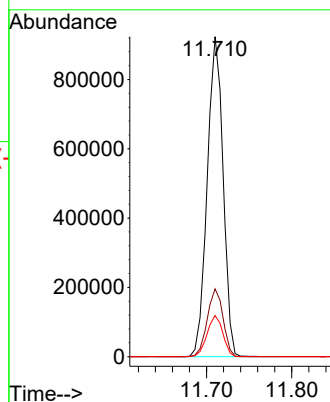
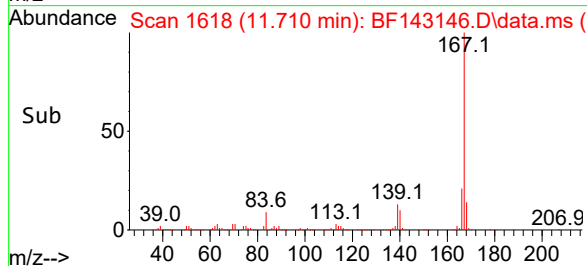
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



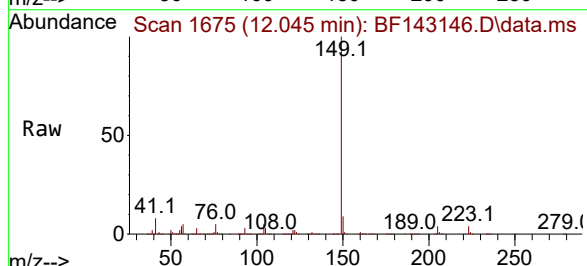
Tgt Ion:167 Resp: 1194020
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.6
139 12.9 10.0 15.0

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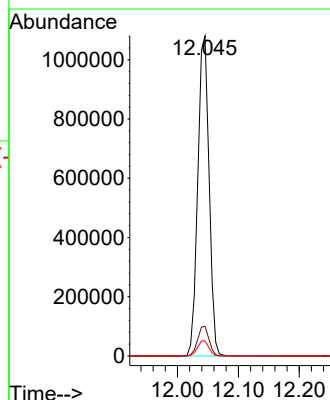
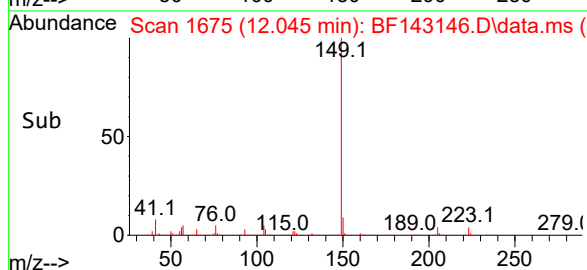
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

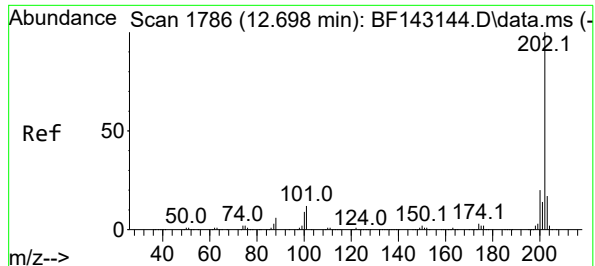


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



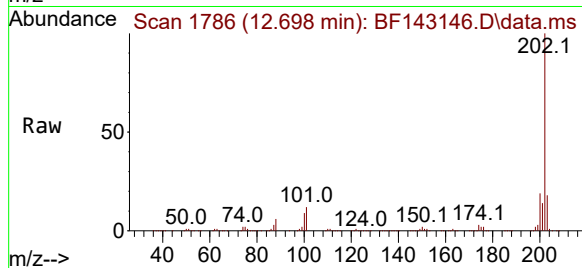
Tgt Ion:149 Resp: 1392335
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

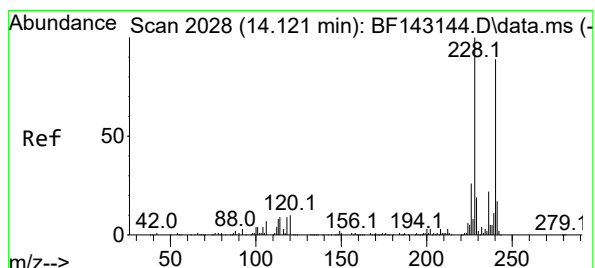
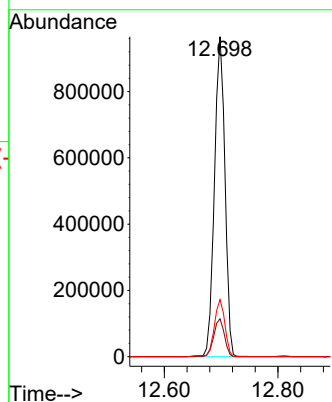
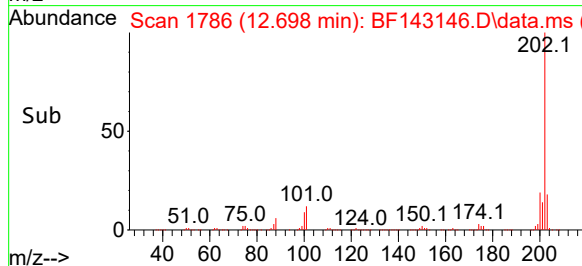
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1232952
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.8 0.0 37.4

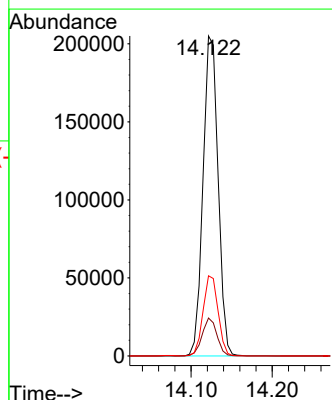
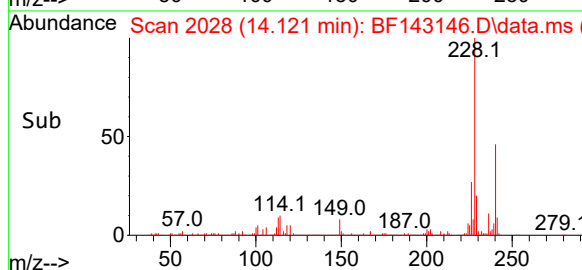
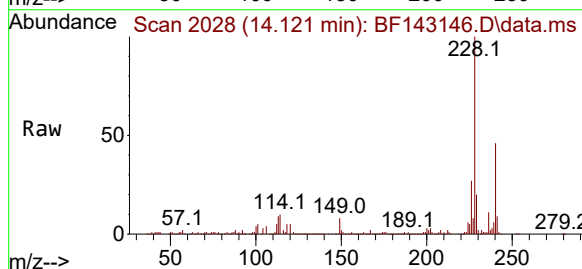
Manual Integrations
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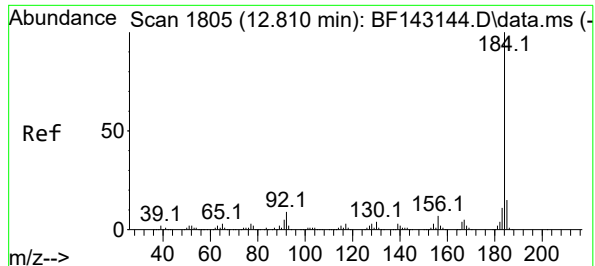
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

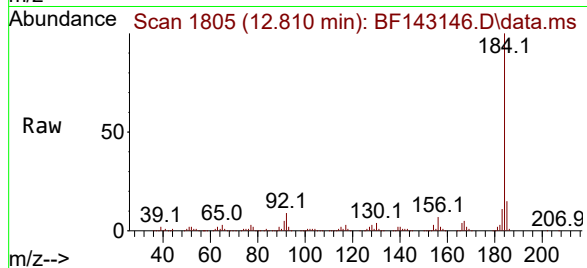
Tgt Ion:240 Resp: 264384
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.1 20.2 30.4





#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

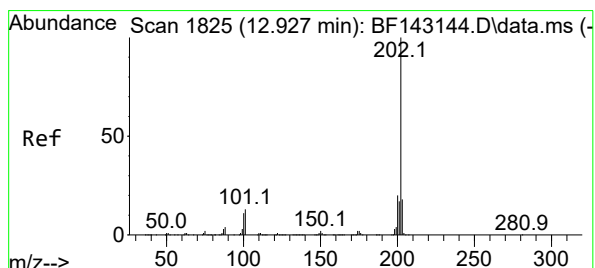
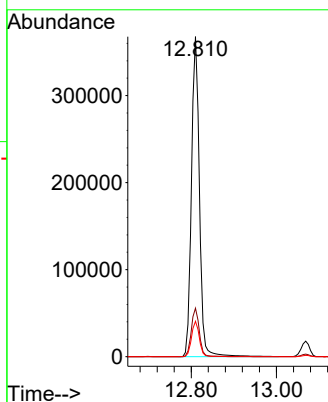
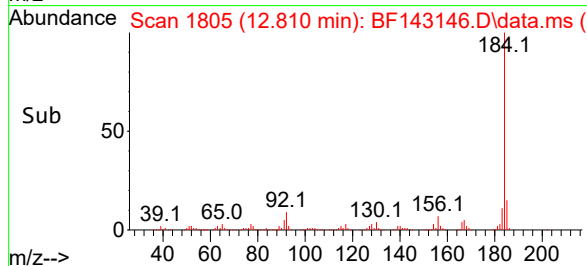
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:184 Resp: 47655
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.0 9.0 13.4

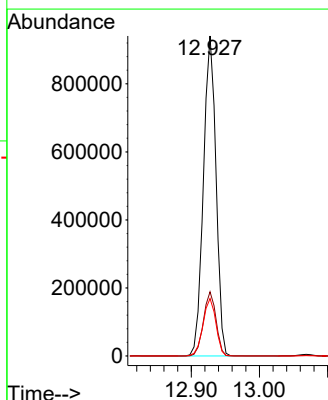
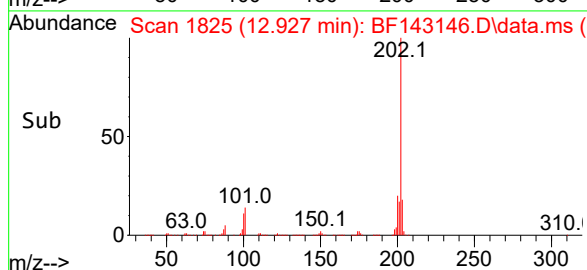
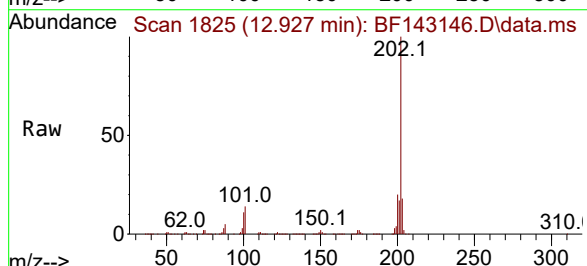
Manual Integrations
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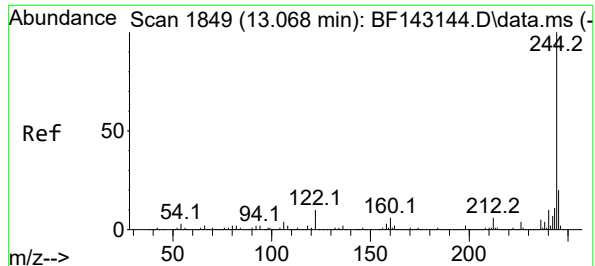
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 1207978
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 18.0 14.2 21.2





#79
Terphenyl-d14
Concen: 106.298 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

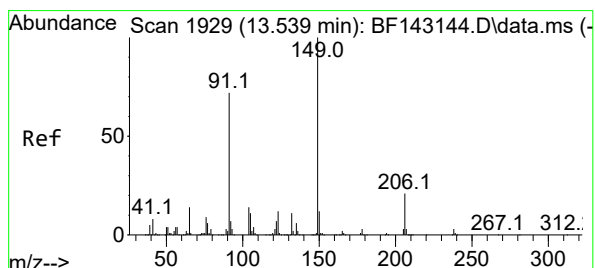
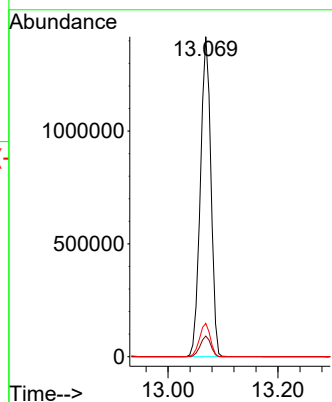
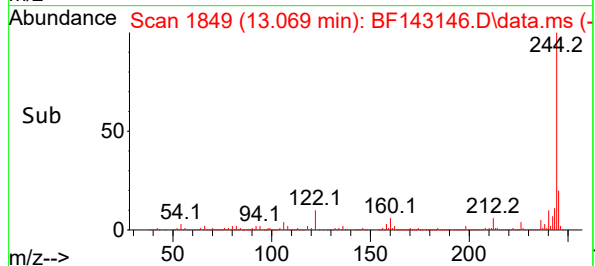
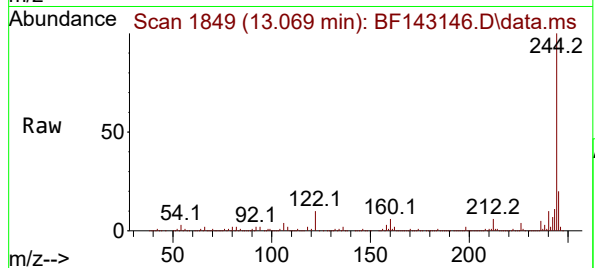
SSTDICC060

Tgt Ion:244 Resp: 1888544
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 10.4 8.2 12.2

Manual Integrations

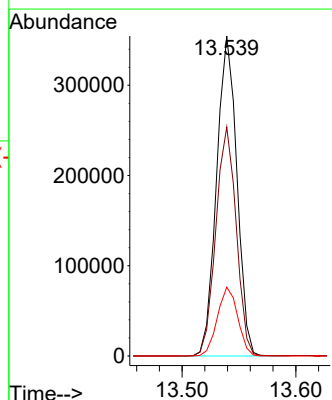
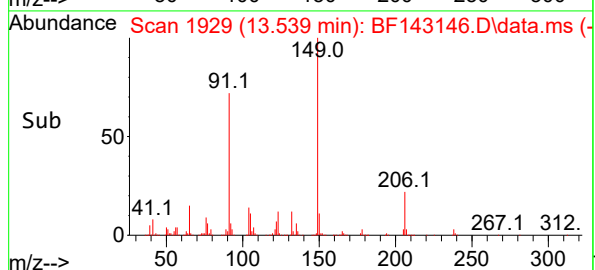
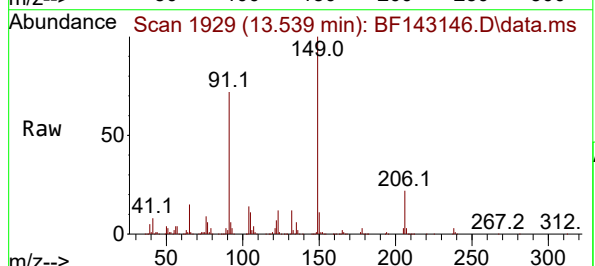
APPROVED

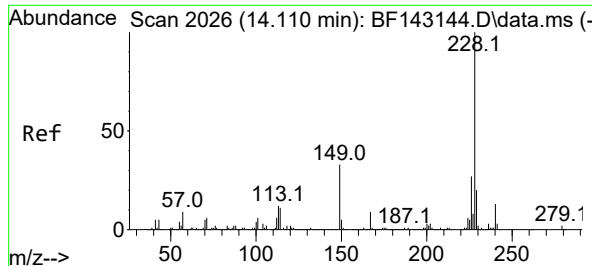
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

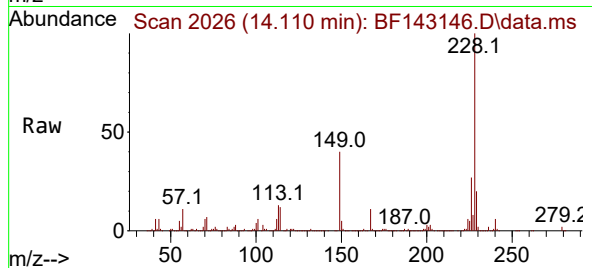
Tgt Ion:149 Resp: 441334
Ion Ratio Lower Upper
149 100
91 71.6 57.9 86.9
206 21.5 17.0 25.4





#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

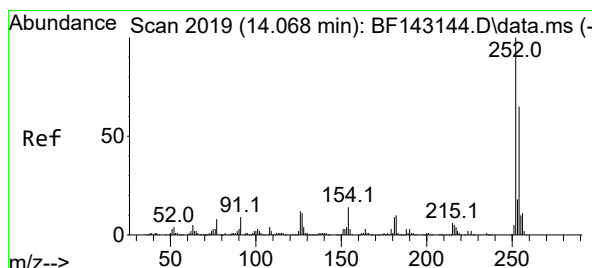
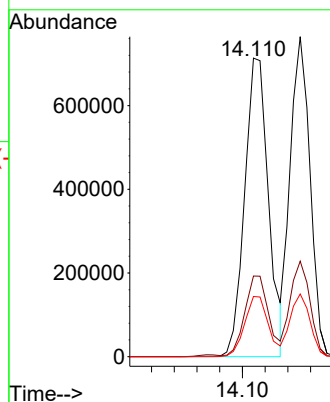
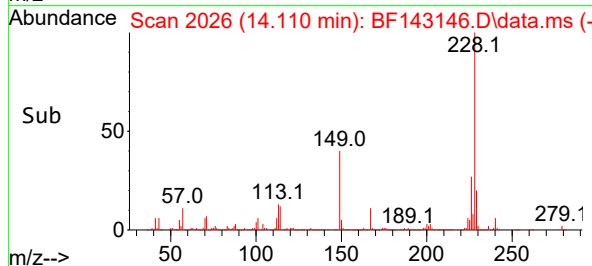
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 1041230
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.2 15.8 23.6

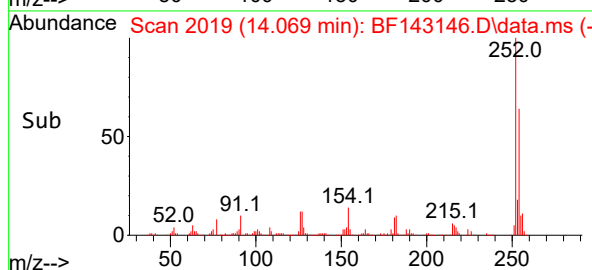
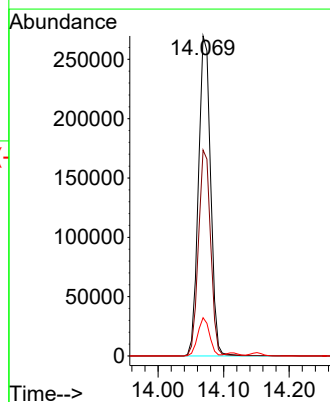
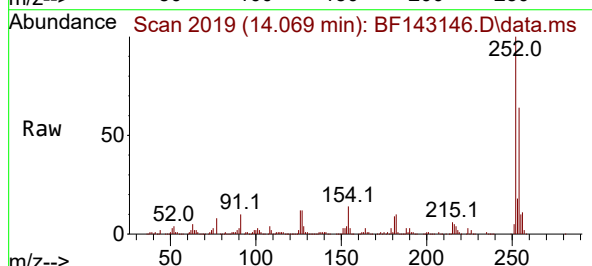
Manual Integrations
APPROVED

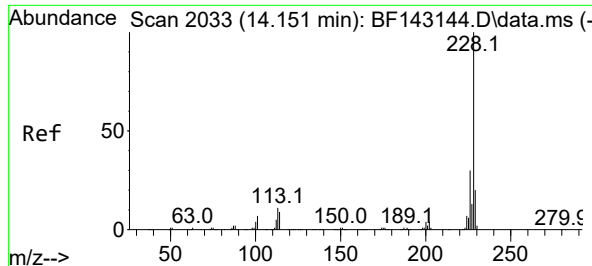
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

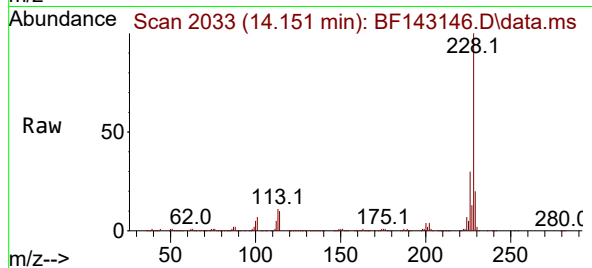
Tgt Ion:252 Resp: 348979
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 12.0 9.4 14.0





#83
Chrysene
Concen: 58.472 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

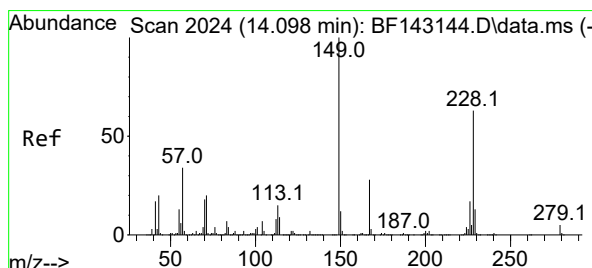
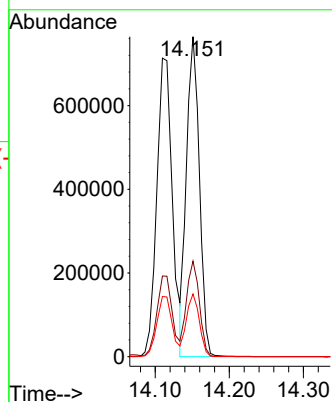
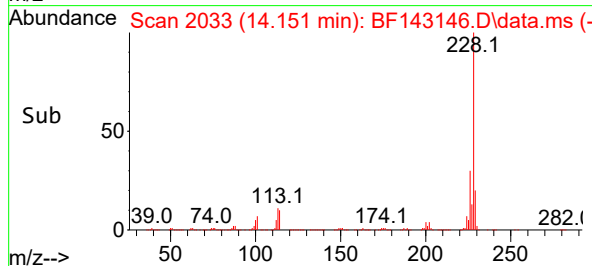
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 930549
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 19.6 15.6 23.4

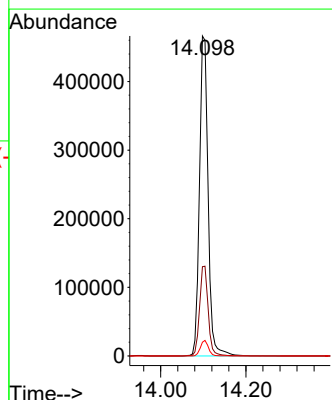
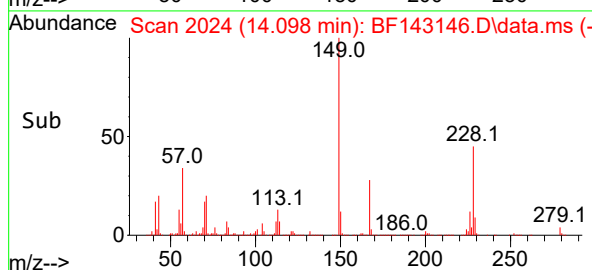
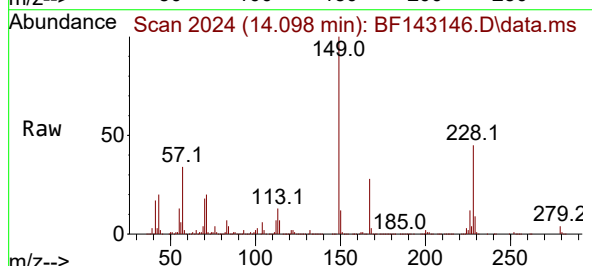
Manual Integrations
APPROVED

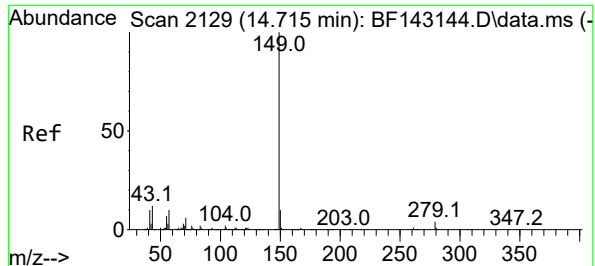
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

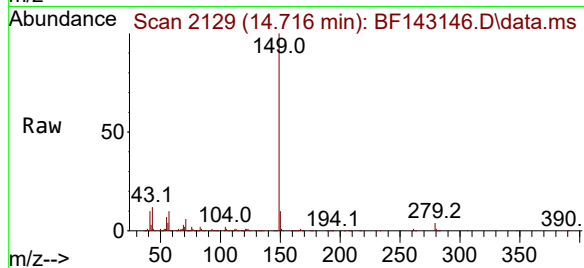
Tgt Ion:149 Resp: 655482
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.3 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

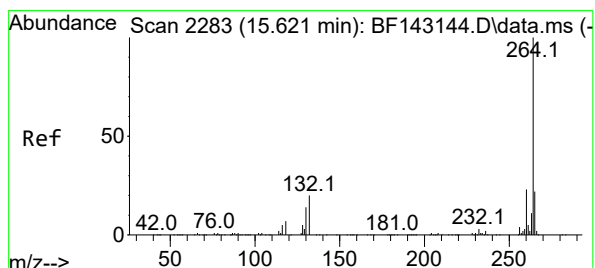
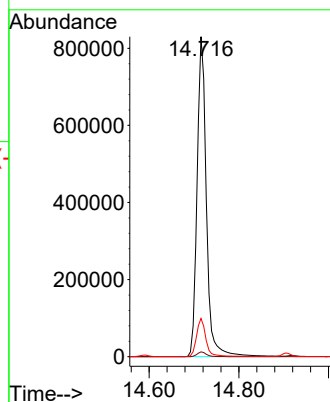
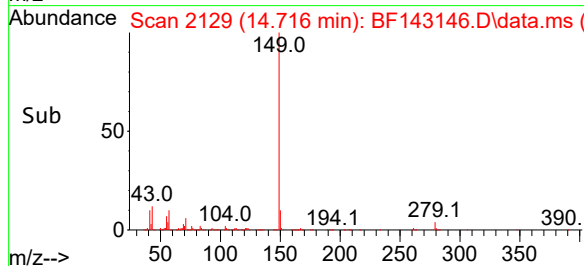
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



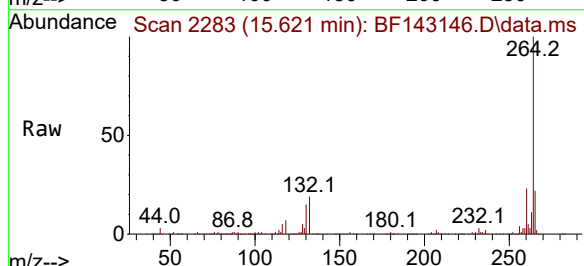
Tgt Ion:149 Resp: 1196044
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.0 9.7 14.5

Manual Integrations
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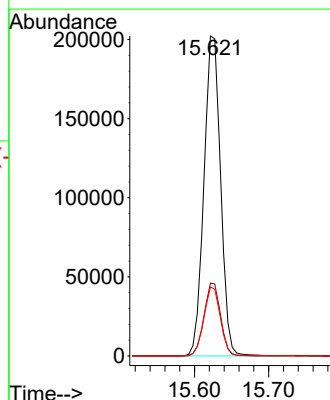
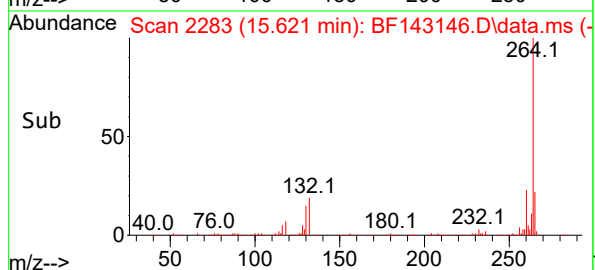
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

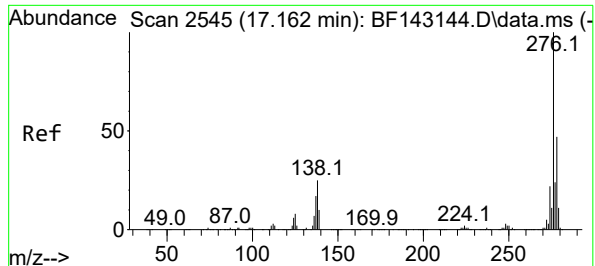


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04



Tgt Ion:264 Resp: 315904
Ion Ratio Lower Upper
264 100
260 22.7 18.5 27.7
265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.037 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 133736

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

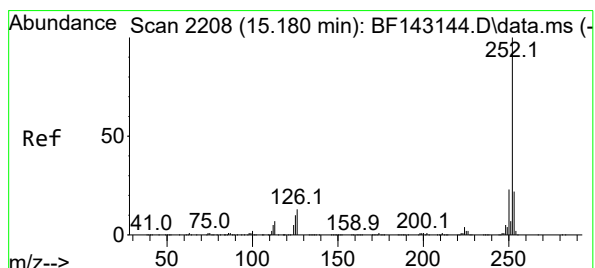
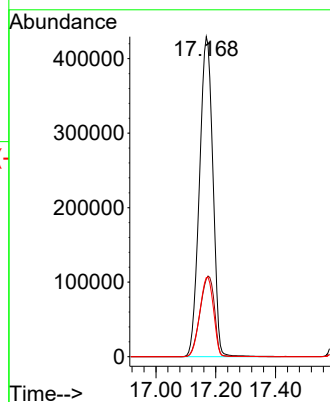
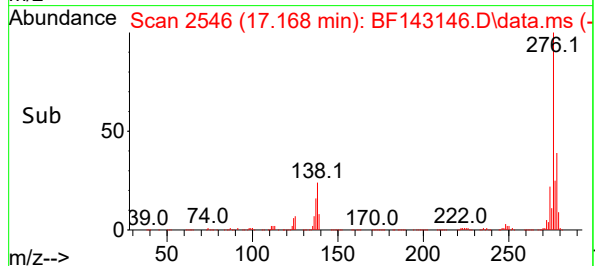
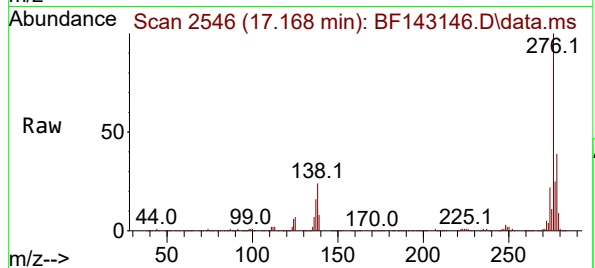
277 25.4 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#88

Benzo(b)fluoranthene

Concen: 58.328 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

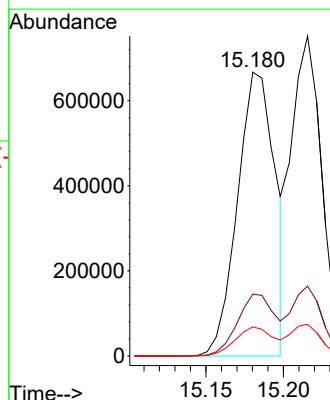
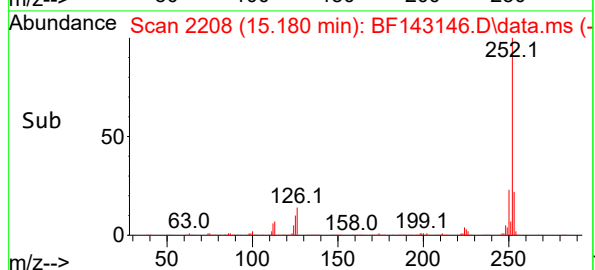
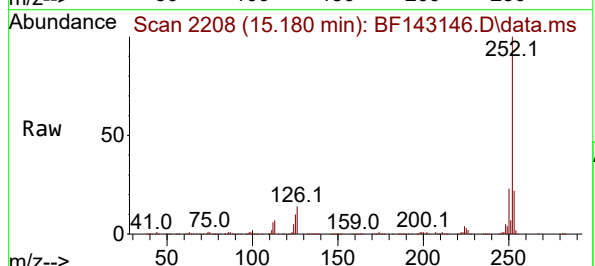
Tgt Ion:252 Resp: 1125667

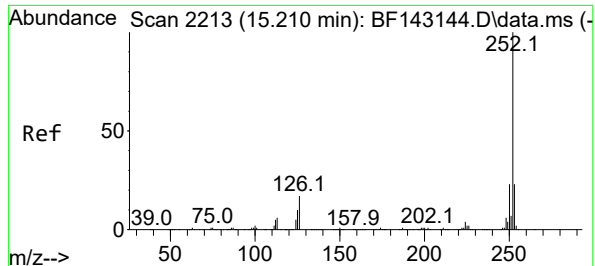
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 59.411 ng

RT: 15.216 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 102313

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

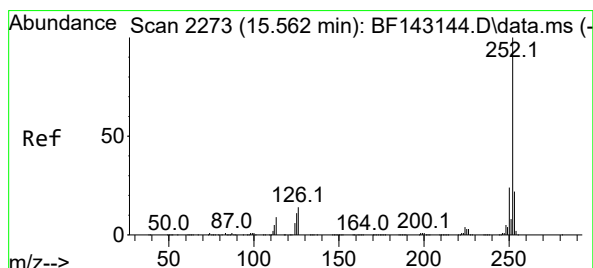
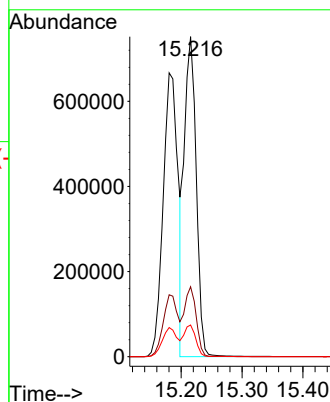
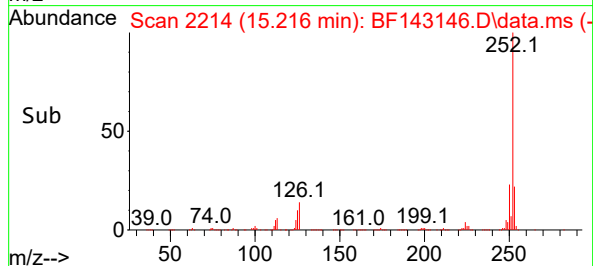
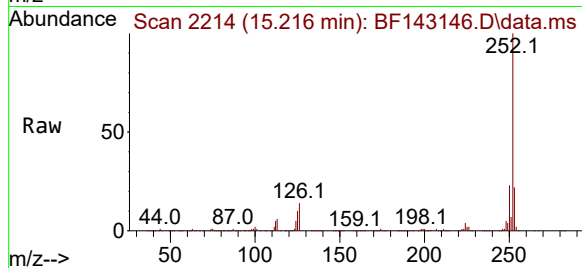
125 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 59.730 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143146.D

Acq: 17 Jul 2025 14:04

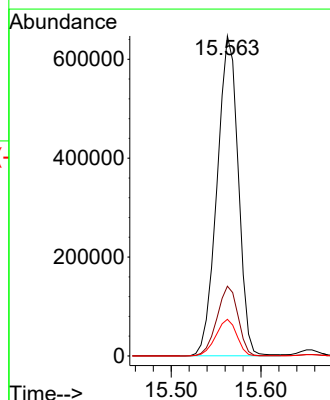
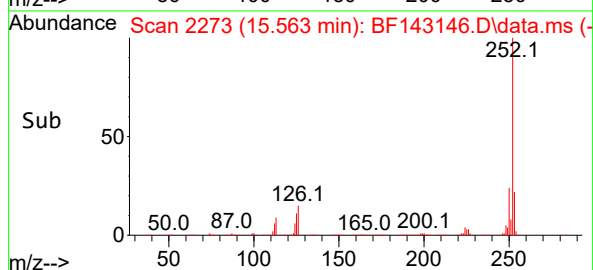
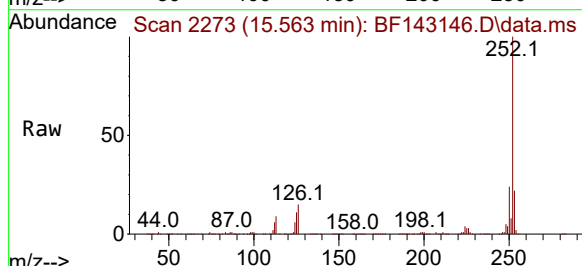
Tgt Ion:252 Resp: 1062049

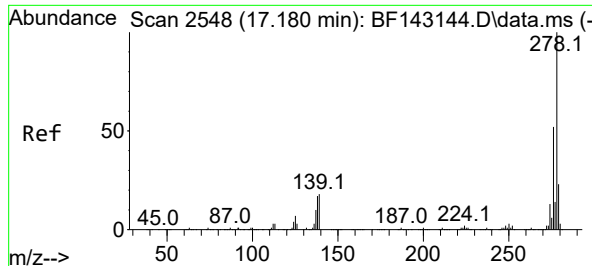
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

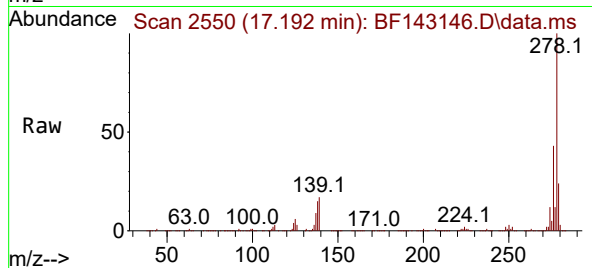
125 11.5 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2550
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

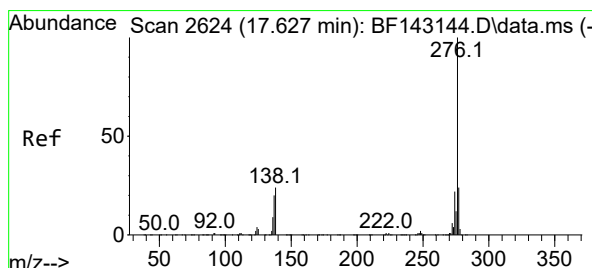
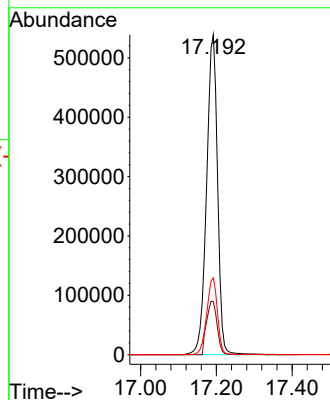
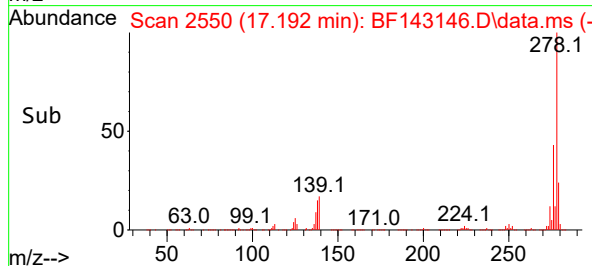
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 1080768
Ion Ratio Lower Upper
278 100
139 16.6 14.1 21.1
279 24.0 18.6 28.0

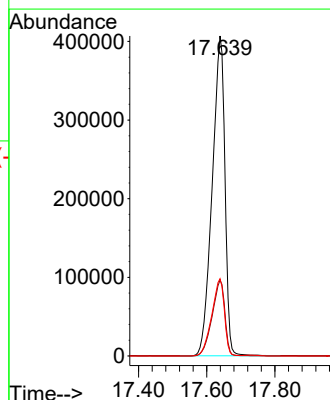
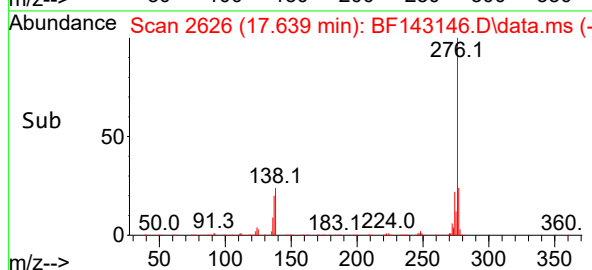
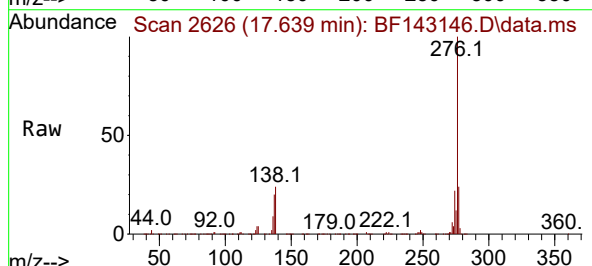
Manual Integrations
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Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 24.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng	0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng	0.00
86) Perylene-d12	15.627	264	296687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng	0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng	0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng	0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng	0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng	99
3) Pyridine	3.569	79	842446	74.844	ng	99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng	97
6) Aniline	6.628	93	1170943	72.831	ng	98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng	99
9) Benzaldehyde	6.516	77	493544	57.055	ng	99
10) Phenol	6.610	94	888041m	70.663	ng	
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng	100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng	100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng	99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng	100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng	99
17) 2-Methylphenol	7.210	107	595477	73.719	ng	99
18) Hexachloroethane	7.481	117	266665	73.293	ng	99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng	99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	# 87
22) Acetophenone	7.375	105	890890	69.107	ng	# 95
24) Nitrobenzene	7.551	77	751964	73.836	ng	100
25) Isophorone	7.792	82	1453353	75.366	ng	99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng	100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng	99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng	99
31) Naphthalene	8.269	128	1854387	69.150	ng	100
32) Benzoic acid	8.028	122	423625m	79.801	ng	
33) 4-Chloroaniline	8.310	127	787243	71.895	ng	98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng	99
35) Caprolactam	8.698	113	178271	77.644	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng	99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng	100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng	99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143147.D
 Acq On : 17 Jul 2025 14:34
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 14:54:43 2025
 Response via : Initial Calibration

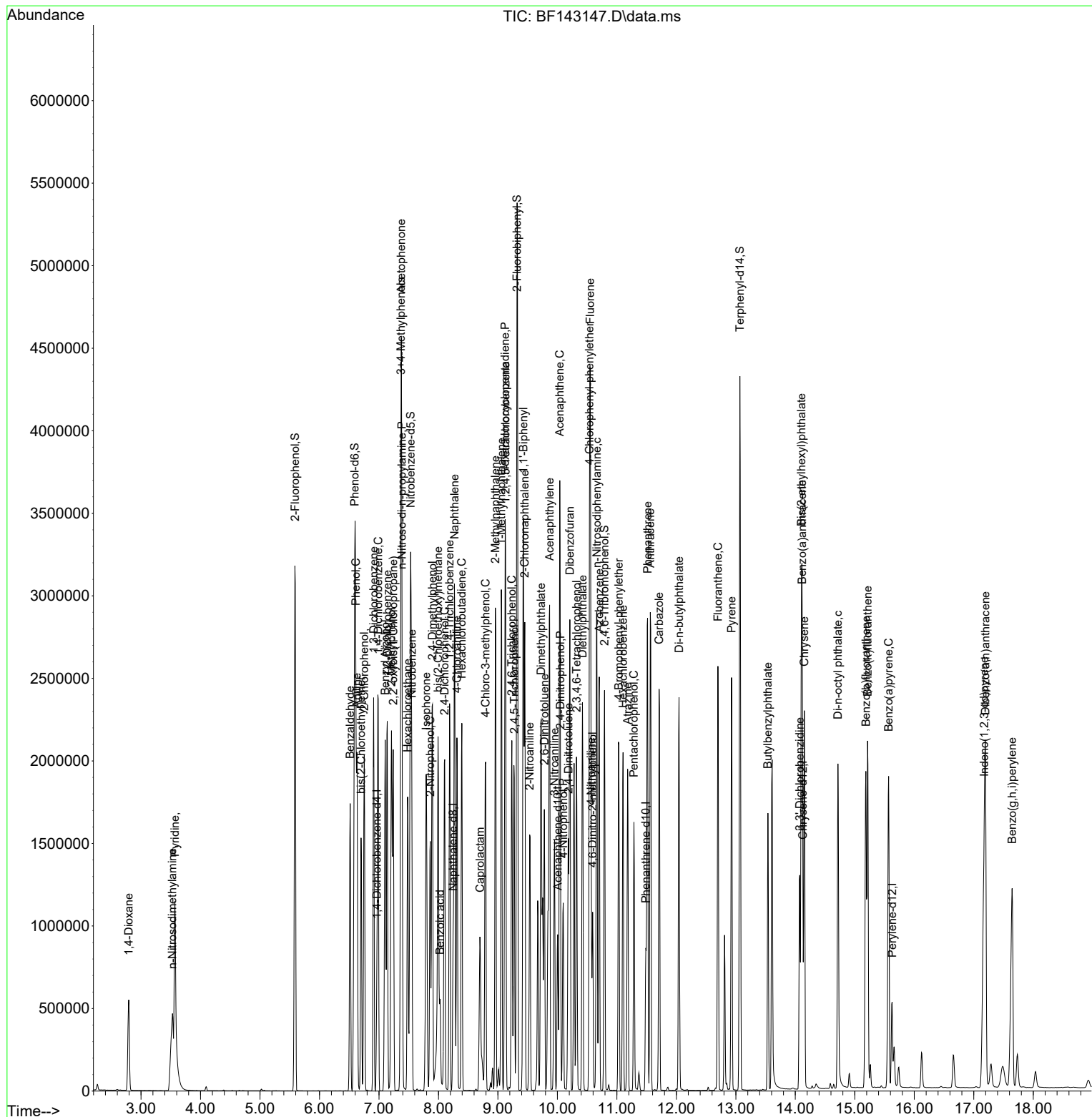
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng	99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng	100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng	100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng	96
49) Acenaphthylene	9.869	152	1868062	70.057	ng	100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng	99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng	99
52) Acenaphthene	10.039	154	1120315	71.086	ng	99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng	98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng	# 40
55) Dibenzofuran	10.210	168	1615399	69.038	ng	99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng	99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng	96
58) Fluorene	10.551	166	1197731	68.203	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng	100
60) Diethylphthalate	10.422	149	1276217	71.870	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng	99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng	98
63) Azobenzene	10.704	77	1318720	71.255	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng	98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng	98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng	96
69) Atrazine	11.180	200	324126	77.819	ng	99
70) Pentachlorophenol	11.286	266	257176	81.829	ng	98
71) Phenanthrene	11.516	178	1602208	70.331	ng	100
72) Anthracene	11.563	178	1641264	70.640	ng	100
73) Carbazole	11.710	167	1435444	70.754	ng	99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng	100
75) Fluoranthene	12.698	202	1498103	71.645	ng	99
78) Pyrene	12.927	202	1466205	70.021	ng	100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng	99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng	99
83) Chrysene	14.151	228	1105636	74.863	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng	99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng	99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng	100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng	100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng	99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng	100

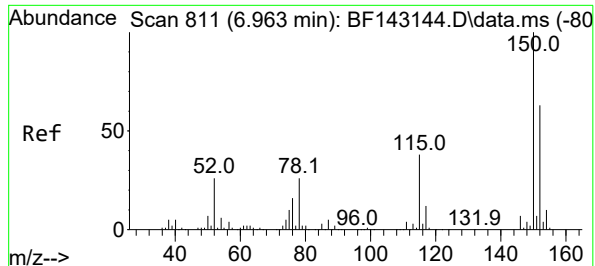
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations

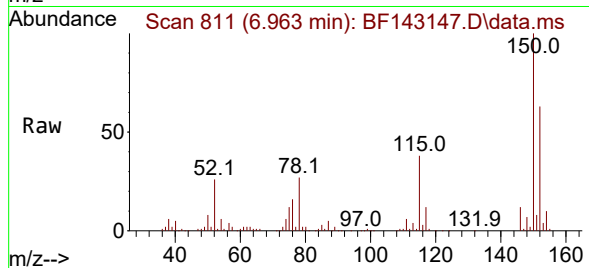
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

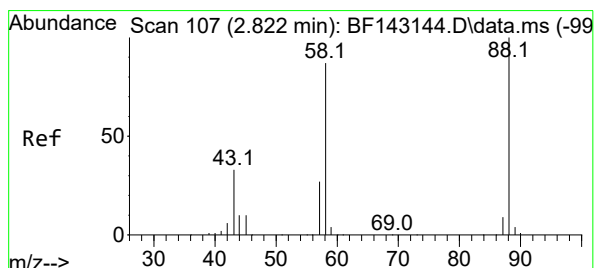
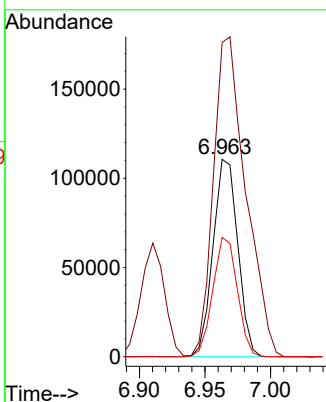
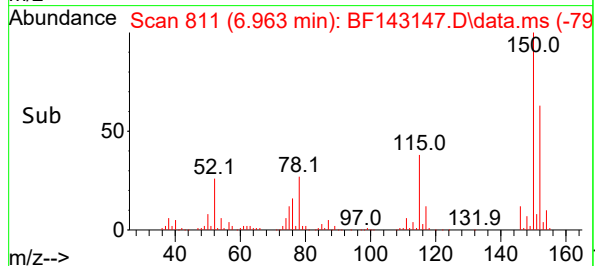
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



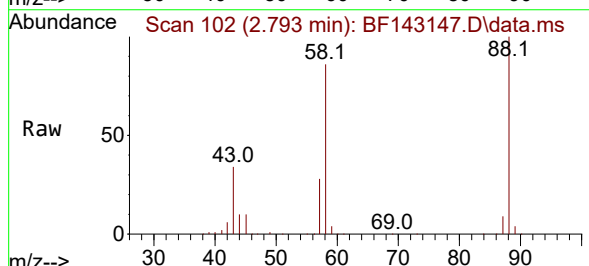
Tgt Ion:152 Resp: 145034
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 60.4 47.9 71.9

Manual Integrations
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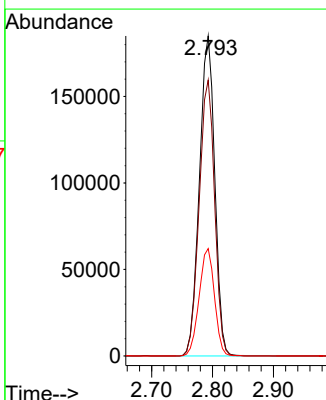
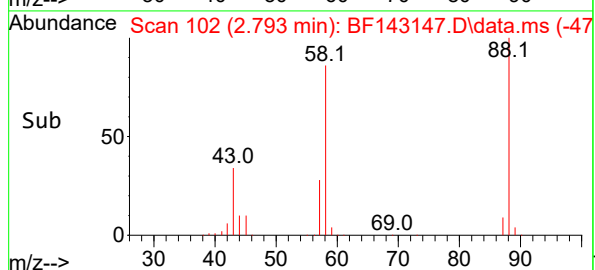
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

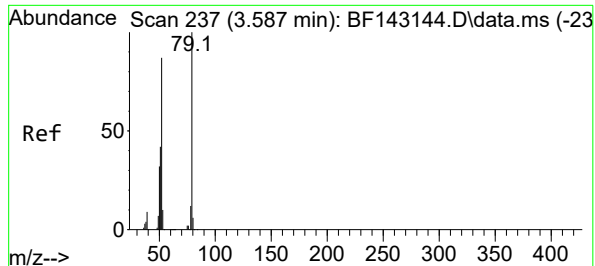


#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



Tgt Ion: 88 Resp: 323993
Ion Ratio Lower Upper
88 100
58 86.8 70.2 105.2
43 33.6 27.1 40.7





#3

Pyridine

Concen: 74.844 ng

RT: 3.569 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF143147.D

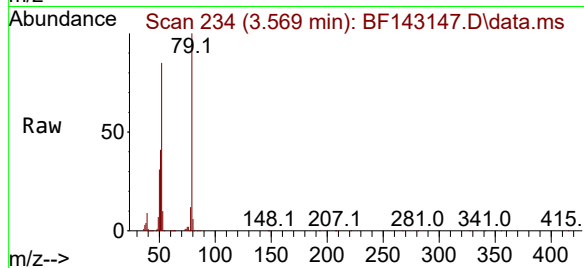
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 79 Resp: 842440

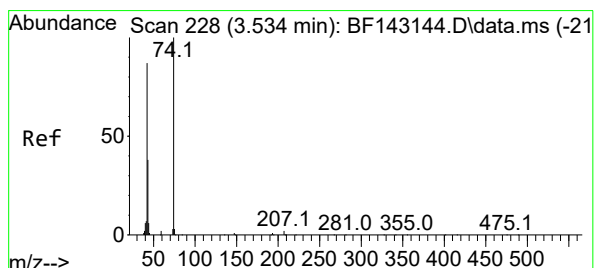
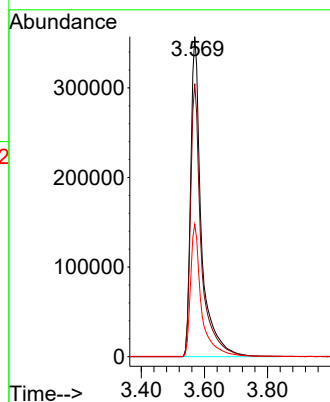
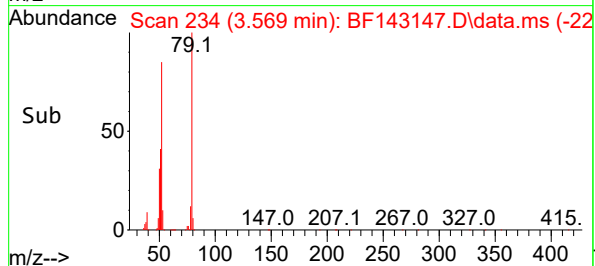
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.4	33.5	50.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#4

n-Nitrosodimethylamine

Concen: 76.677 ng

RT: 3.528 min Scan# 227

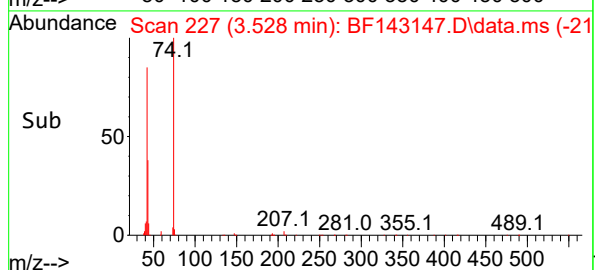
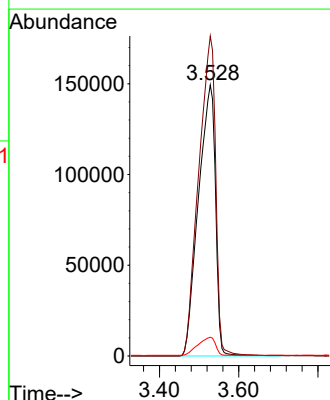
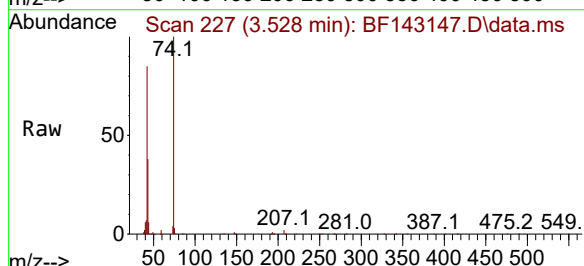
Delta R.T. -0.006 min

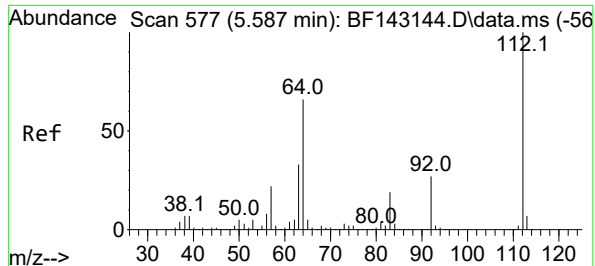
Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612

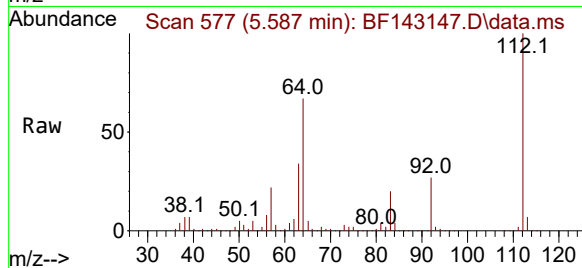
Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	6.9	5.6	8.4





#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

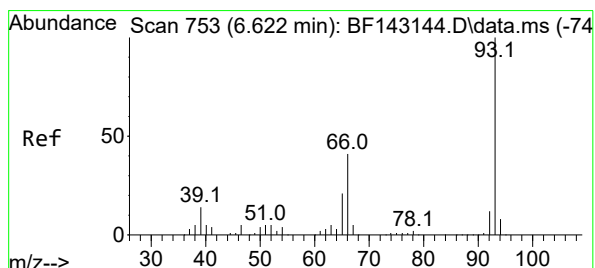
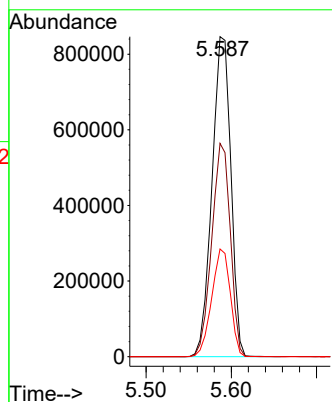
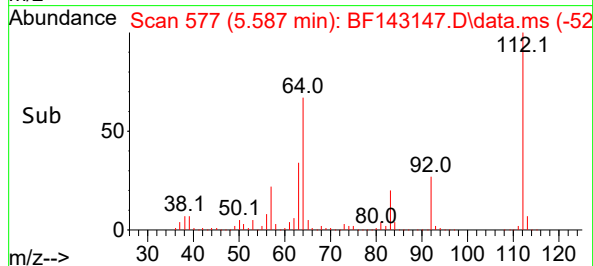
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:112 Resp: 1300344
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 33.6 26.6 40.0

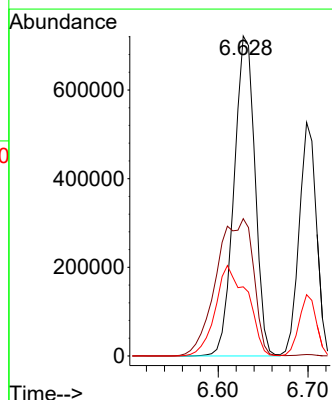
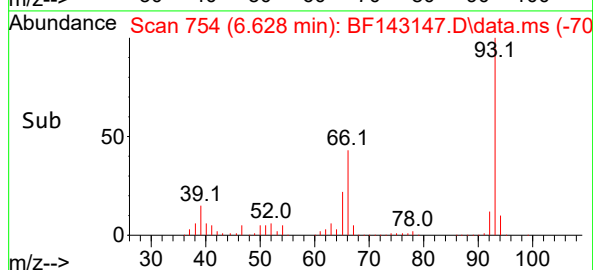
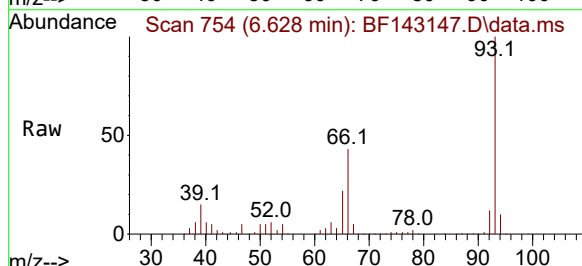
Manual Integrations
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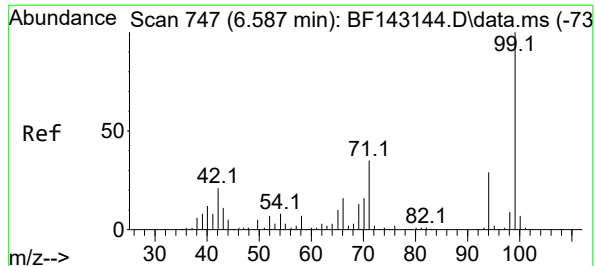
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943
Ion Ratio Lower Upper
93 100
66 42.9 33.2 49.8
65 21.6 16.9 25.3





#7

Phenol-d6

Concen: 142.159 ng

RT: 6.593 min Scan# 747

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 163993

Ion Ratio Lower Upper

99 100

42 21.1 17.0 25.6

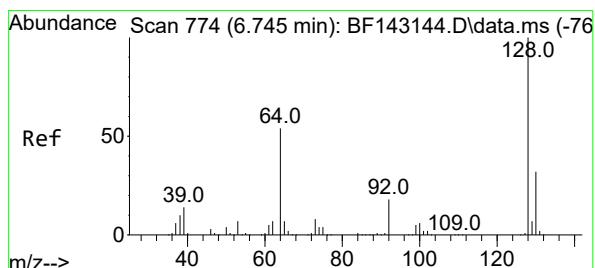
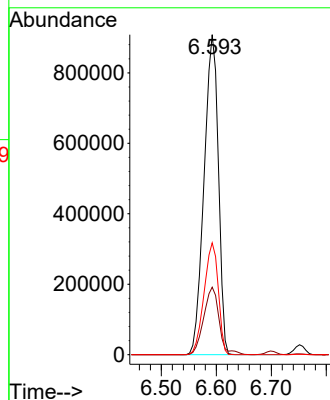
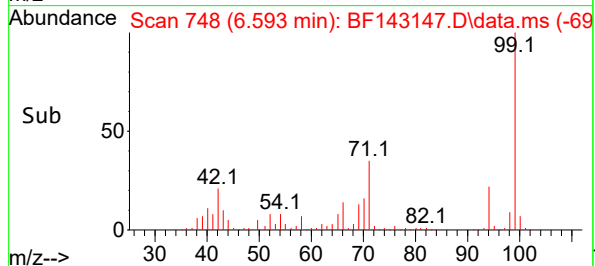
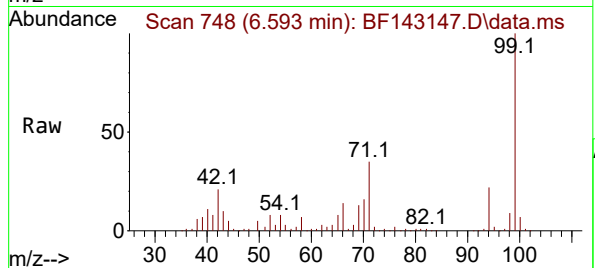
71 35.0 27.7 41.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#8

2-Chlorophenol

Concen: 72.781 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

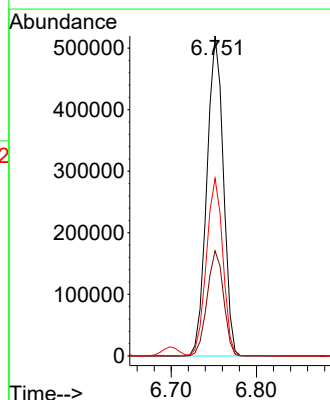
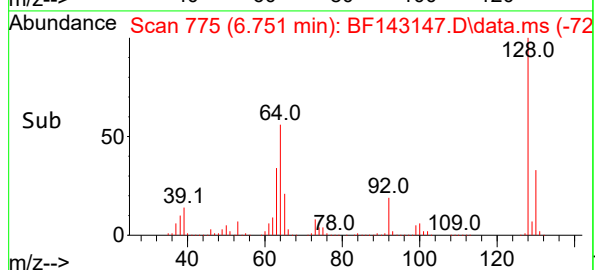
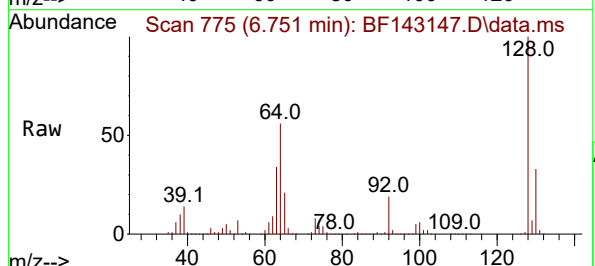
Tgt Ion:128 Resp: 699193

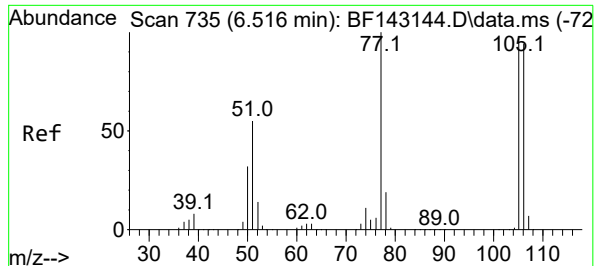
Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

64 55.5 35.9 75.9





#9

Benzaldehyde

Concen: 57.055 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 77 Resp: 493544

Ion Ratio Lower Upper

77 100

105 96.2 76.8 116.8

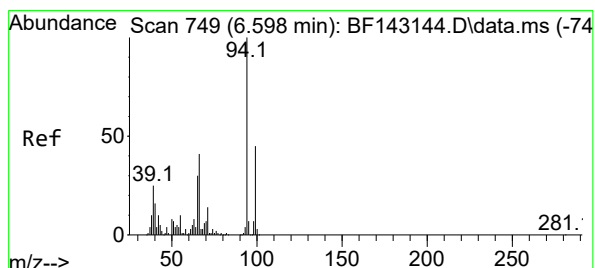
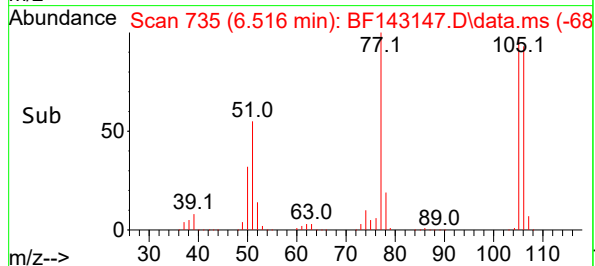
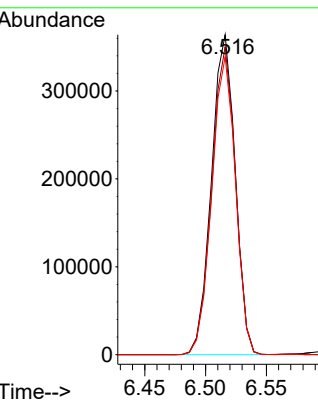
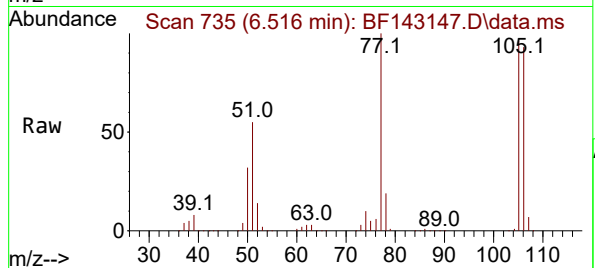
106 93.1 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 70.663 ng m

RT: 6.610 min Scan# 751

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

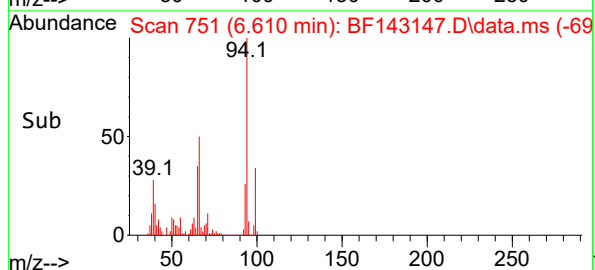
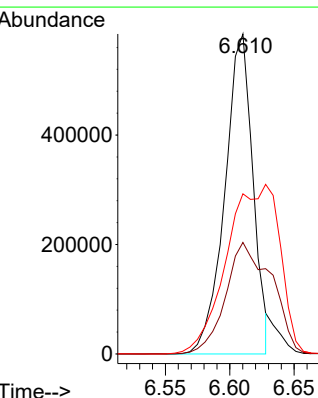
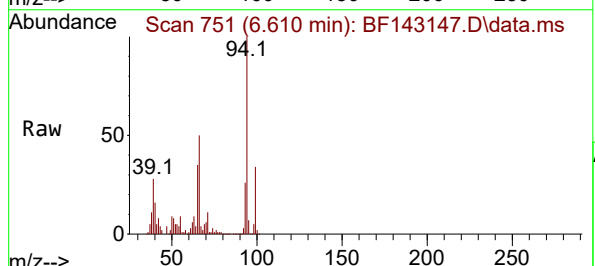
Tgt Ion: 94 Resp: 888041

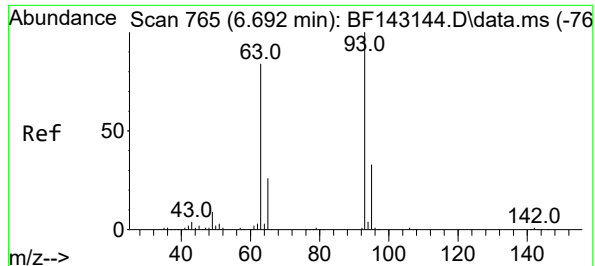
Ion Ratio Lower Upper

94 100

65 34.9 10.0 50.0

66 50.1 20.8 60.8





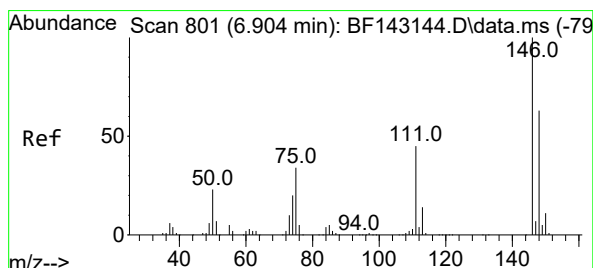
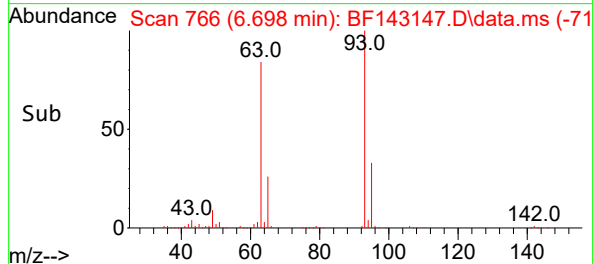
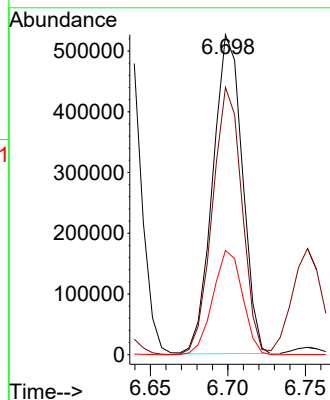
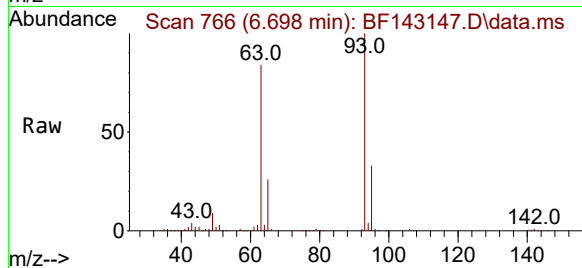
#11
bis(2-Chloroethyl)ether
Concen: 72.503 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 697649
Ion Ratio Lower Upper
93 100
63 83.6 63.4 103.4
95 32.6 12.4 52.4

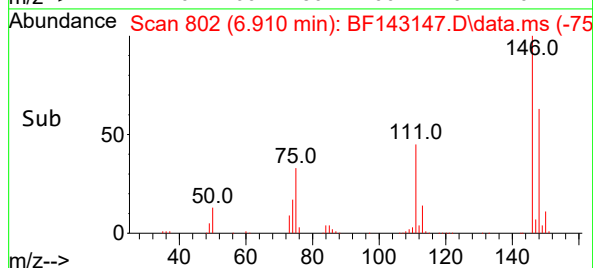
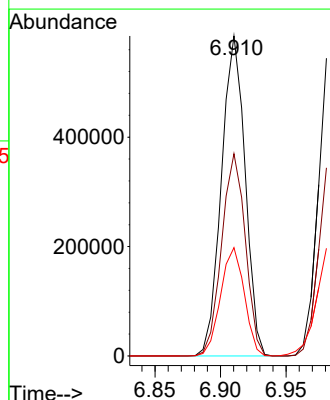
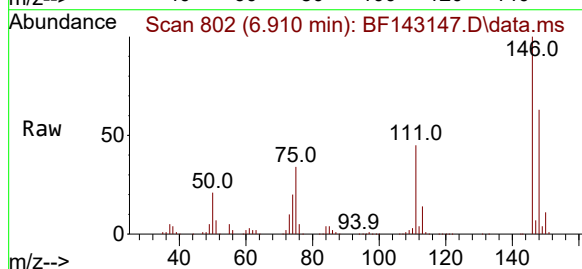
Manual Integrations
APPROVED

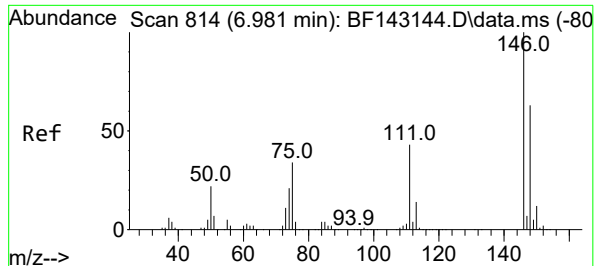
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 734699
Ion Ratio Lower Upper
146 100
148 63.2 50.6 76.0
75 33.9 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 70.360 ng

RT: 6.987 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 739462

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

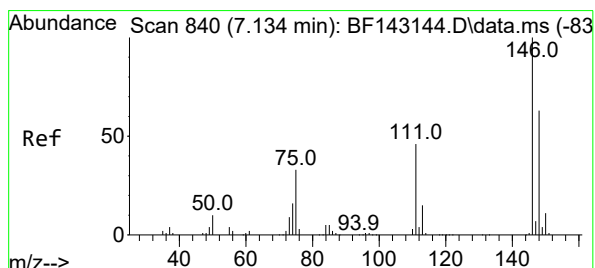
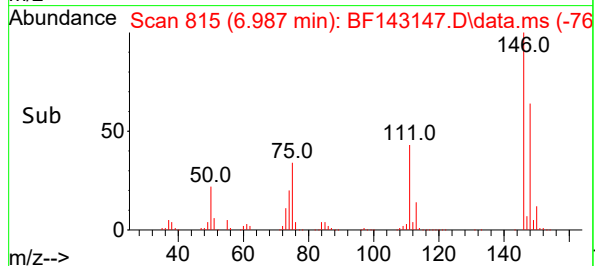
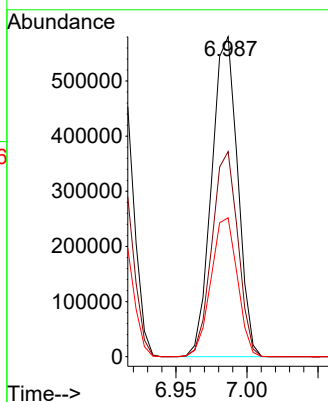
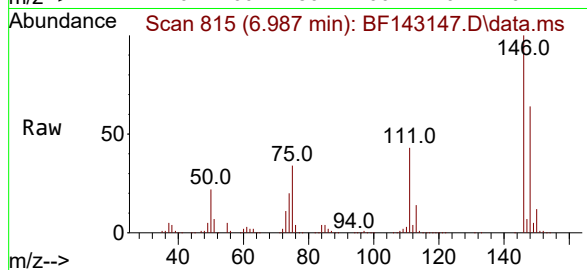
111 43.4 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 70.958 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

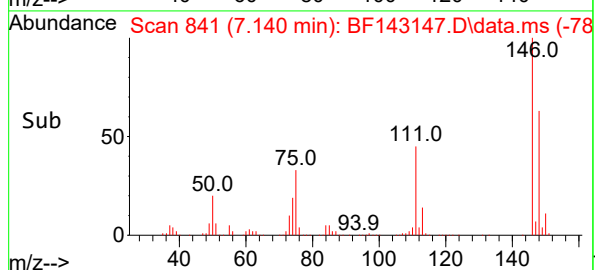
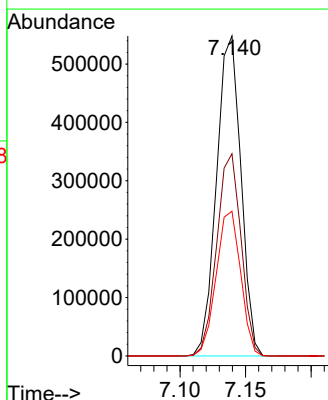
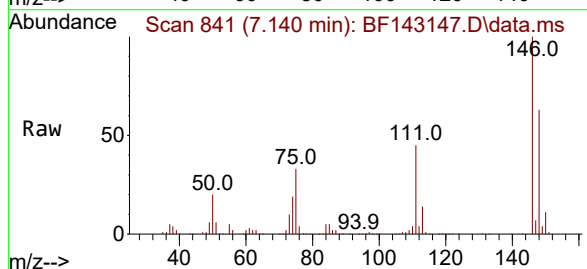
Tgt Ion:146 Resp: 709300

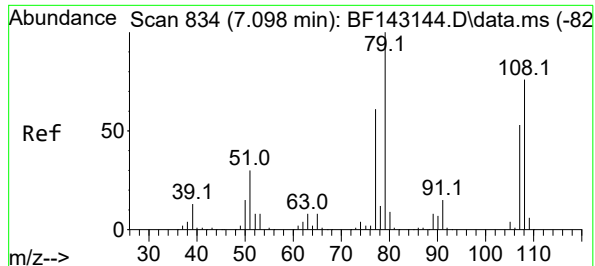
Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 45.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 75.139 ng

RT: 7.104 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 66184

Ion Ratio Lower Upper

79 100

108 75.8 61.1 91.7

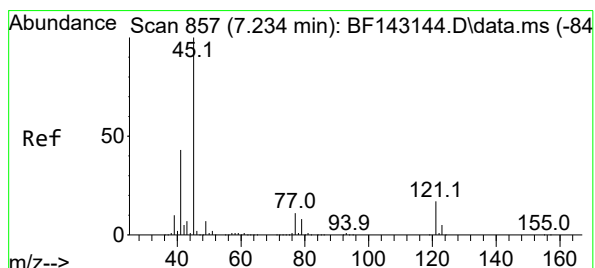
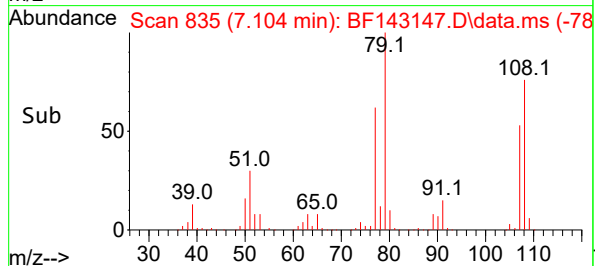
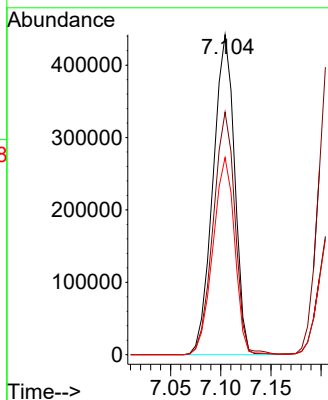
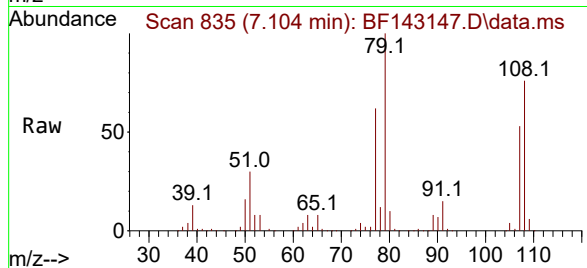
77 61.6 48.9 73.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 70.902 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

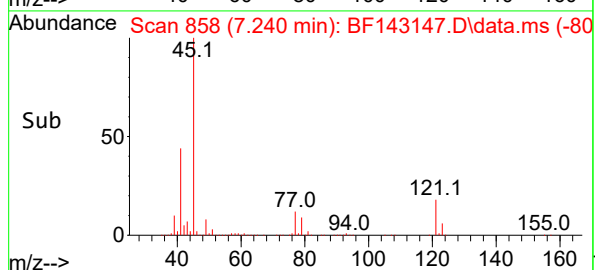
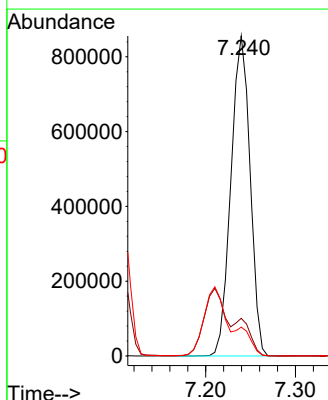
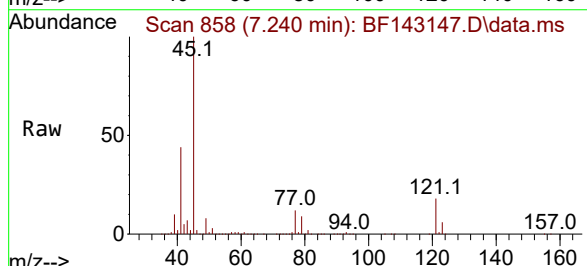
Tgt Ion: 45 Resp: 1265589

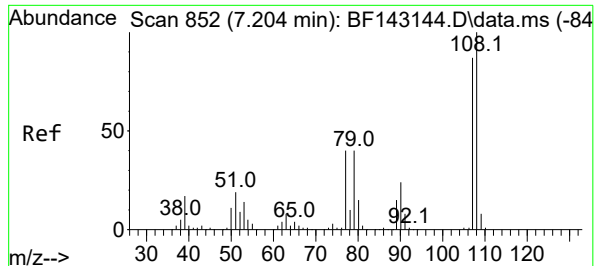
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.2

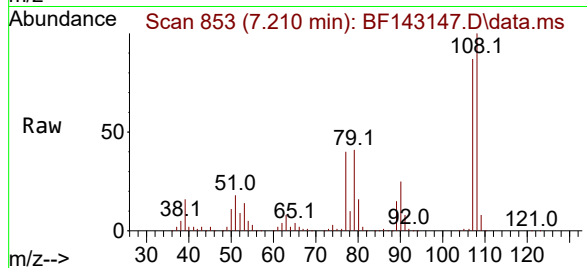
79 9.0 0.0 28.5





#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

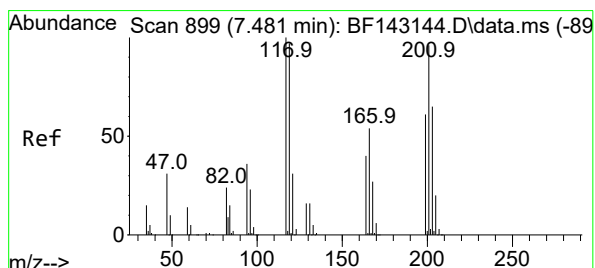
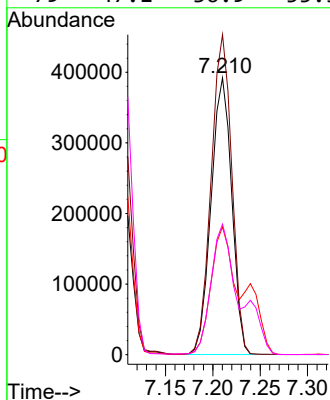
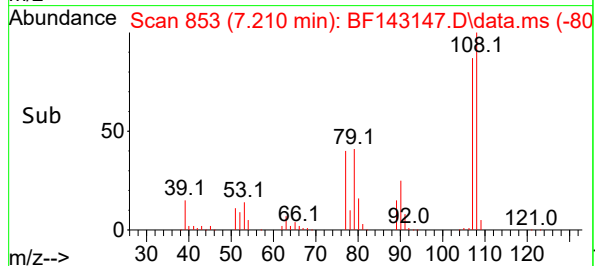
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:107 Resp: 59547
Ion Ratio Lower Upper
107 100
108 115.6 91.8 137.6
77 46.2 37.0 55.6
79 47.1 36.9 55.3

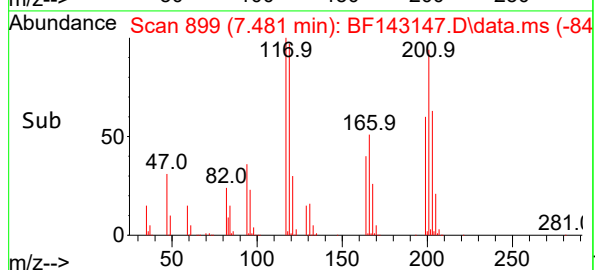
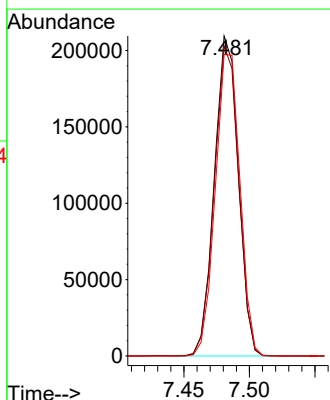
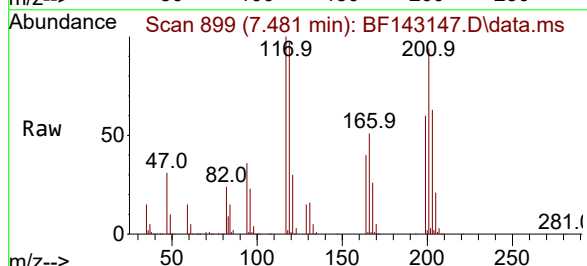
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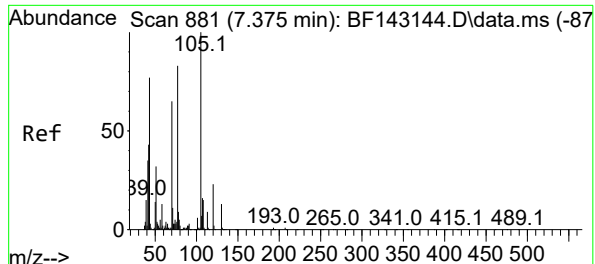
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:117 Resp: 266665
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.8
201 94.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 71.452 ng

RT: 7.387 min Scan# 881

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 528820

Ion Ratio Lower Upper

70 100

42 64.4 52.5 78.7

101 9.9 7.6 11.4

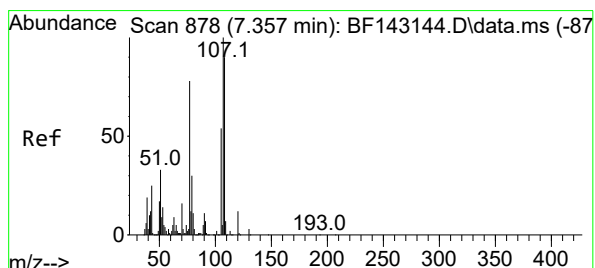
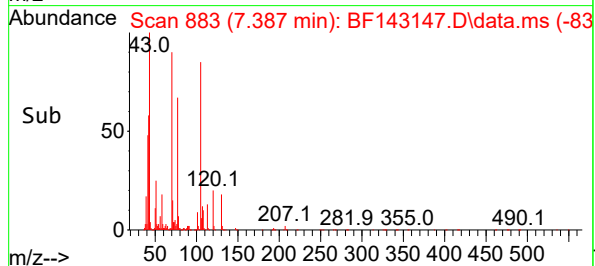
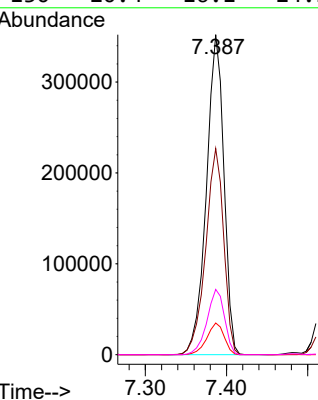
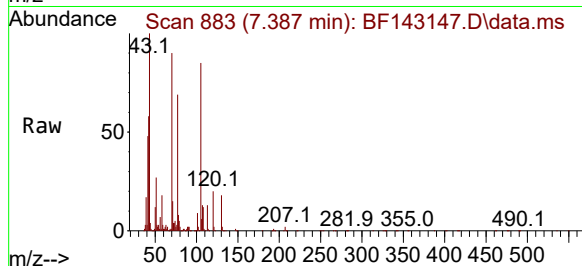
130 20.4 16.1 24.1

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 68.763 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 673906

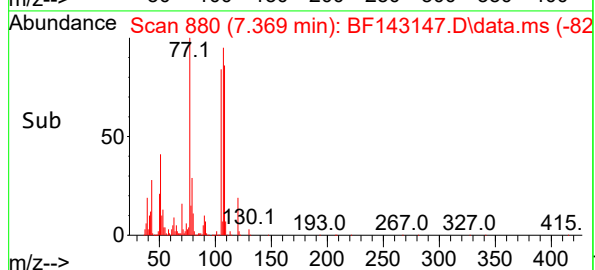
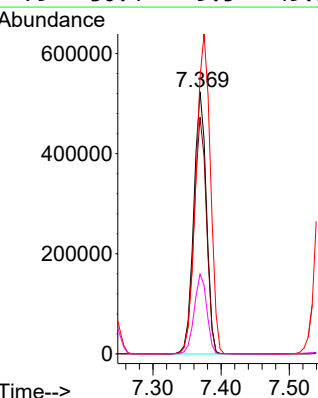
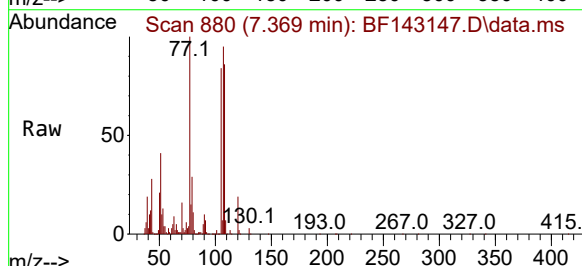
Ion Ratio Lower Upper

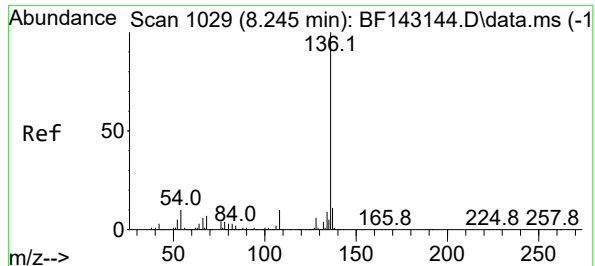
107 100

108 90.3 70.0 110.0

77 105.4 57.8 97.8#

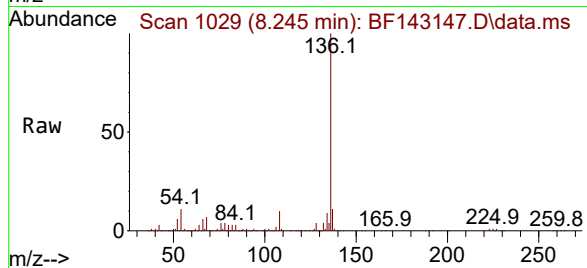
79 30.4 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

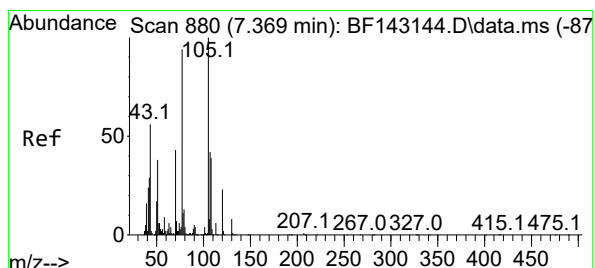
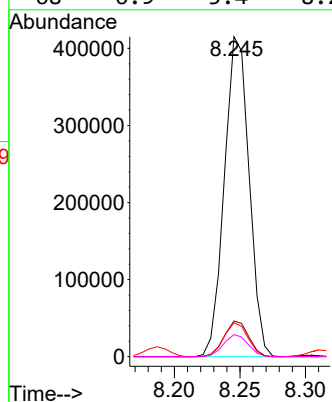
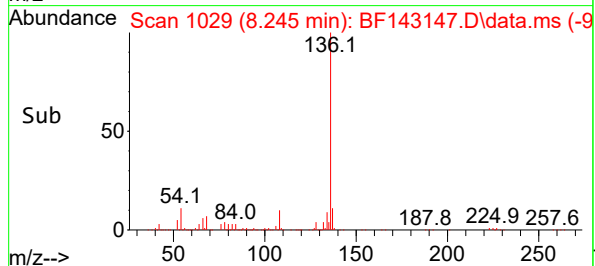
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:136 Resp: 544510
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.6 8.2 12.2
68 6.9 5.4 8.2

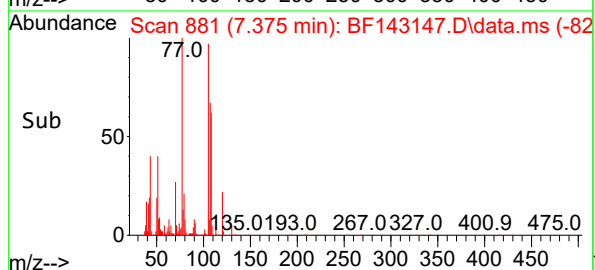
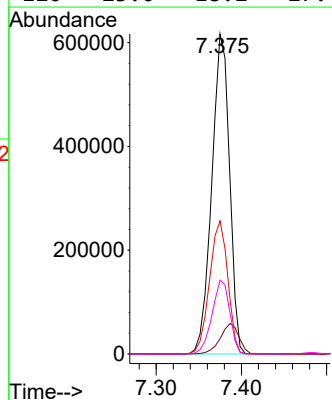
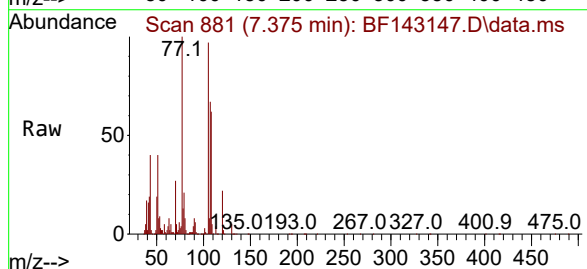
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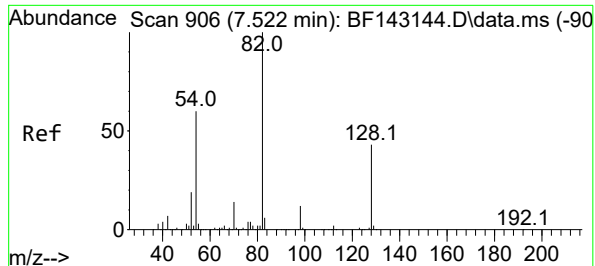
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:105 Resp: 890890
Ion Ratio Lower Upper
105 100
71 4.8 5.8 8.6#
51 41.6 30.2 45.2
120 23.0 18.2 27.4





#23

Nitrobenzene-d5

Concen: 150.551 ng

RT: 7.534 min Scan# 906

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 164458

Ion Ratio Lower Upper

82 100

128 43.4 33.6 50.4

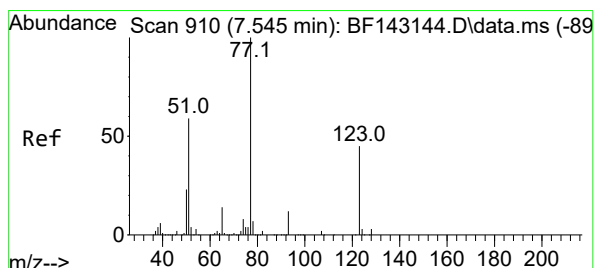
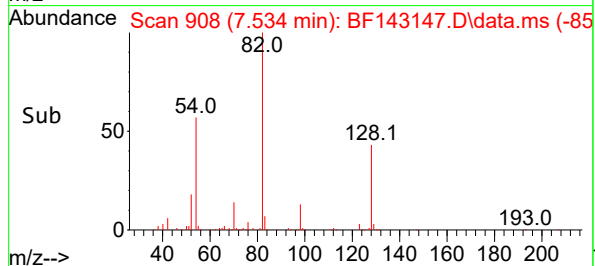
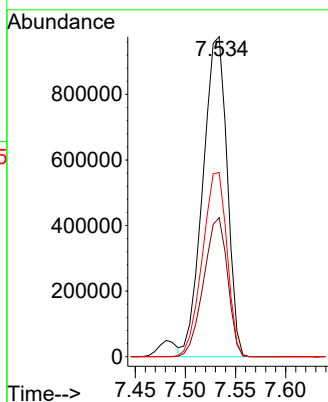
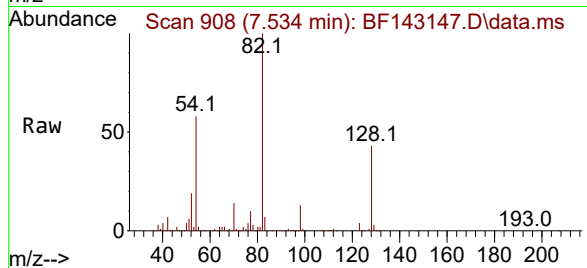
54 57.5 47.1 70.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 73.836 ng

RT: 7.551 min Scan# 911

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

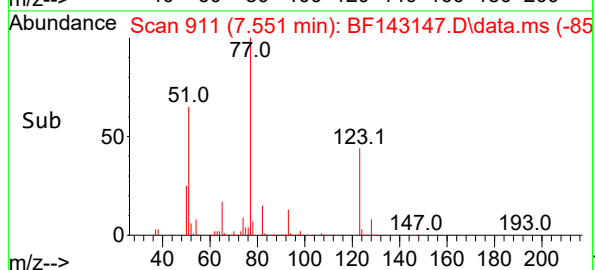
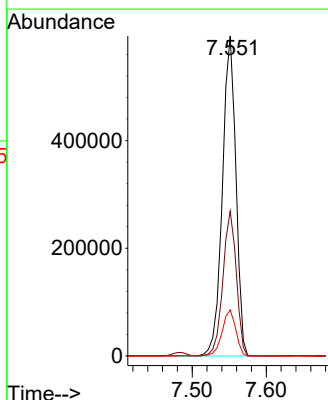
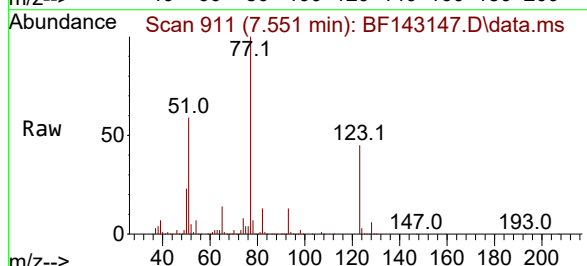
Tgt Ion: 77 Resp: 751964

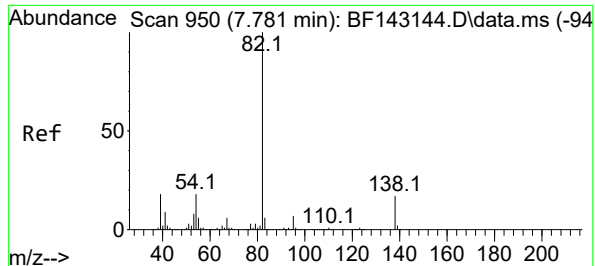
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

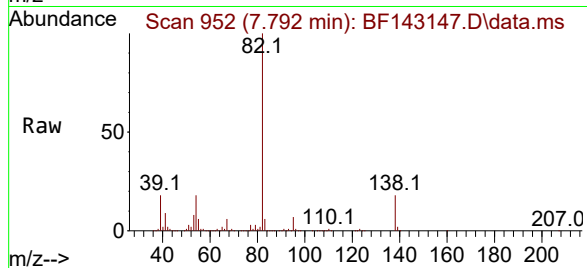
65 14.4 11.4 17.2





#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 952
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

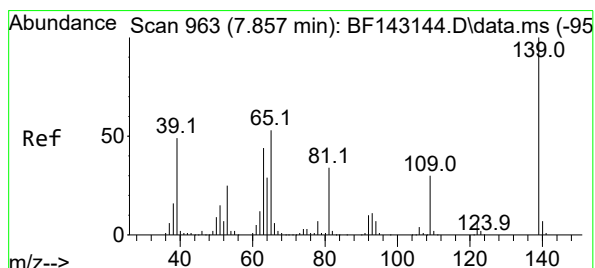
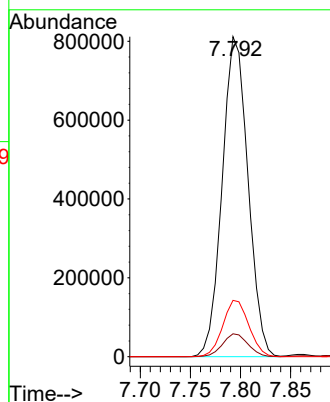
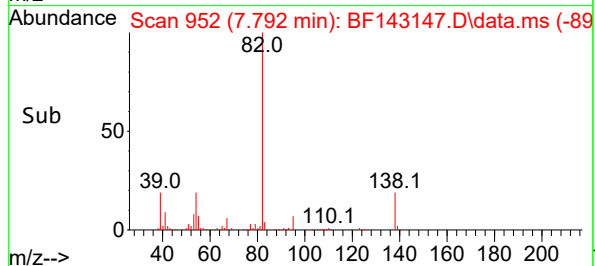
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 82 Resp: 145335
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 17.6 13.8 20.8

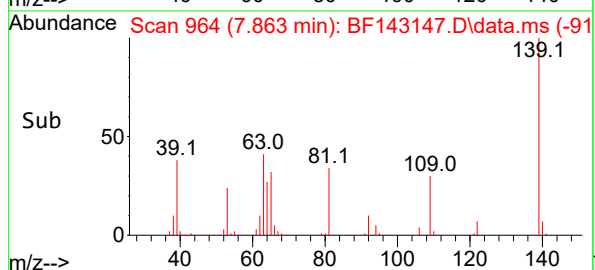
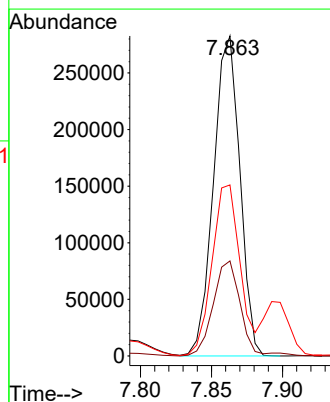
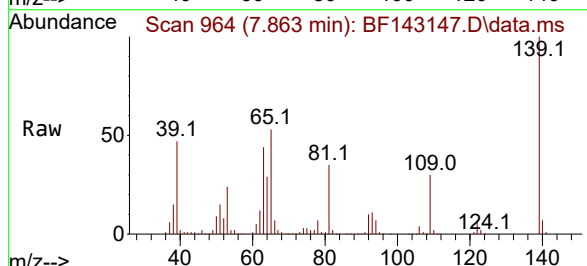
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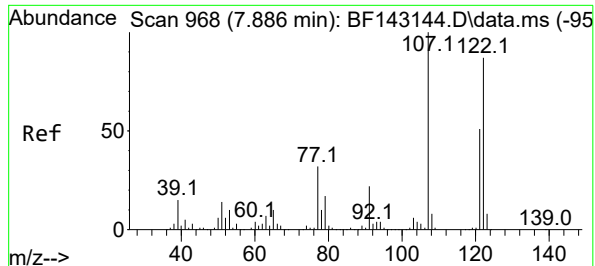
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951
Ion Ratio Lower Upper
139 100
109 29.7 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 72.050 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 64914

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

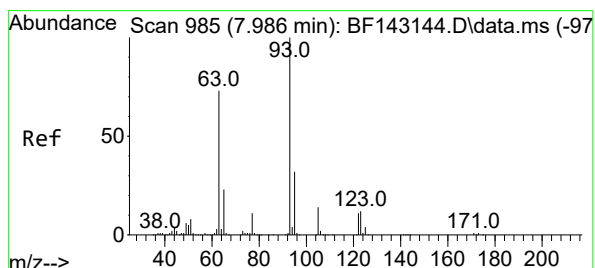
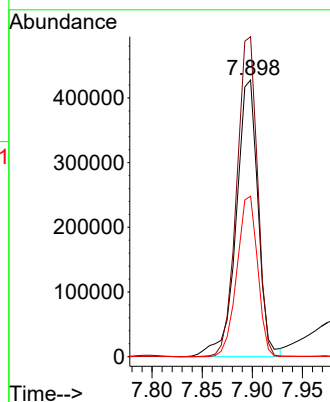
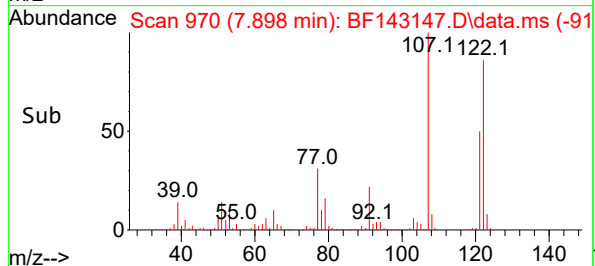
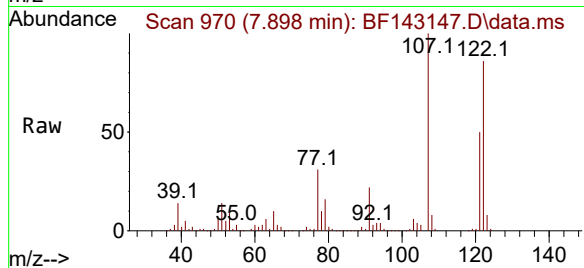
121 58.0 46.3 69.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 72.134 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

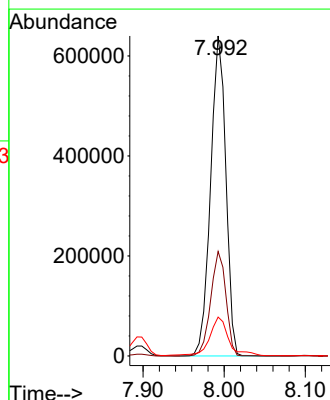
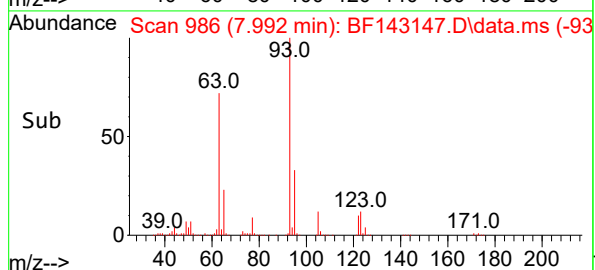
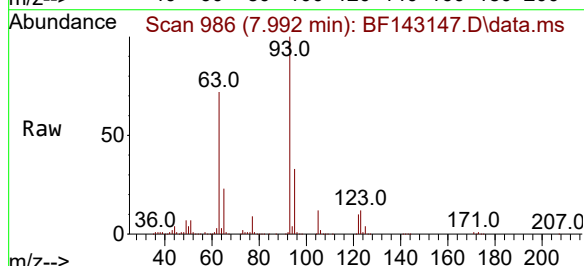
Tgt Ion: 93 Resp: 834021

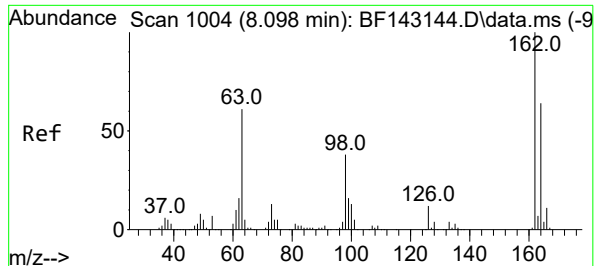
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 73.527 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143147.D

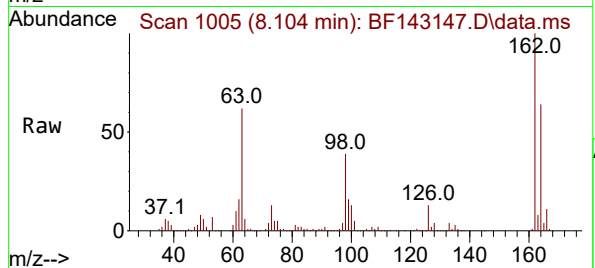
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:162 Resp: 55866

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

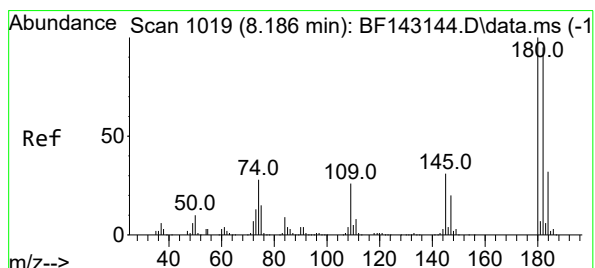
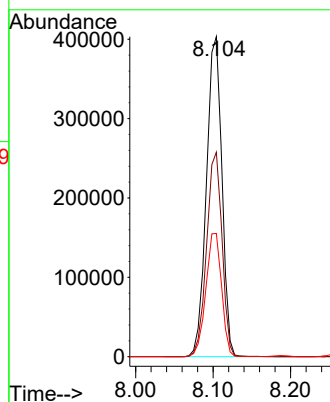
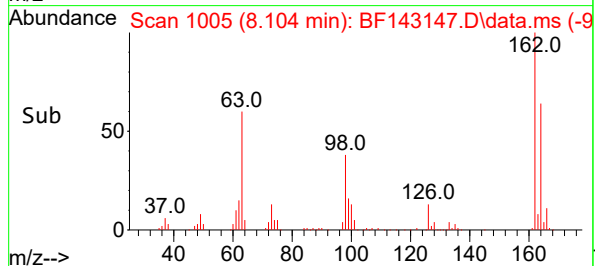
98 38.5 17.9 57.9

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

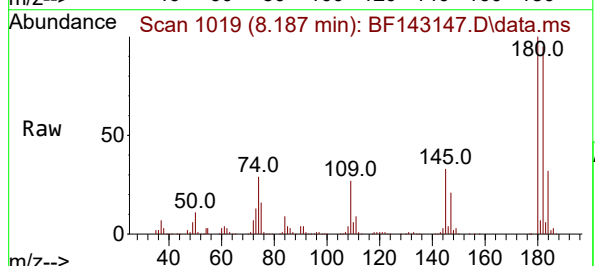
Concen: 71.673 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34



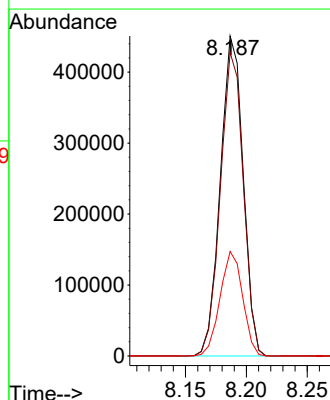
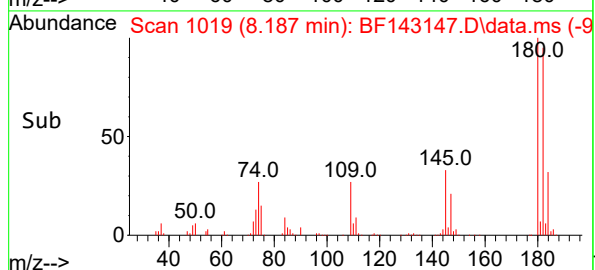
Tgt Ion:180 Resp: 588333

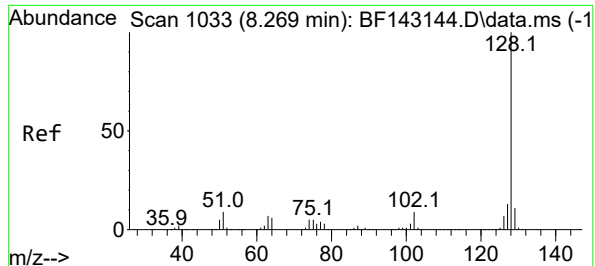
Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

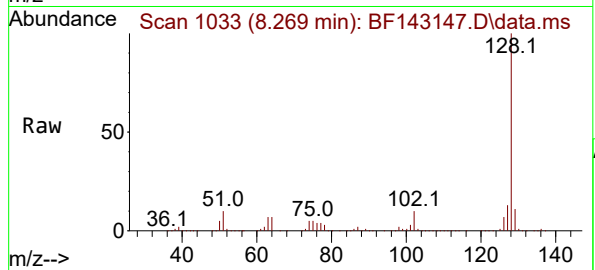
145 32.7 25.0 37.6





#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

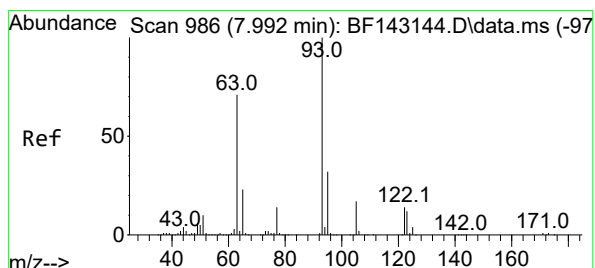
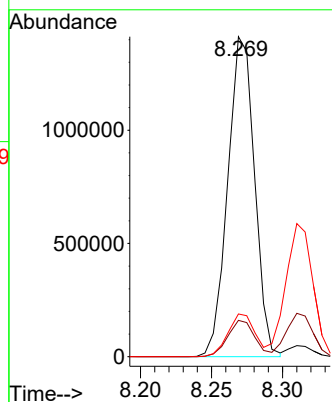
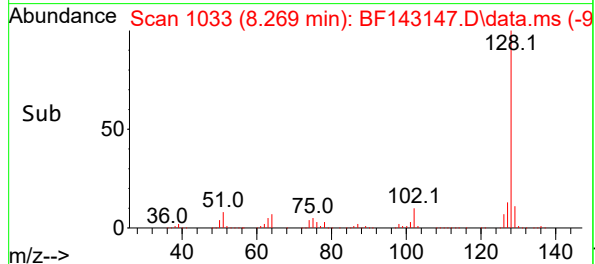
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 185438
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.6 16.0

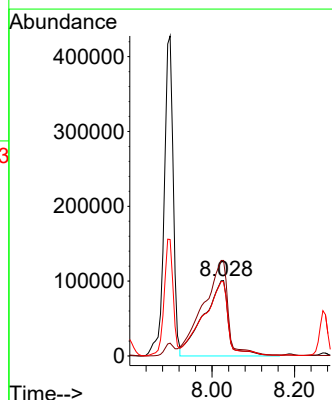
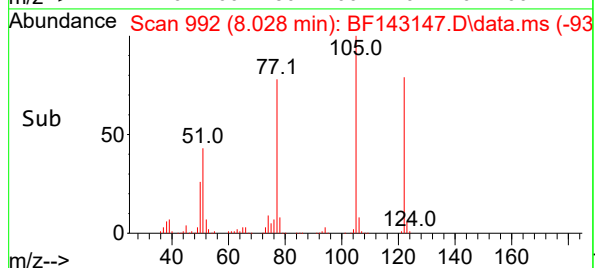
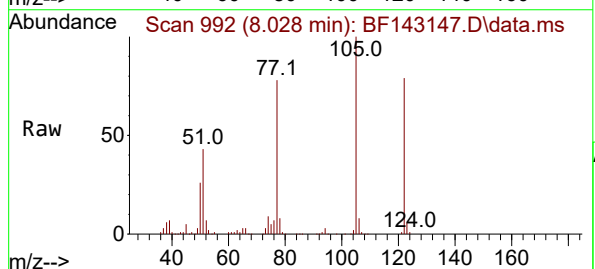
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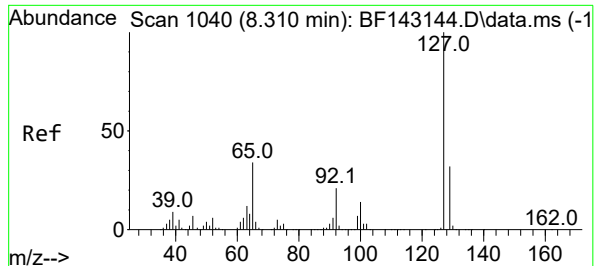
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 79.801 ng m
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

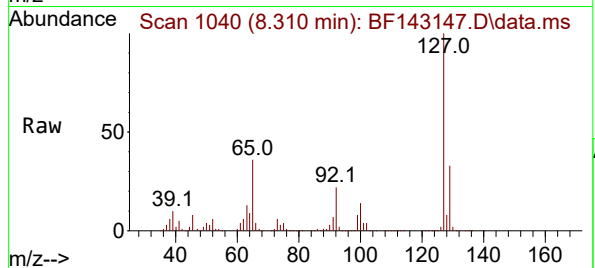
Tgt Ion:122 Resp: 423625
Ion Ratio Lower Upper
122 100
105 126.7 104.8 144.8
77 98.6 77.6 117.6





#33
4-Chloroaniline
Concen: 71.895 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

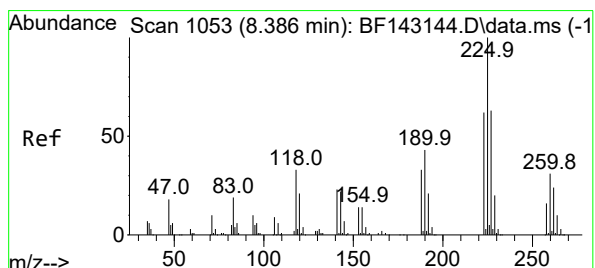
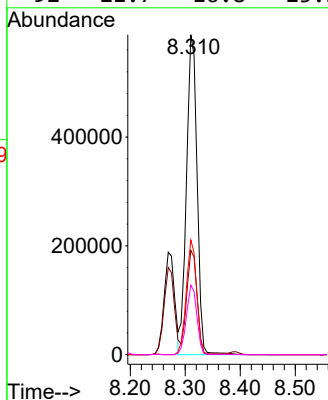
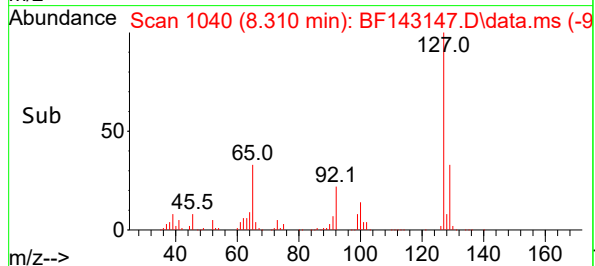
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



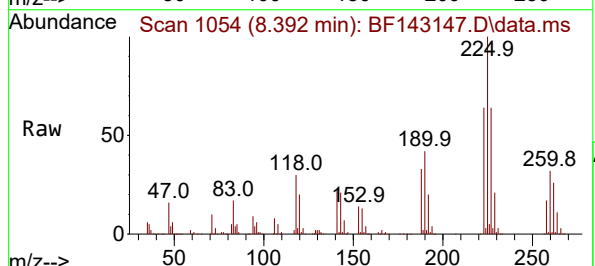
Tgt Ion:127 Resp: 78724
Ion Ratio Lower Upper
127 100
129 32.6 26.0 39.0
65 35.9 27.4 41.2
92 21.7 16.8 25.2

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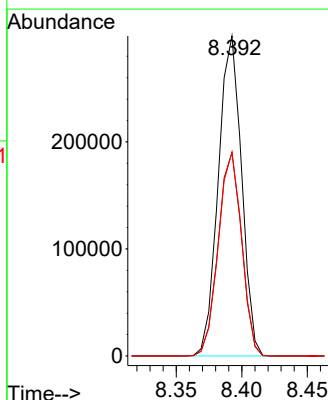
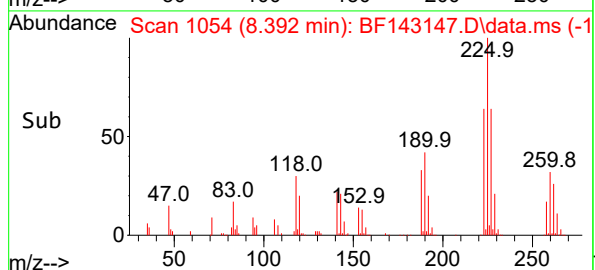
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

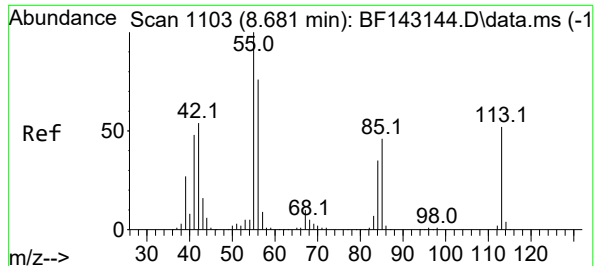


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



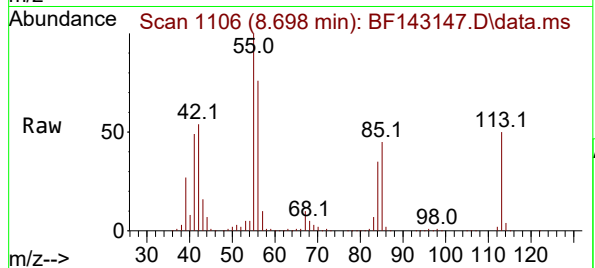
Tgt Ion:225 Resp: 368327
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.6
227 63.7 50.2 75.4





#35
 Caprolactam
 Concen: 77.644 ng
 RT: 8.698 min Scan# 1106
 Delta R.T. 0.018 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

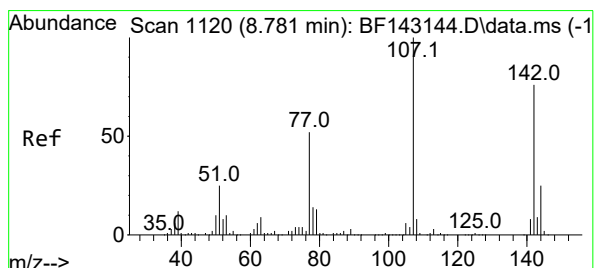
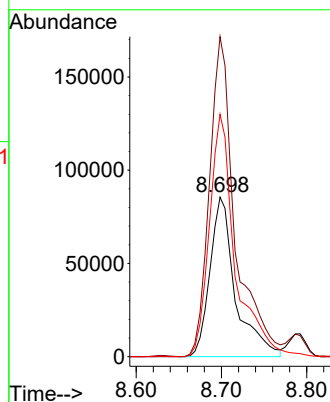
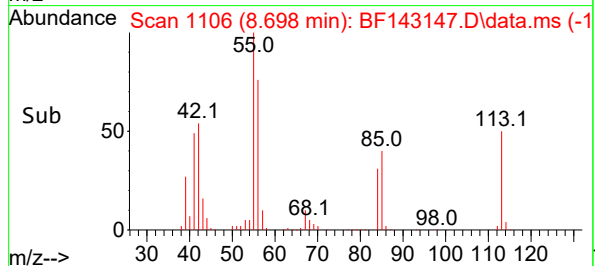
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080



Tgt Ion:113 Resp: 17827
 Ion Ratio Lower Upper
 113 100
 55 200.6 174.0 214.0
 56 152.0 126.6 166.6

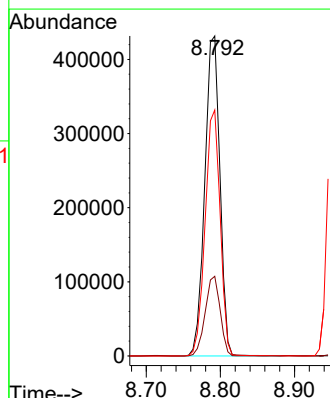
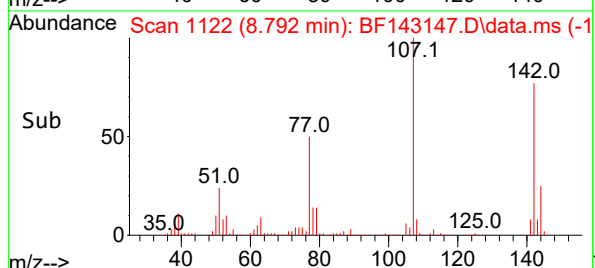
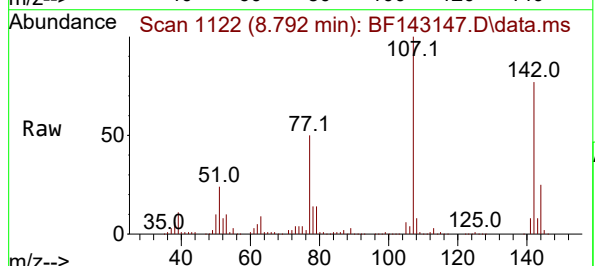
Manual Integrations
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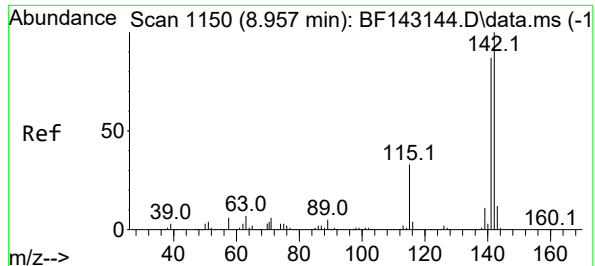
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#36
 4-Chloro-3-methylphenol
 Concen: 74.354 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143147.D
 Acq: 17 Jul 2025 14:34

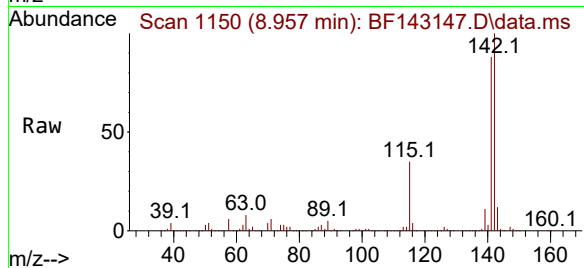
Tgt Ion:107 Resp: 614048
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.8 29.6
 142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

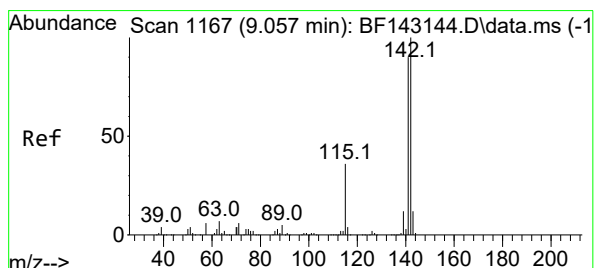
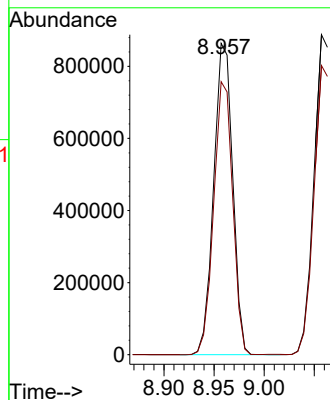
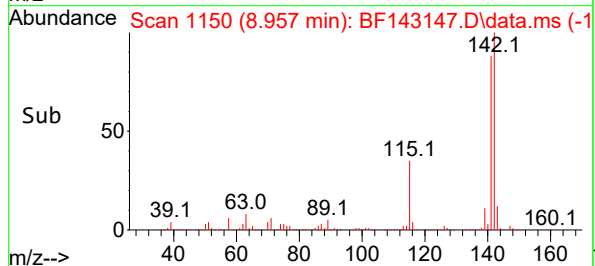
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:142 Resp: 1137170
Ion Ratio Lower Upper
142 100
141 87.7 69.9 104.9

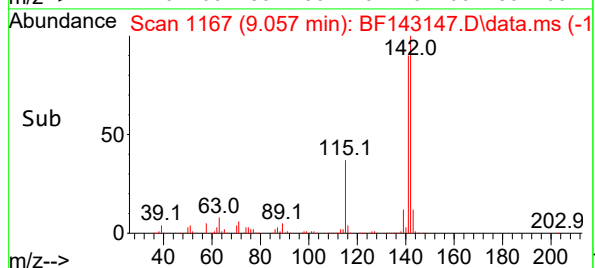
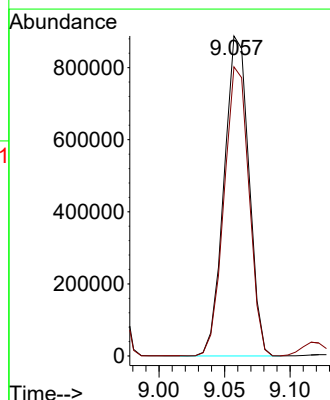
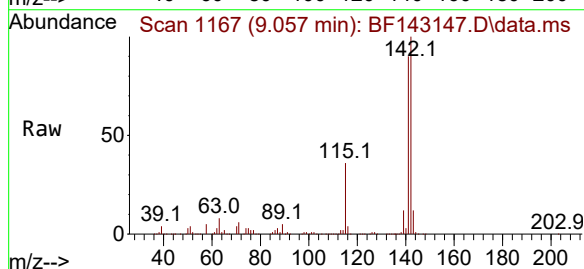
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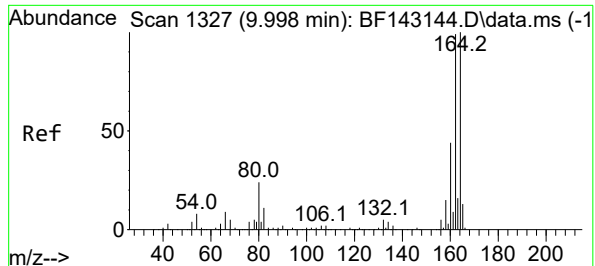
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702
Ion Ratio Lower Upper
142 100
141 90.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:164 Resp: 275619

Ion Ratio Lower Upper

164 100

162 99.2 79.0 118.6

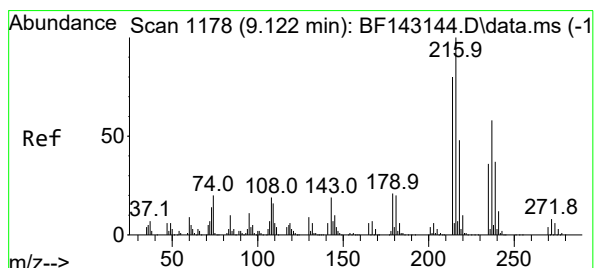
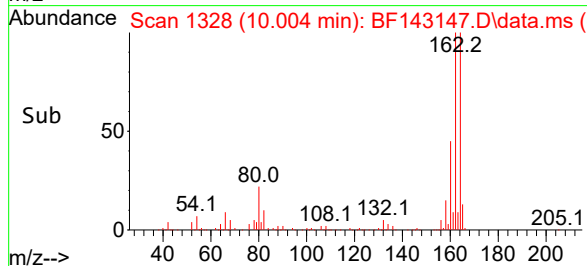
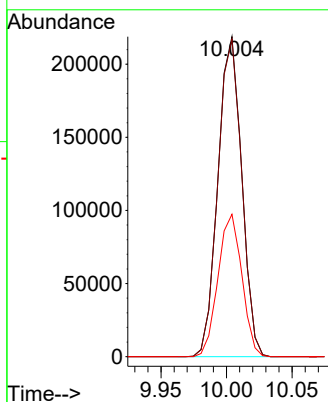
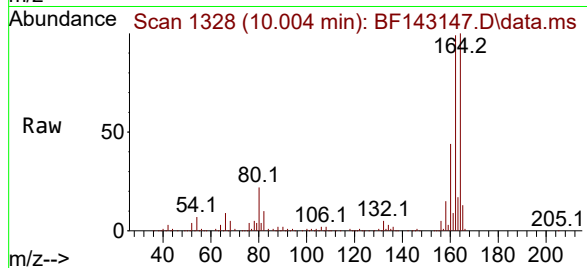
160 44.5 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 71.389 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070

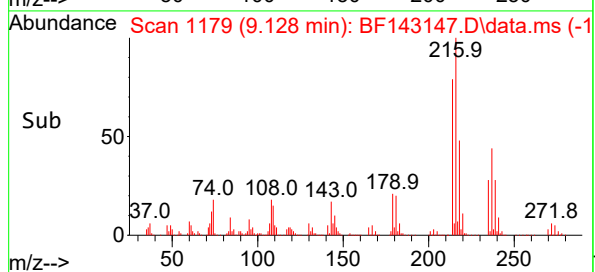
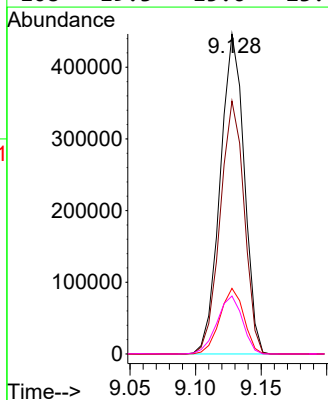
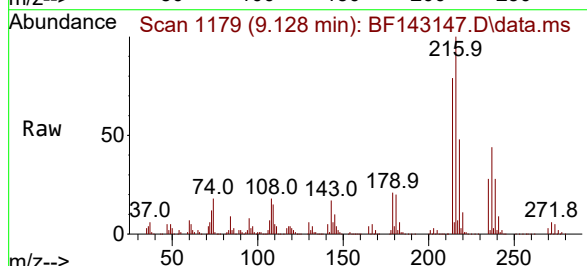
Ion Ratio Lower Upper

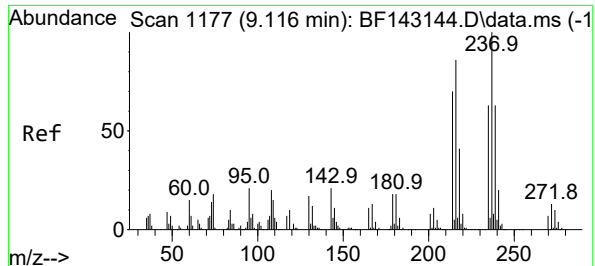
216 100

214 78.9 63.8 95.8

179 20.4 16.4 24.6

108 19.3 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 79.719 ng

RT: 9.122 min Scan# 1177

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:237 Resp: 412750

Ion Ratio Lower Upper

237 100

235 63.2 43.0 83.0

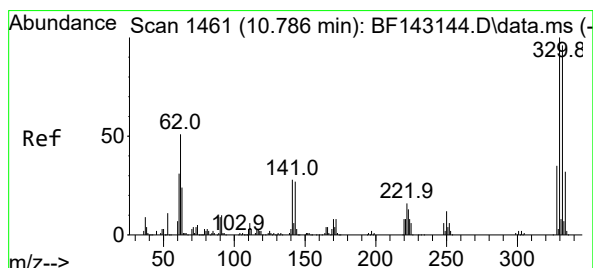
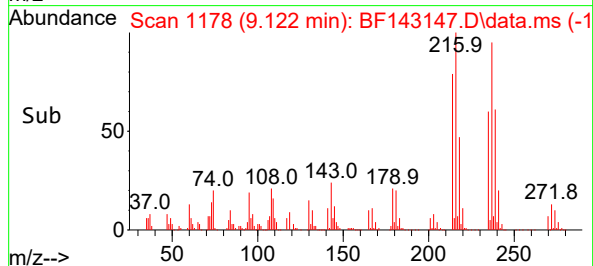
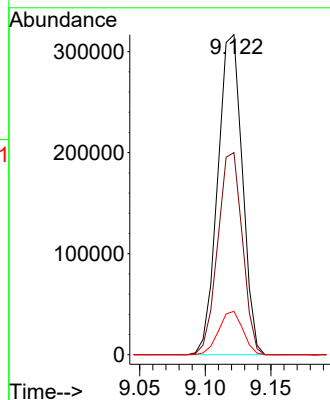
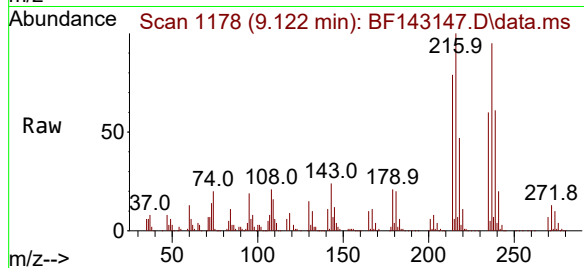
272 13.6 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 153.498 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

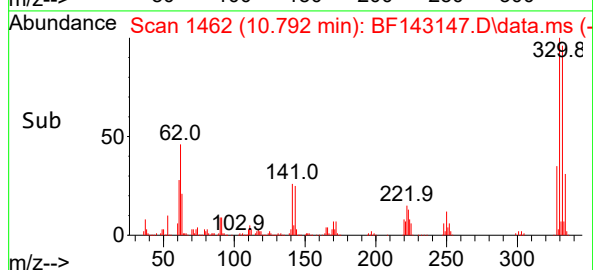
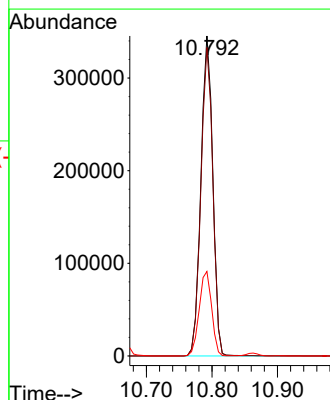
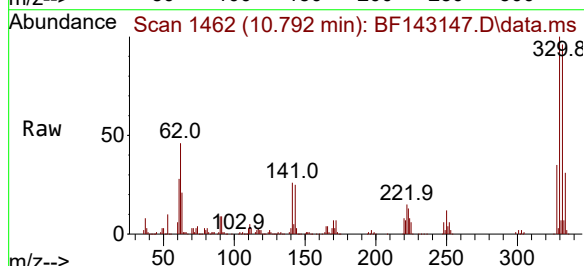
Tgt Ion:330 Resp: 437054

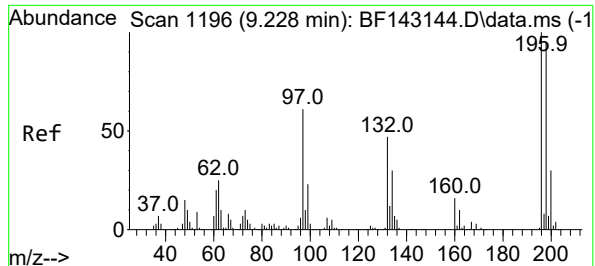
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 27.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 74.838 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143147.D

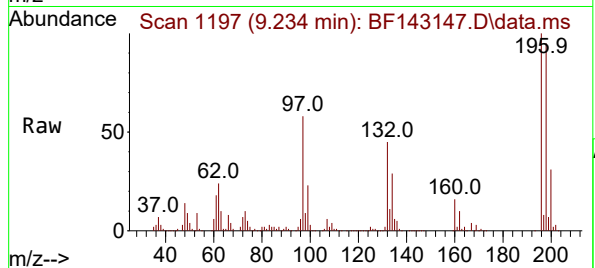
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:196 Resp: 412148

Ion Ratio Lower Upper

196 100

198 95.2 76.2 114.2

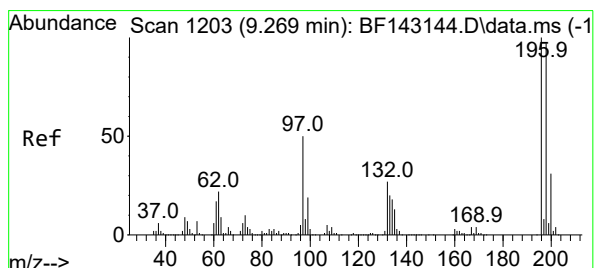
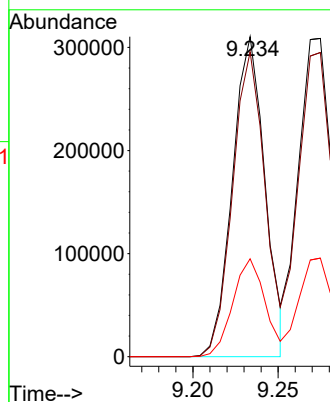
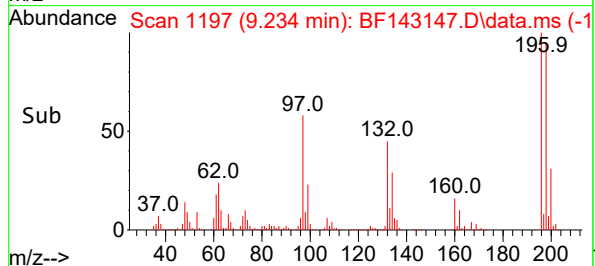
200 30.6 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

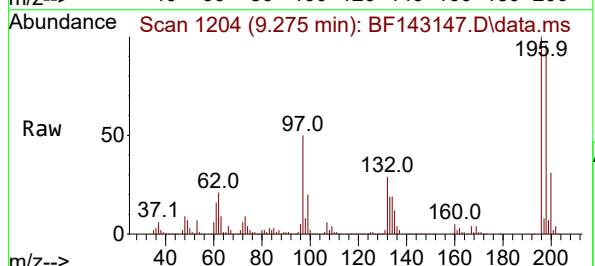
Concen: 76.888 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34



Tgt Ion:196 Resp: 423565

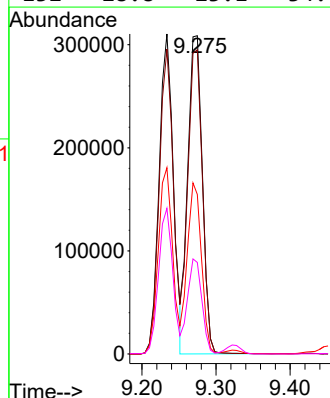
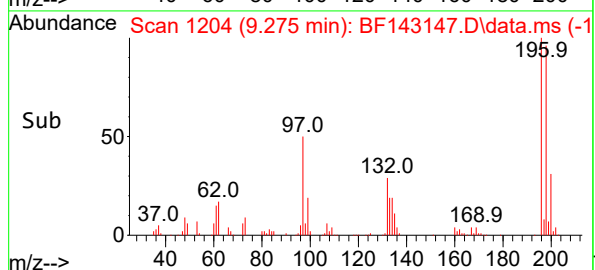
Ion Ratio Lower Upper

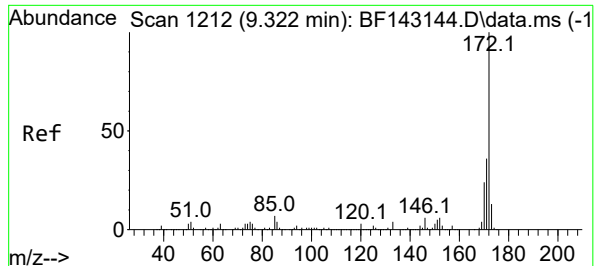
196 100

198 95.6 77.3 115.9

97 50.1 40.3 60.5

132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 130.157 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 262307

Ion Ratio Lower Upper

172 100

171 36.0 28.6 42.8

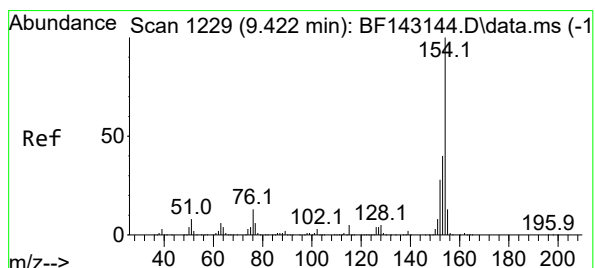
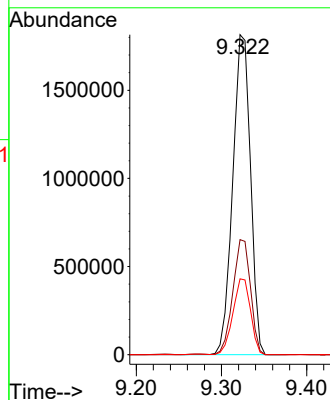
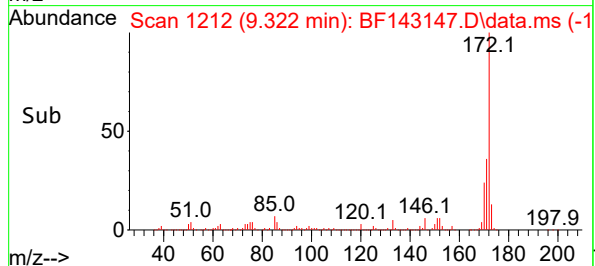
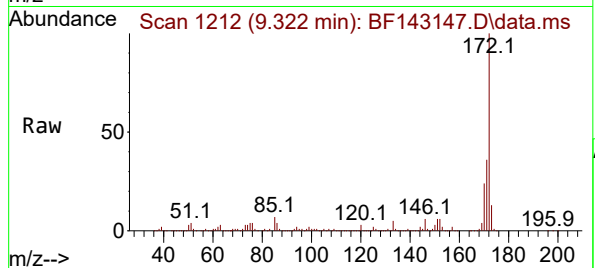
170 23.7 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 69.388 ng

RT: 9.428 min Scan# 1230

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

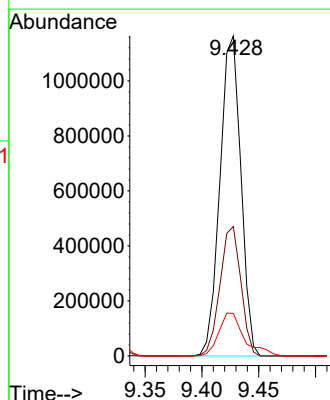
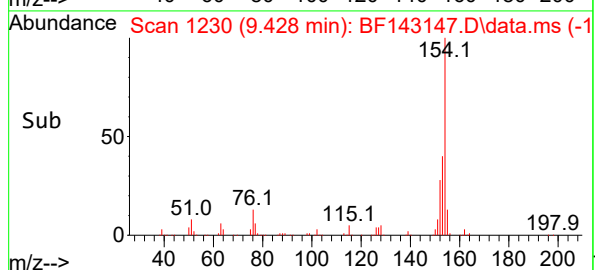
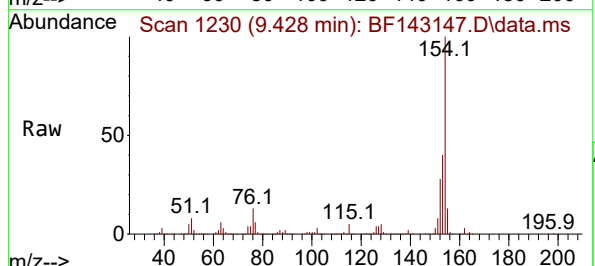
Tgt Ion:154 Resp: 1492094

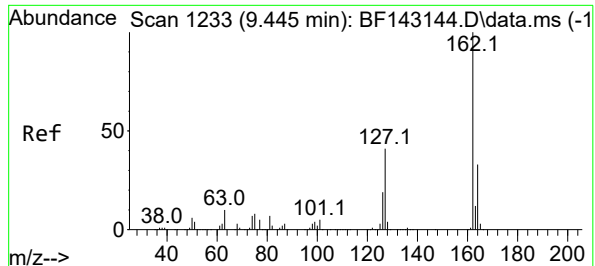
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 71.122 ng

RT: 9.451 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 1131620

Ion Ratio Lower Upper

162 100

127 42.2 33.4 50.2

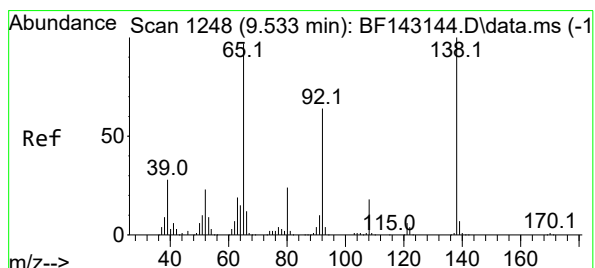
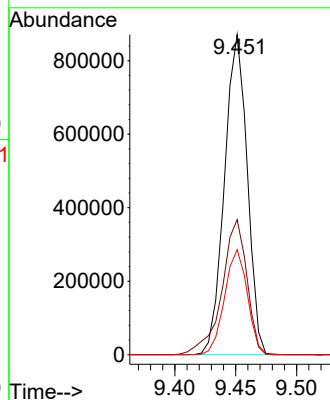
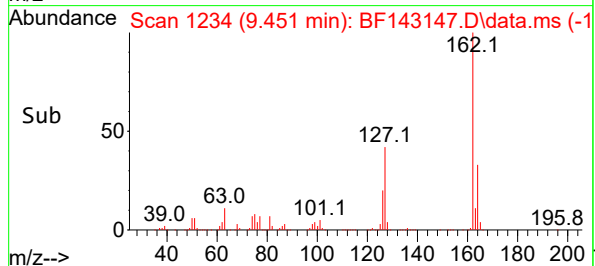
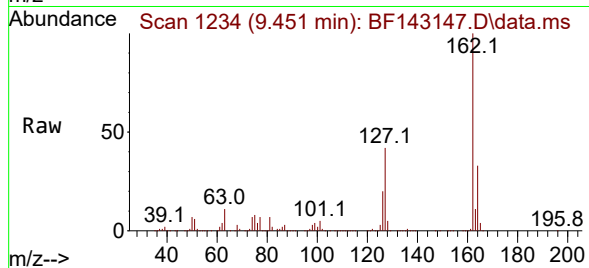
164 32.8 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

Concen: 80.971 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

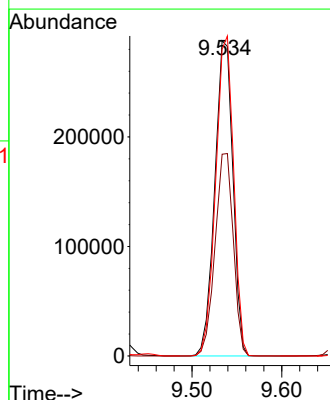
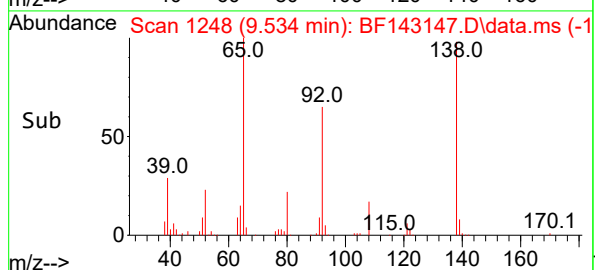
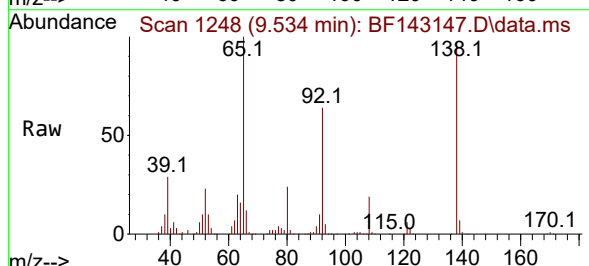
Tgt Ion: 65 Resp: 404023

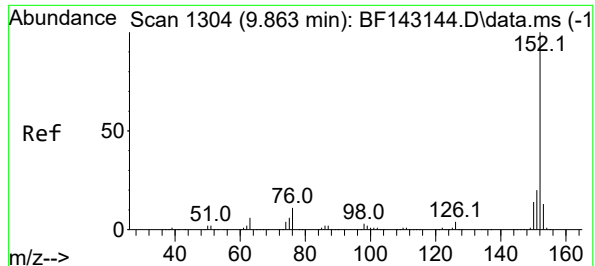
Ion Ratio Lower Upper

65 100

92 64.0 52.4 78.6

138 97.3 82.3 123.5





#49

Acenaphthylene

Concen: 70.057 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 1868062

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

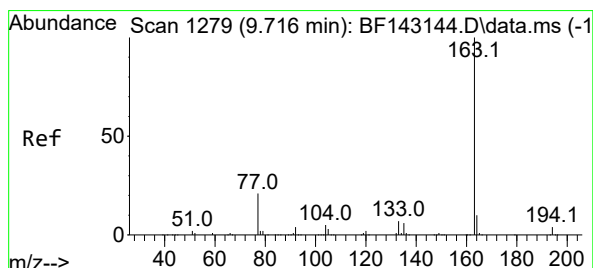
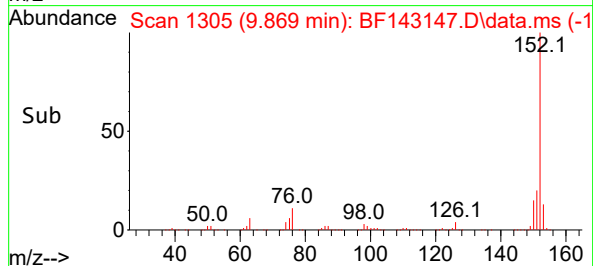
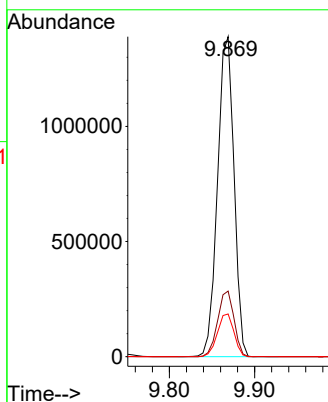
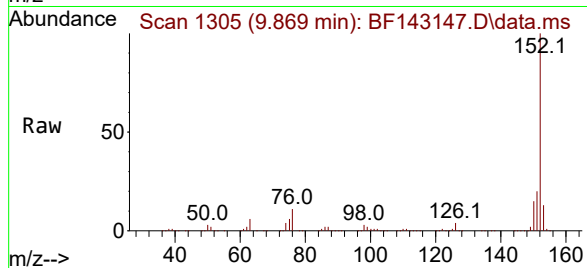
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 71.723 ng

RT: 9.728 min Scan# 1281

Delta R.T. 0.012 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

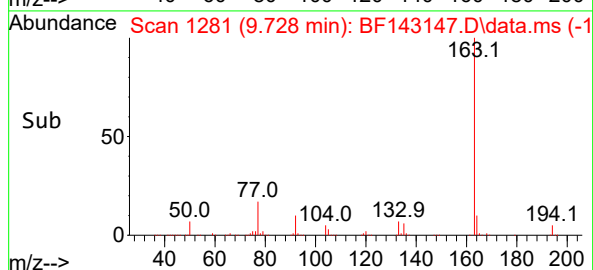
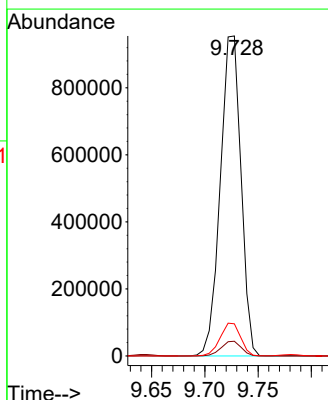
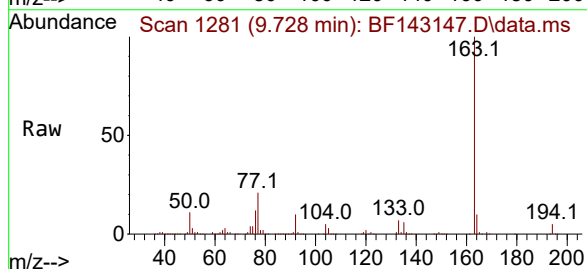
Tgt Ion:163 Resp: 1288559

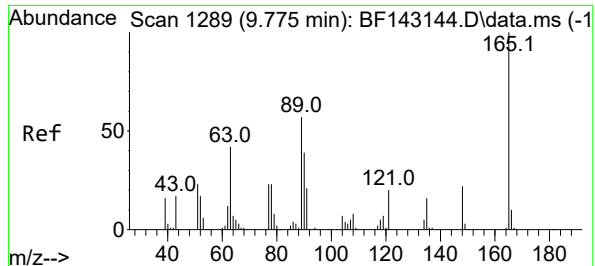
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

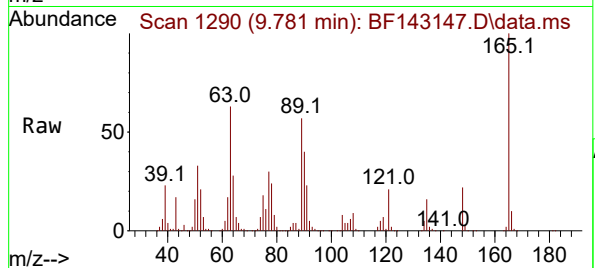
164 10.0 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

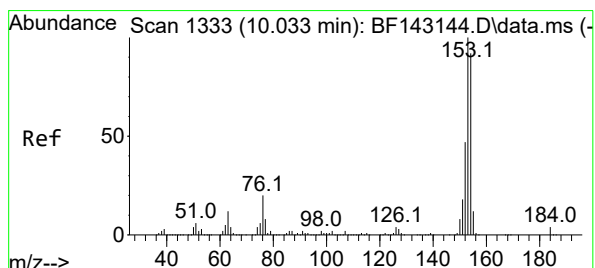
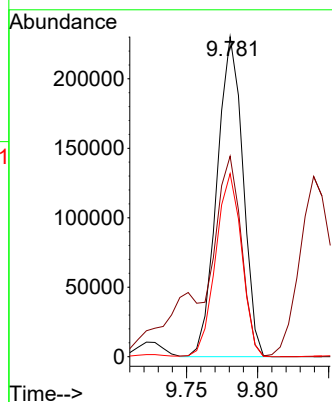
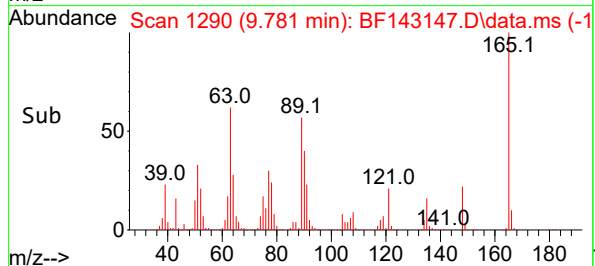
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 292718
Ion Ratio Lower Upper
165 100
63 62.6 49.4 74.2
89 57.2 46.2 69.2

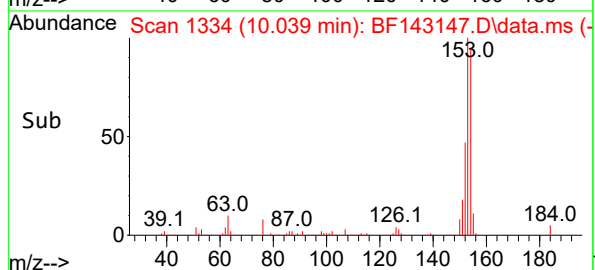
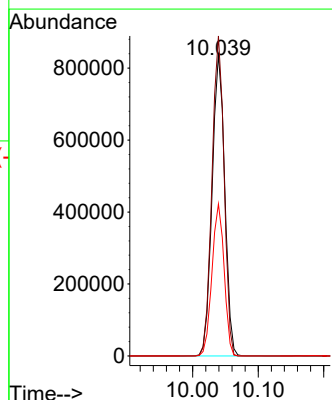
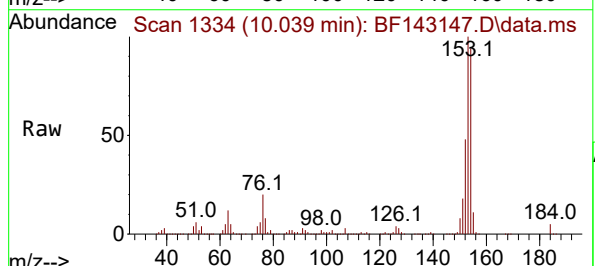
Manual Integrations
APPROVED

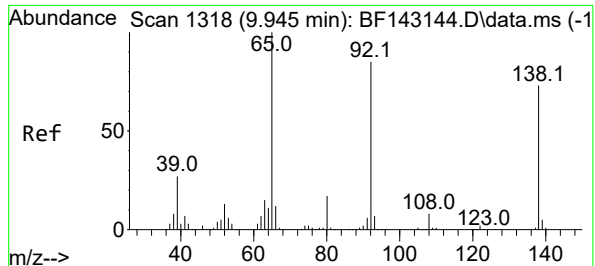
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1120315
Ion Ratio Lower Upper
154 100
153 106.1 86.6 129.8
152 50.4 40.4 60.6





#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

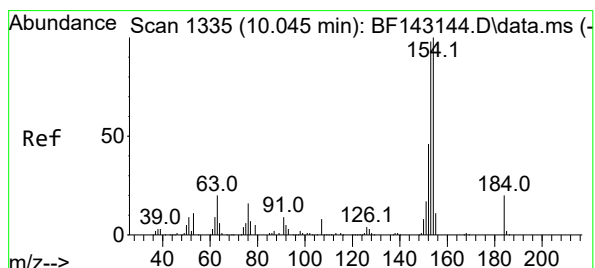
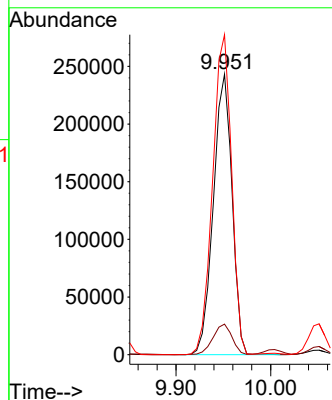
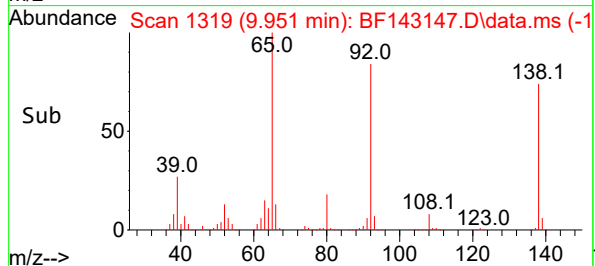
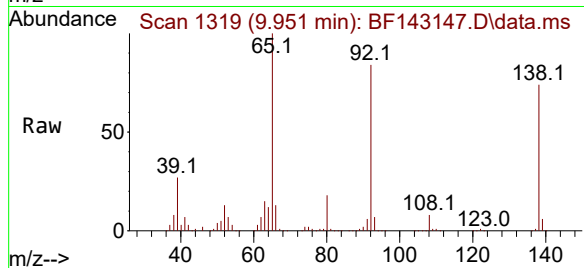
SSTDICC080

Tgt Ion:138 Resp: 333980
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 114.1 93.0 139.4

Manual Integrations

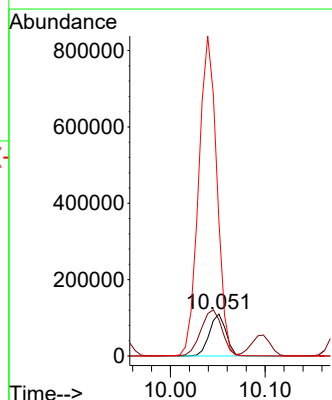
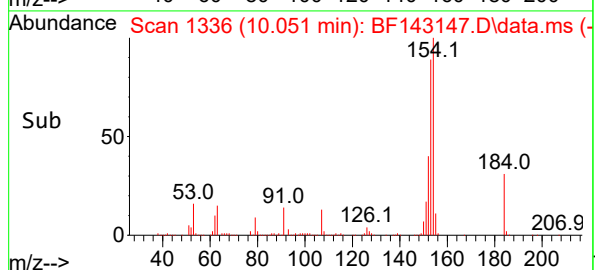
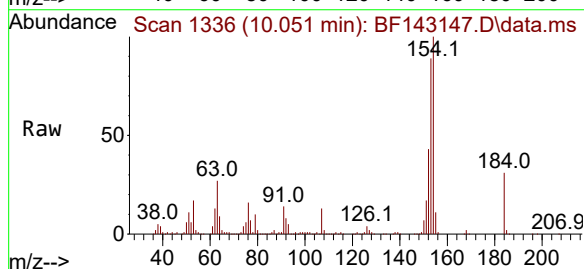
APPROVED

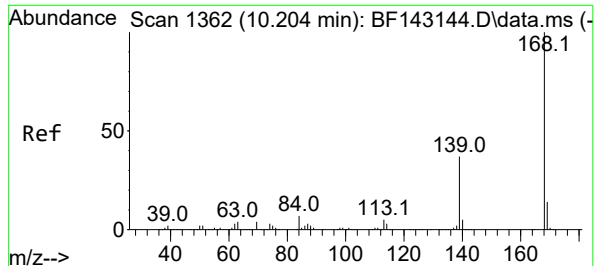
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

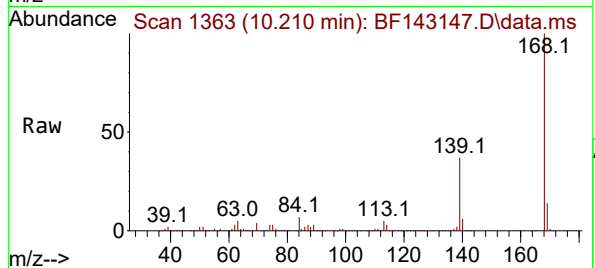
Tgt Ion:184 Resp: 133446
Ion Ratio Lower Upper
184 100
63 86.6 81.8 122.6
154 321.6 412.2 618.4#





#55
Dibenzenofuran
Concen: 69.038 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

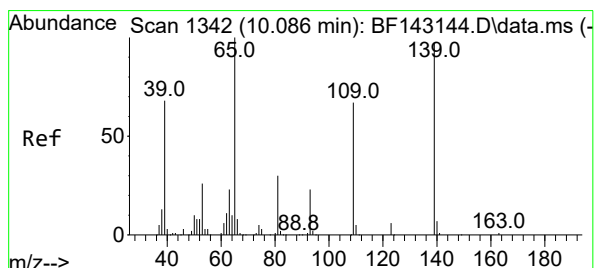
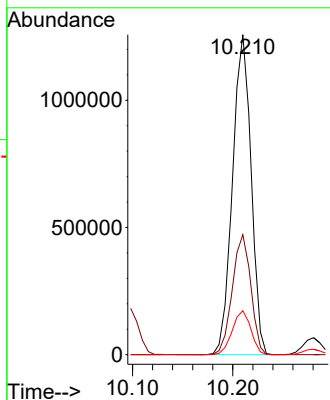
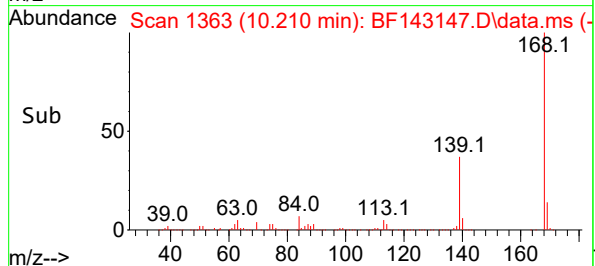
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 1615399
Ion Ratio Lower Upper
168 100
139 37.5 29.5 44.3
169 13.8 10.9 16.3

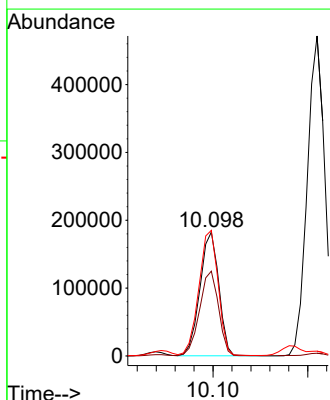
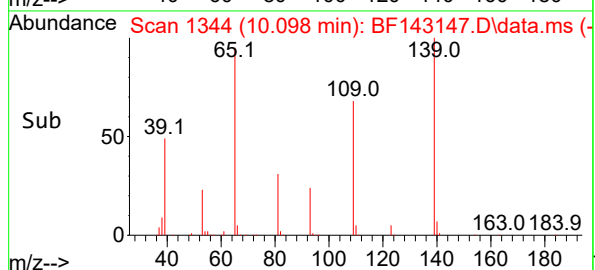
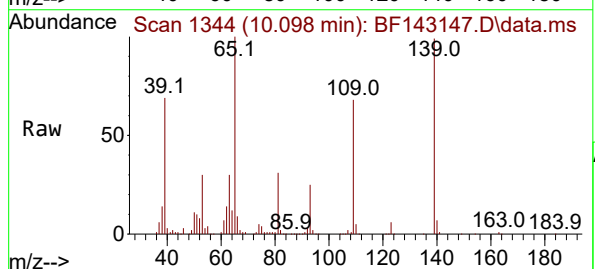
Manual Integrations
APPROVED

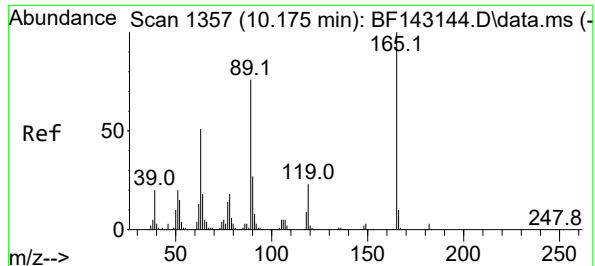
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

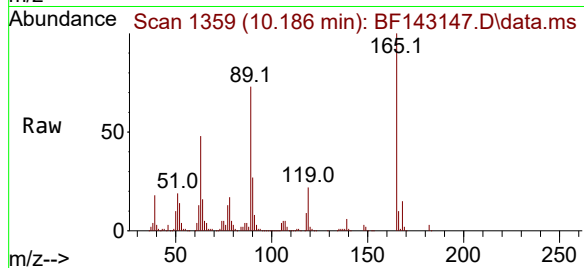
Tgt Ion:139 Resp: 252698
Ion Ratio Lower Upper
139 100
109 68.4 48.5 88.5
65 101.3 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

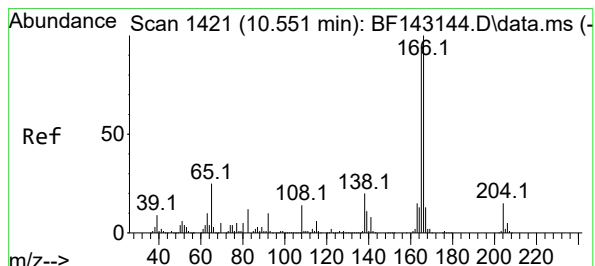
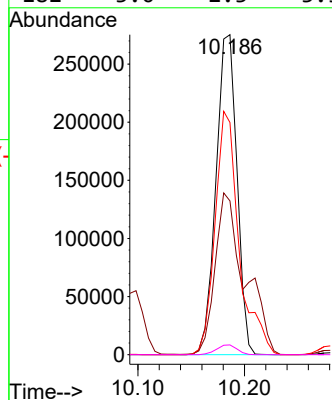
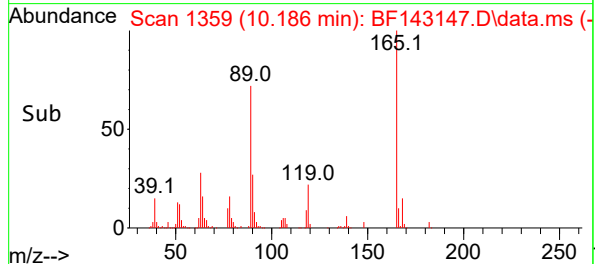
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 376124
Ion Ratio Lower Upper
165 100
63 48.1 41.0 61.4
89 72.5 61.1 91.7
182 3.0 2.3 3.5

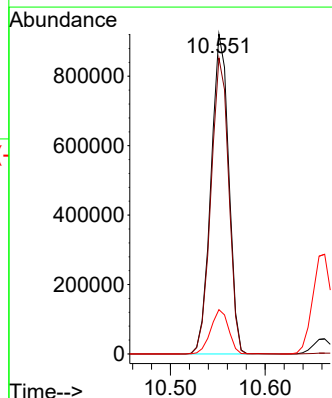
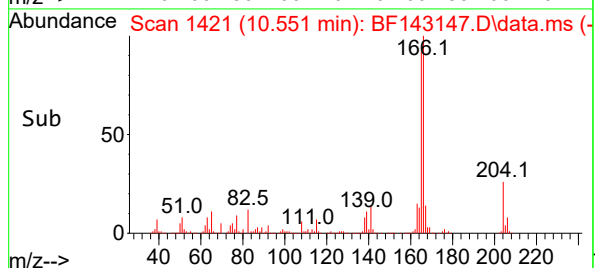
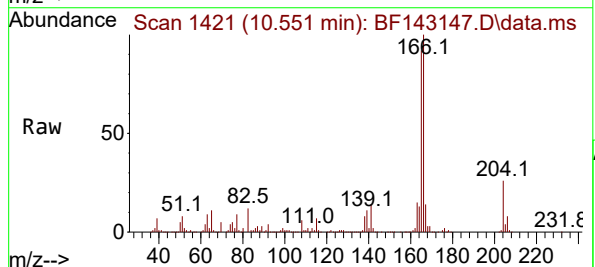
Manual Integrations
APPROVED

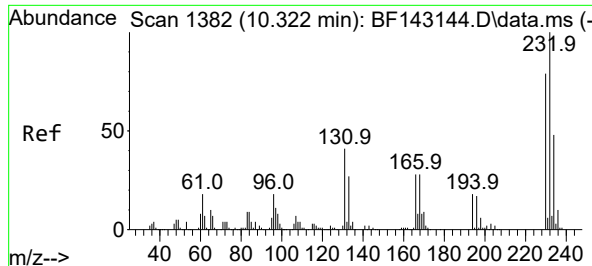
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

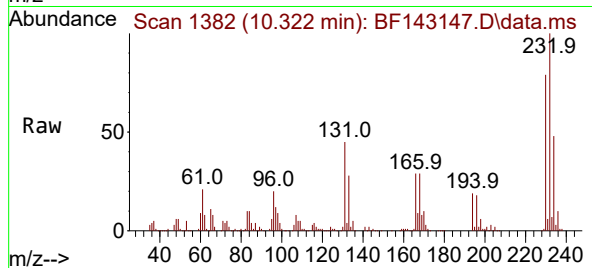
Tgt Ion:166 Resp: 1197731
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.8 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

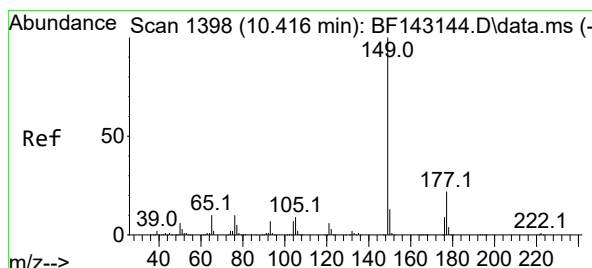
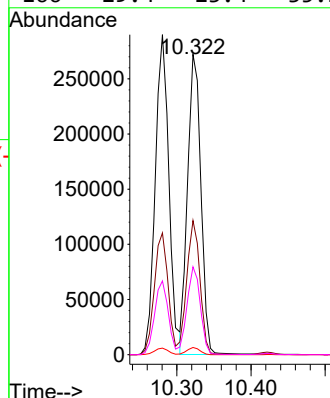
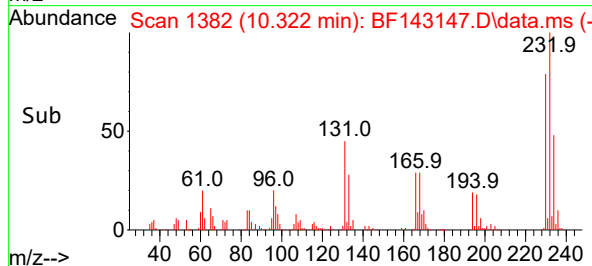
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



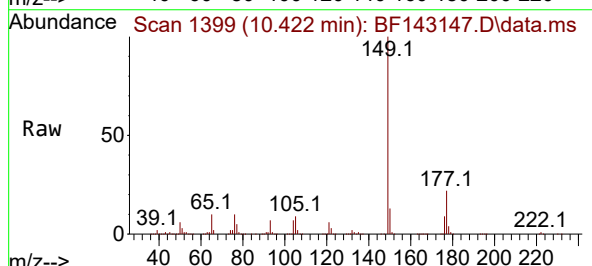
Tgt Ion:232 Resp: 340118
Ion Ratio Lower Upper
232 100
131 44.5 35.3 52.9
130 2.4 1.7 2.5
166 29.4 23.4 35.2

Manual Integrations
APPROVED

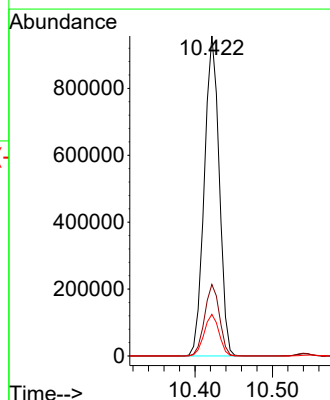
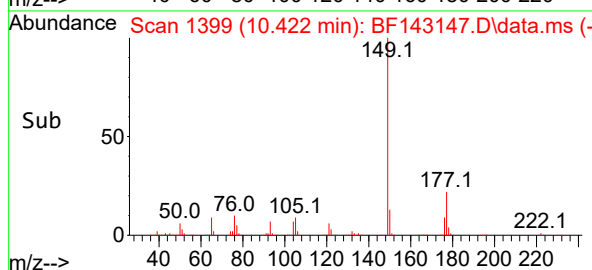
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

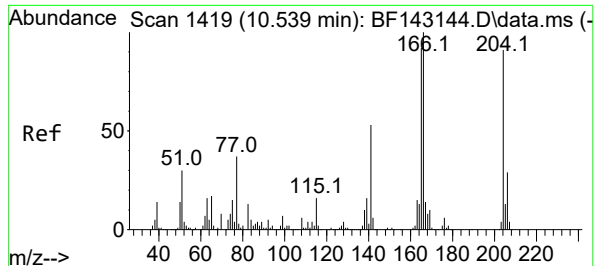


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



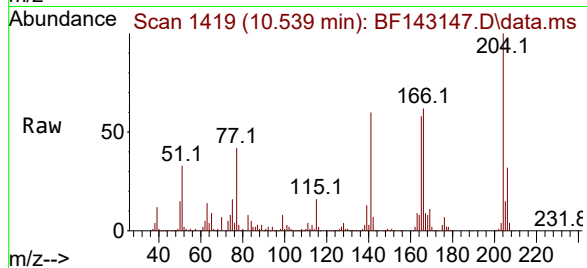
Tgt Ion:149 Resp: 1276217
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 13.0 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

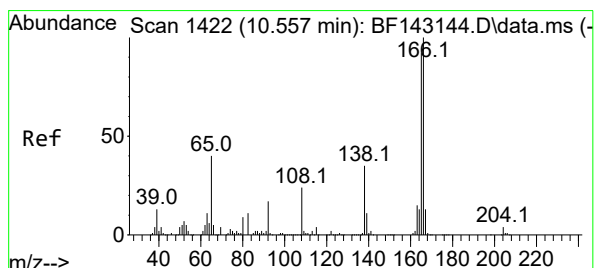
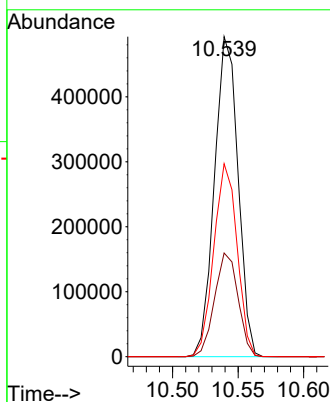
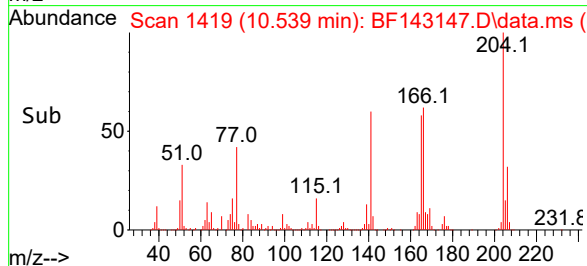
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



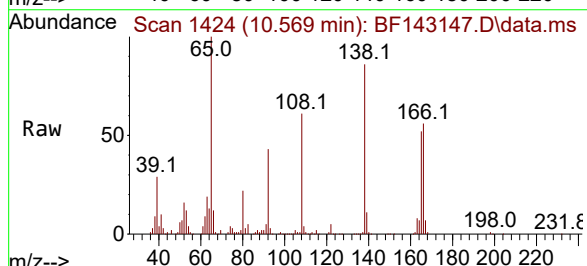
Tgt Ion:204 Resp: 614962
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.3 47.0 70.4

Manual Integrations
APPROVED

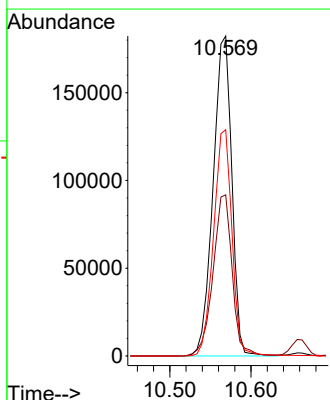
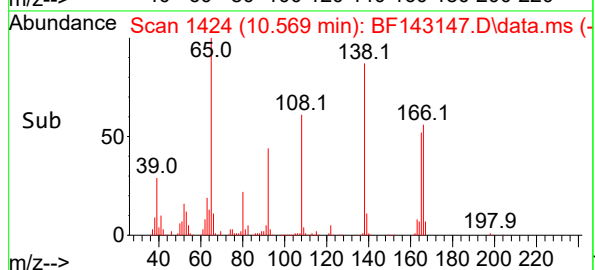
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

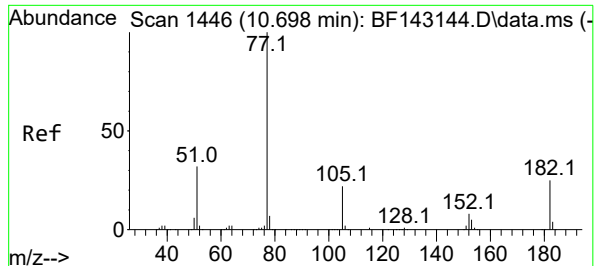


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



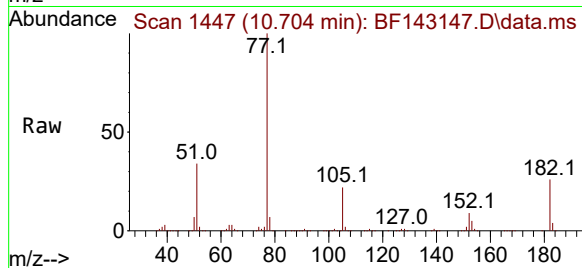
Tgt Ion:138 Resp: 291926
Ion Ratio Lower Upper
138 100
92 50.4 29.3 69.3
108 70.7 48.3 88.3





#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

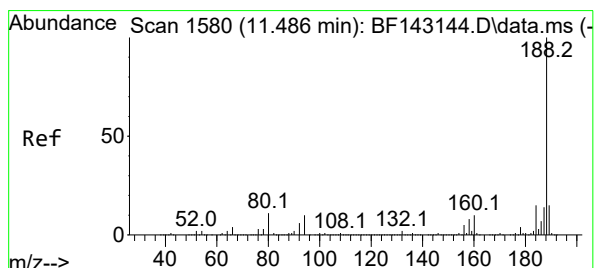
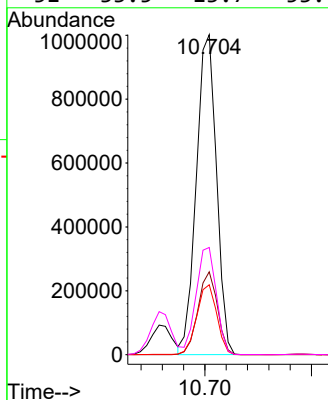
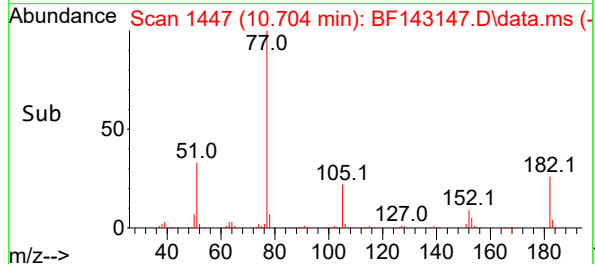
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 1318720
Ion Ratio Lower Upper
77 100
182 25.9 4.6 44.6
105 21.9 1.4 41.4
51 33.5 13.7 53.7

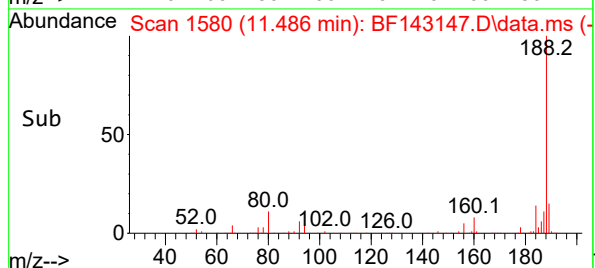
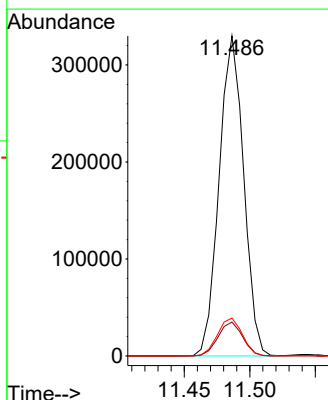
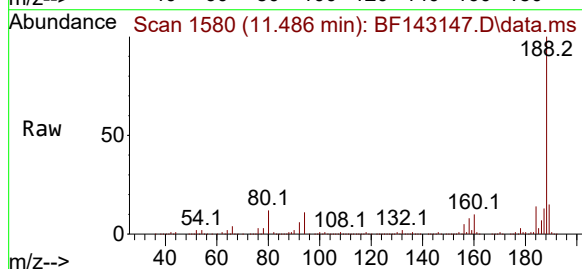
Manual Integrations
APPROVED

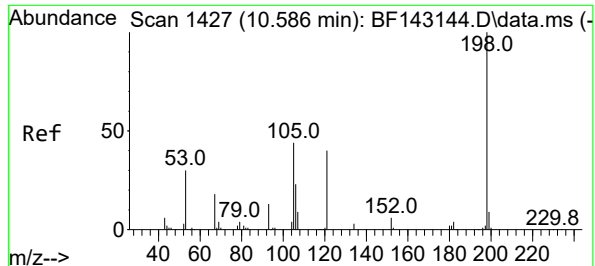
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

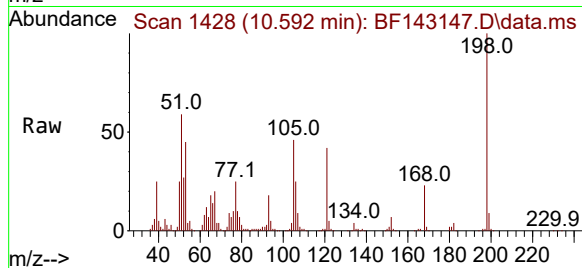
Tgt Ion:188 Resp: 429046
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.8 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

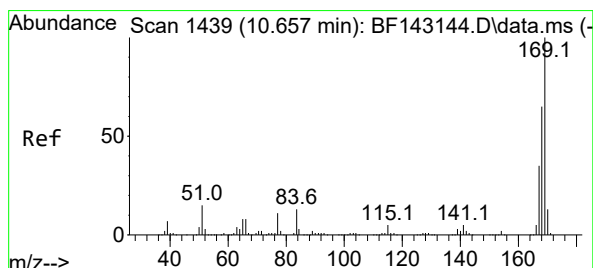
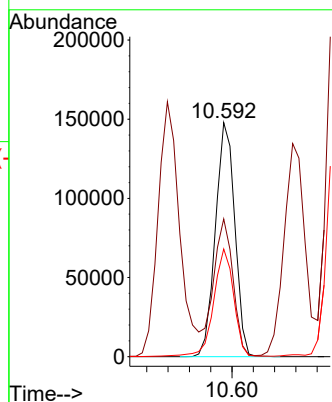
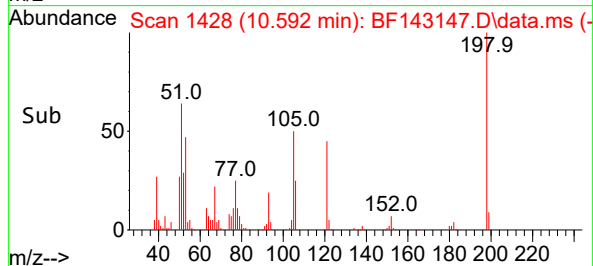
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



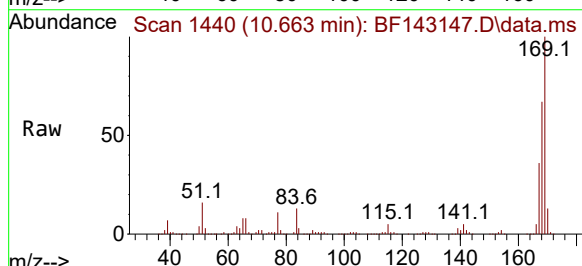
Tgt Ion:198 Resp: 186415
Ion Ratio Lower Upper
198 100
51 58.9 37.2 77.2
105 46.0 24.8 64.8

Manual Integrations
APPROVED

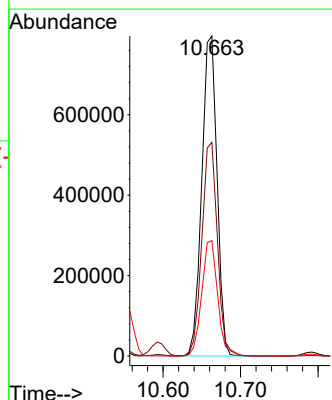
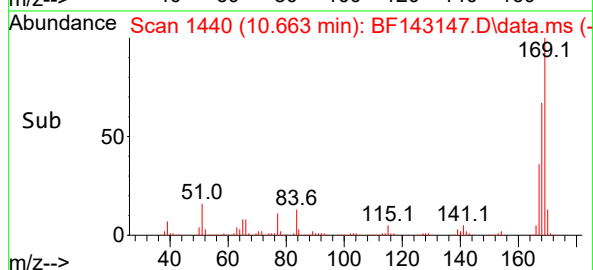
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

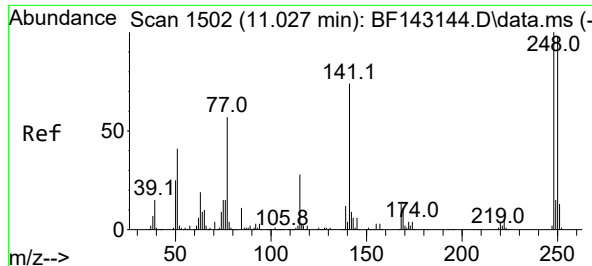


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



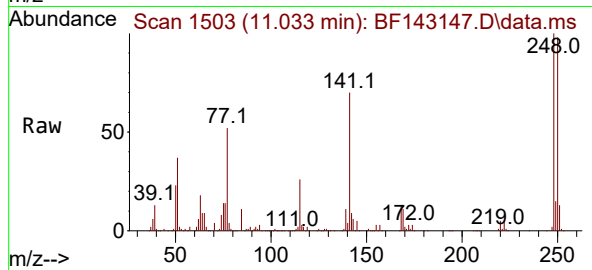
Tgt Ion:169 Resp: 1087990
Ion Ratio Lower Upper
169 100
168 66.8 52.1 78.1
167 36.1 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

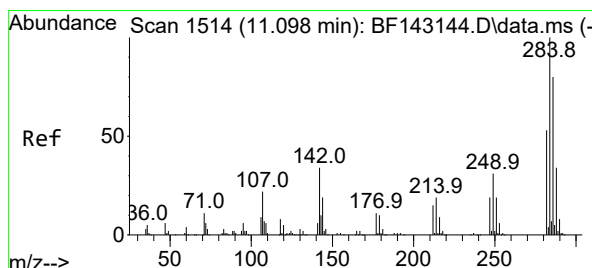
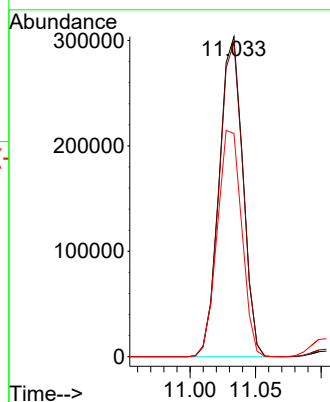
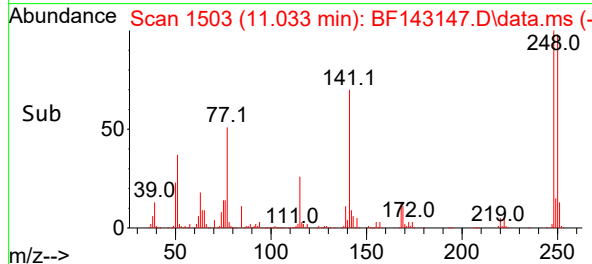
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



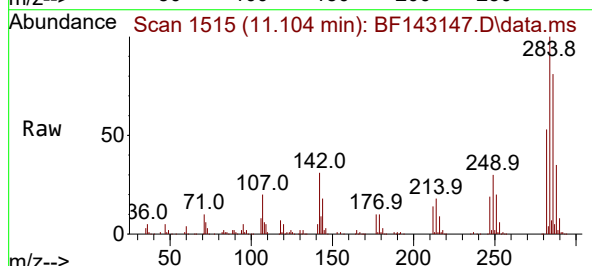
Tgt Ion:248 Resp: 38212
Ion Ratio Lower Upper
248 100
250 98.3 78.3 117.5
141 69.8 59.2 88.8

Manual Integrations
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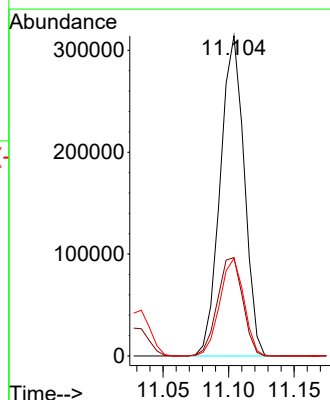
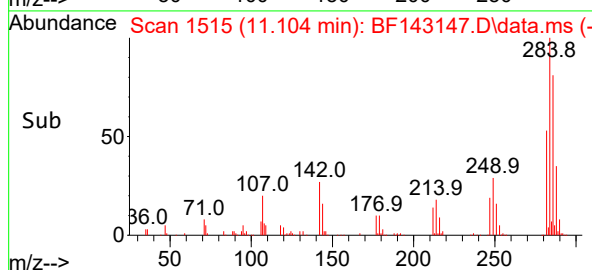
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

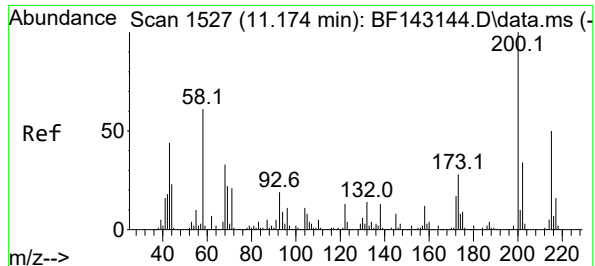


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



Tgt Ion:284 Resp: 399107
Ion Ratio Lower Upper
284 100
142 30.7 27.0 40.6
249 30.5 25.0 37.6





#69

Atrazine

Concen: 77.819 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 324120

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

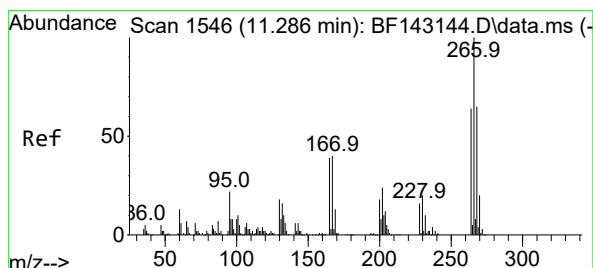
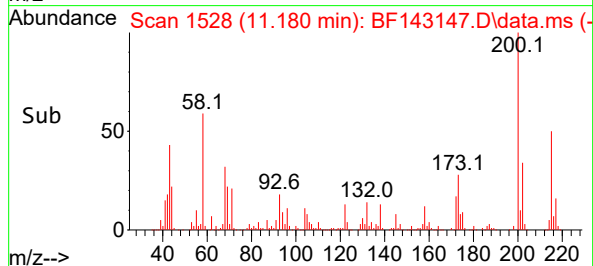
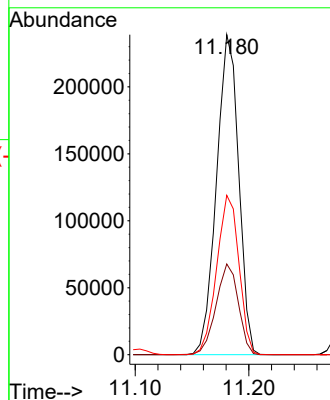
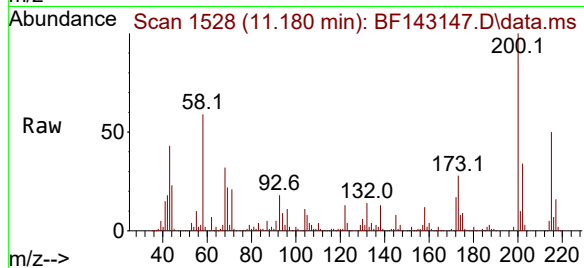
215 49.8 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 81.829 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

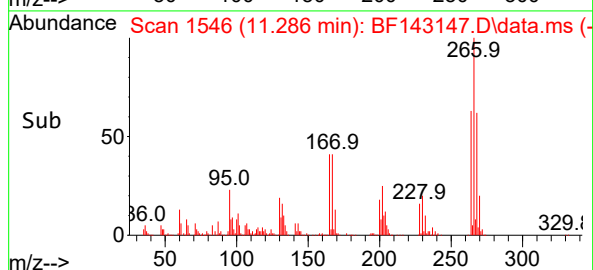
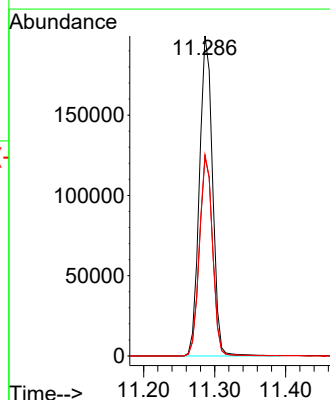
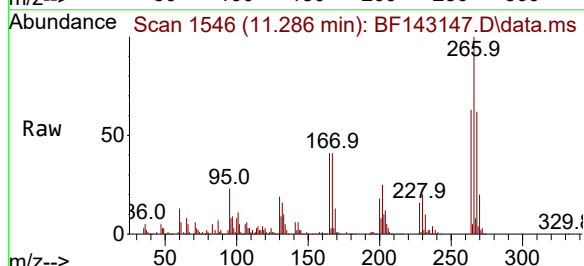
Tgt Ion:266 Resp: 257176

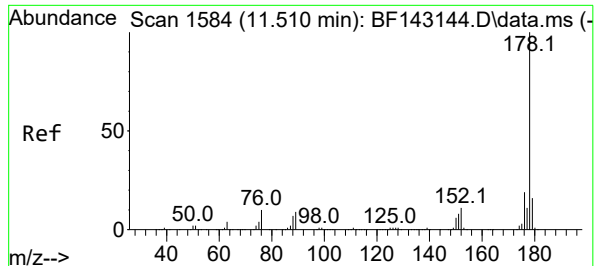
Ion Ratio Lower Upper

266 100

268 62.2 51.9 77.9

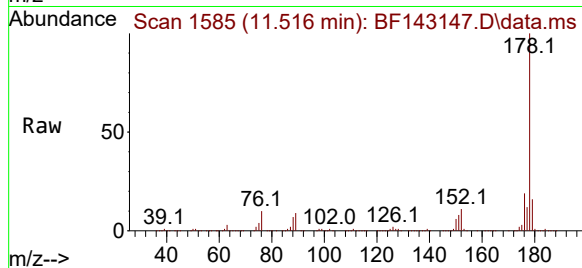
264 62.9 51.0 76.6





#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

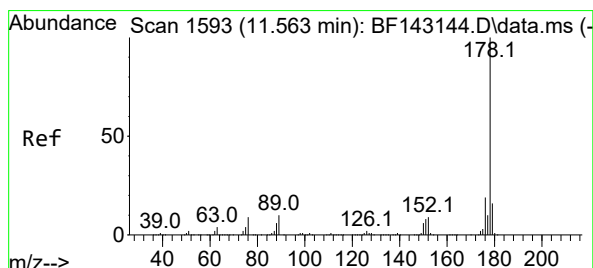
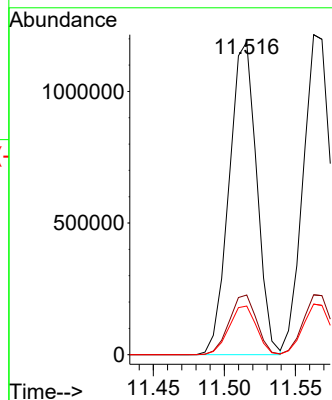
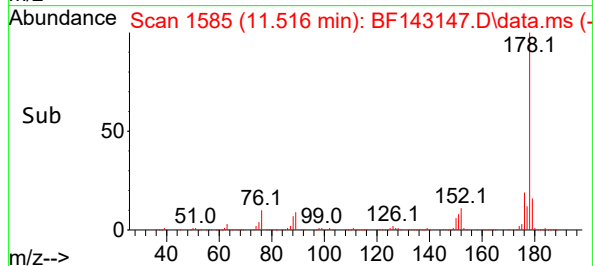
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1602208
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.5 18.7

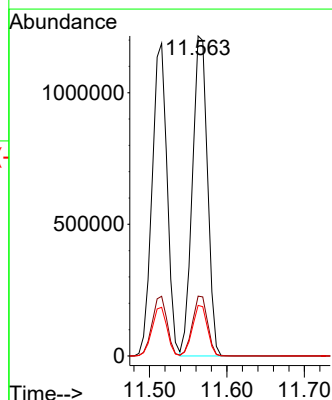
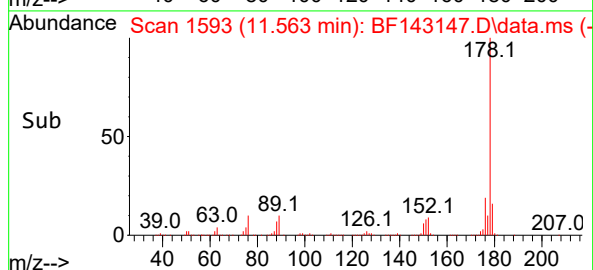
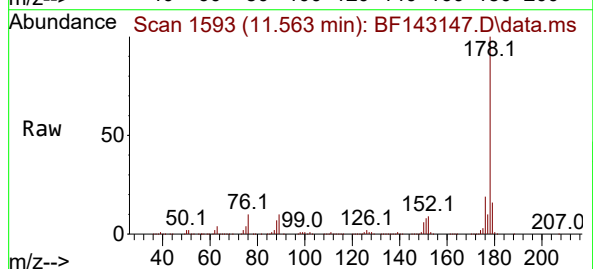
Manual Integrations
APPROVED

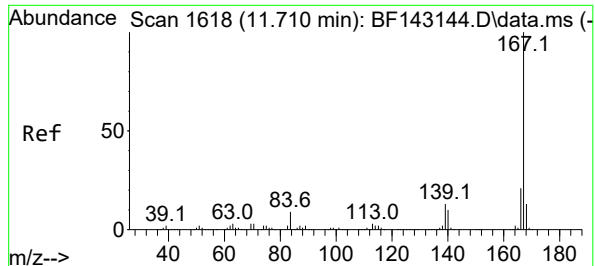
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

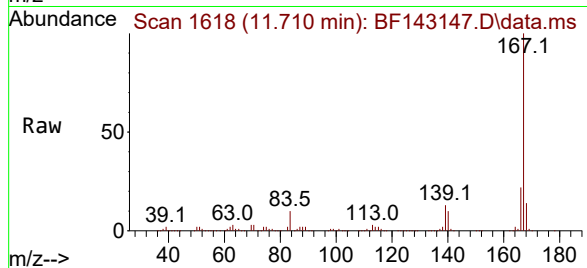
Tgt Ion:178 Resp: 1641264
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.8 12.5 18.7





#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

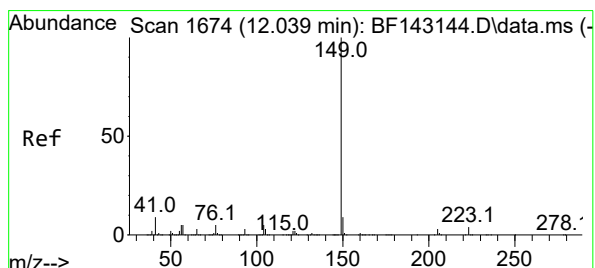
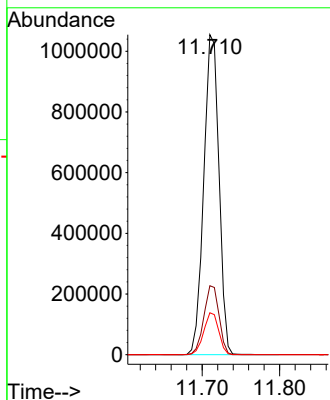
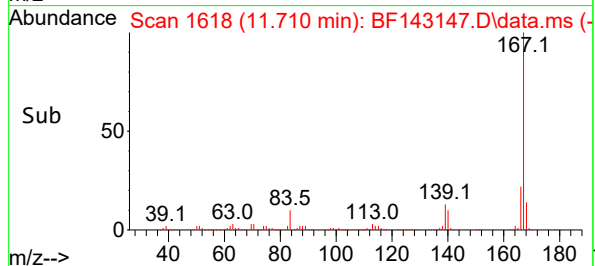
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



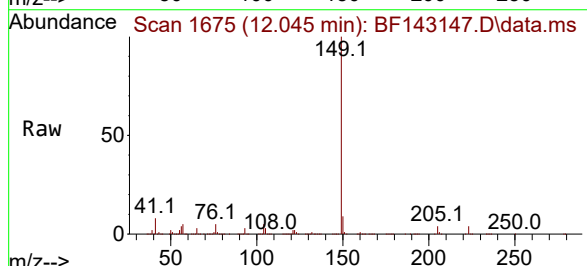
Tgt Ion:167 Resp: 143544
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.0 15.0

Manual Integrations
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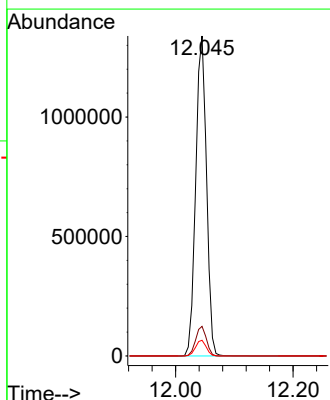
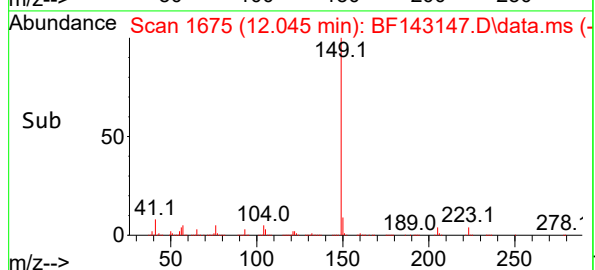
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

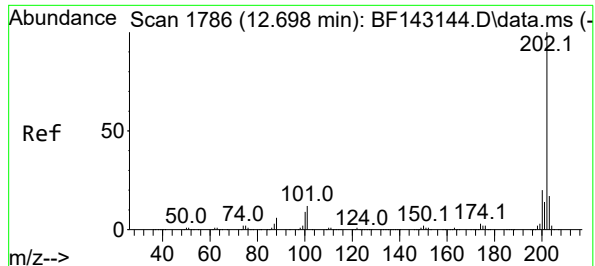


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



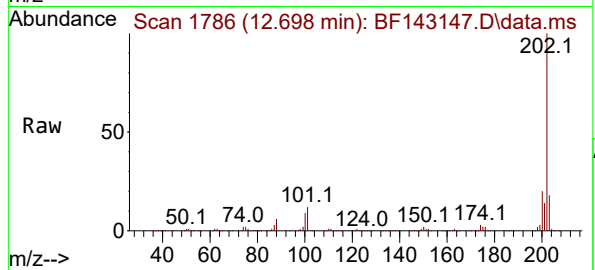
Tgt Ion:149 Resp: 1699503
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.8 5.8





#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

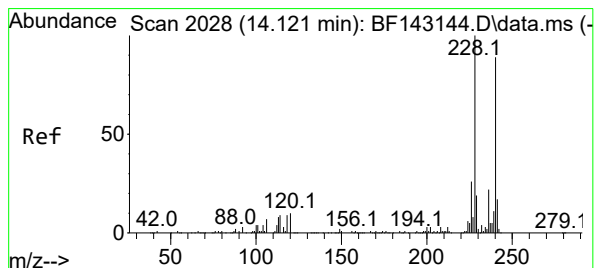
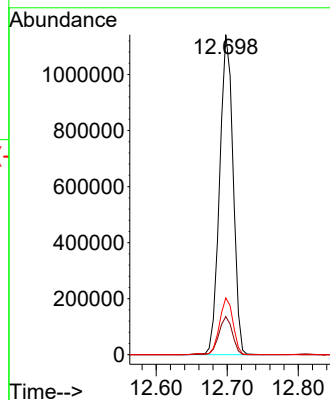
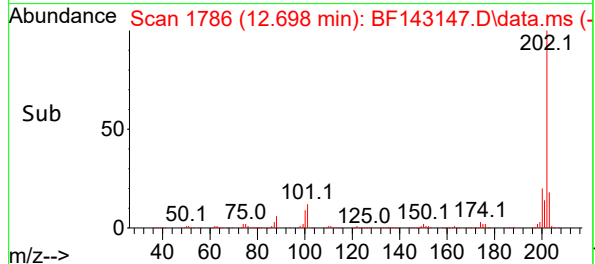
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 149810
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.7
203 17.8 0.0 37.4

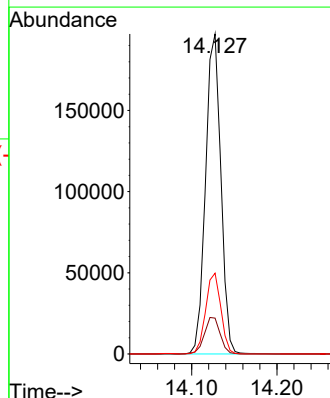
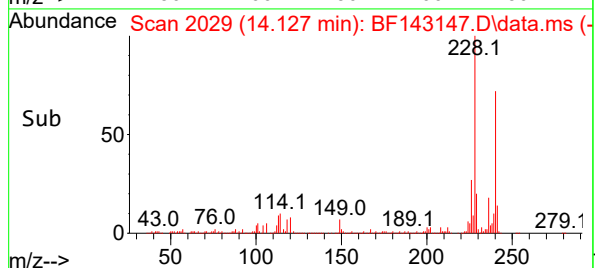
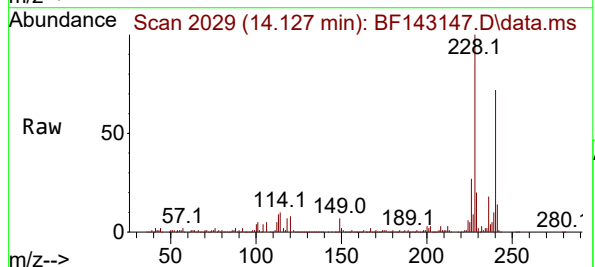
Manual Integrations
APPROVED

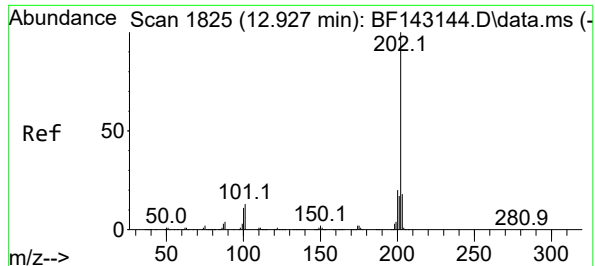
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

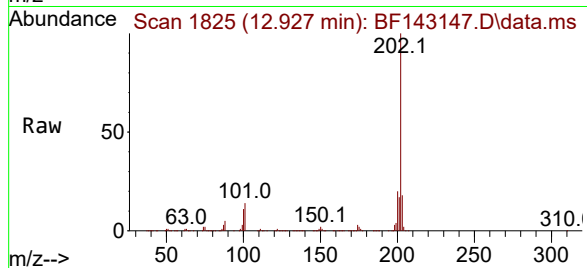
Tgt Ion:240 Resp: 245351
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.2 20.2 30.4





#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

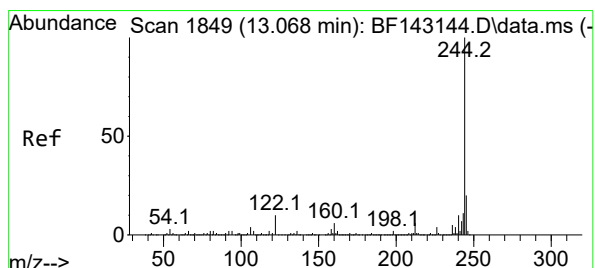
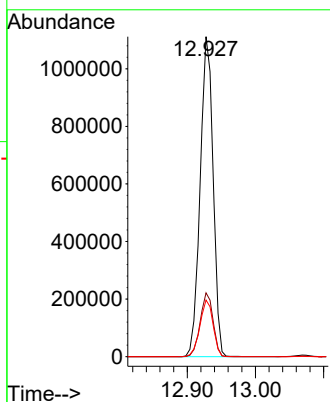
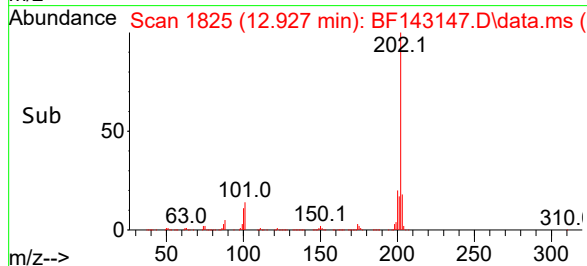
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1466209
Ion Ratio Lower Upper
202 100
200 20.0 15.7 23.5
203 17.7 14.2 21.2

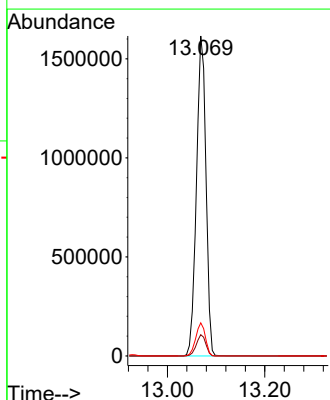
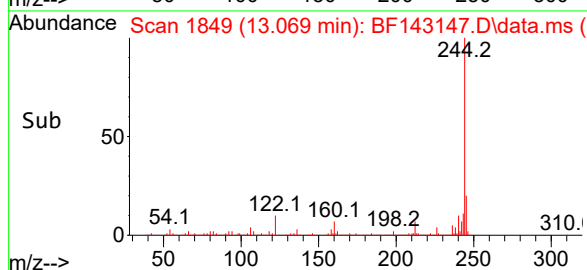
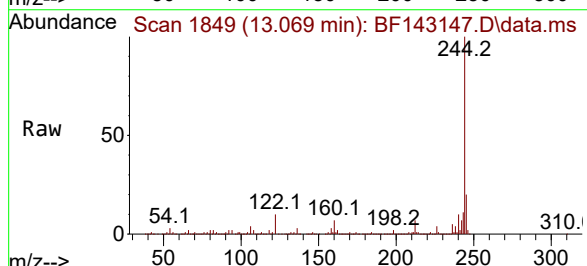
Manual Integrations
APPROVED

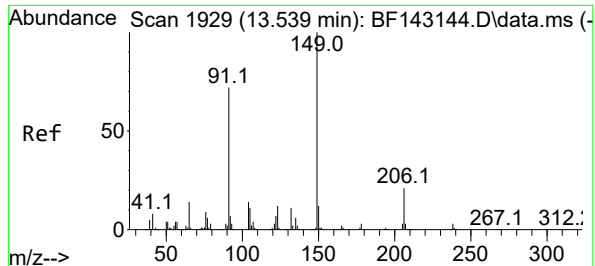
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:244 Resp: 2202828
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.4 8.2 12.2





#80

Butylbenzylphthalate

Concen: 81.353 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

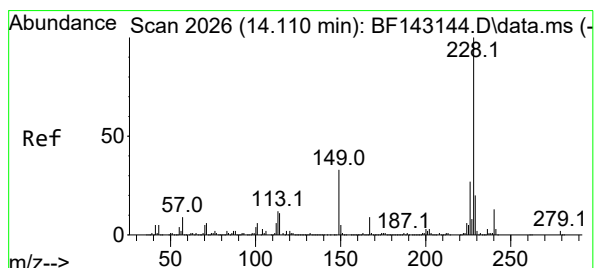
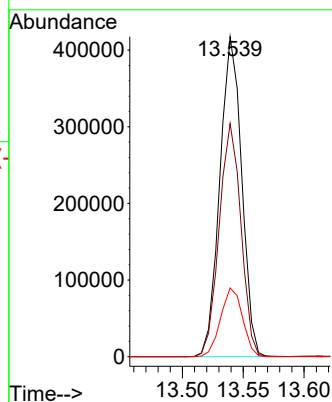
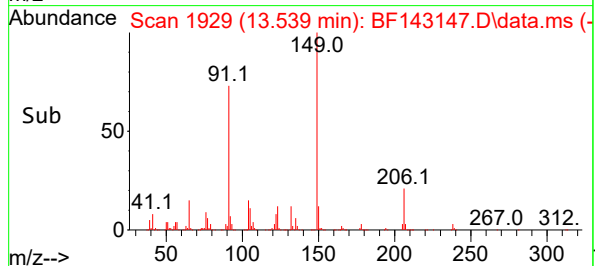
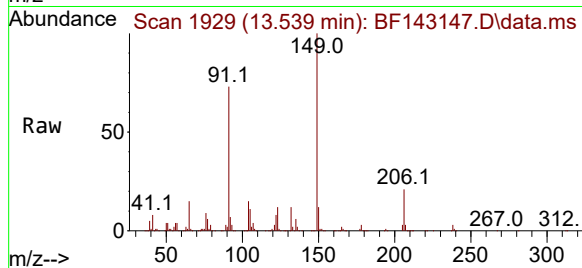
Tgt Ion:	149	Resp:	52163
Ion Ratio	Lower	Upper	
149	100		
91	72.9	57.9	86.9
206	21.5	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#81

Benzo(a)anthracene

Concen: 73.788 ng

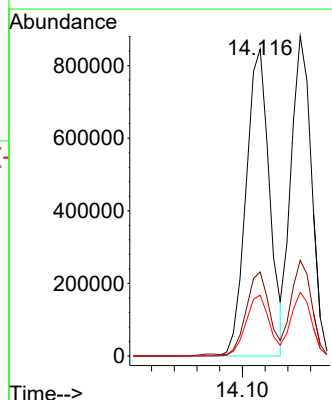
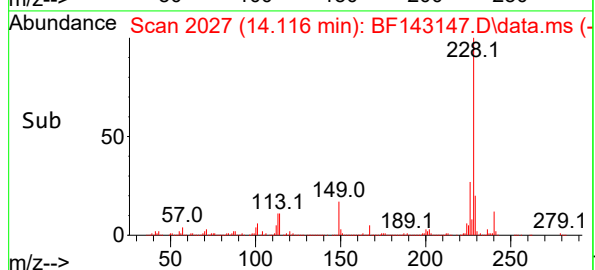
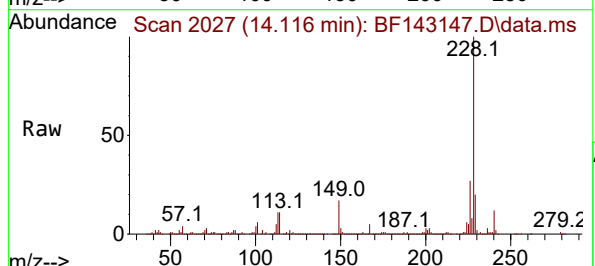
RT: 14.116 min Scan# 2027

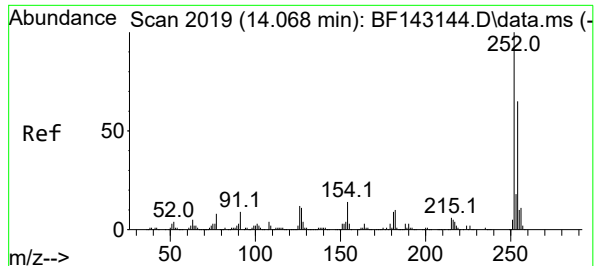
Delta R.T. 0.006 min

Lab File: BF143147.D

Acq: 17 Jul 2025 14:34

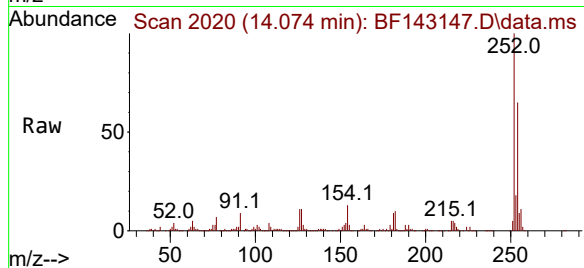
Tgt Ion:	228	Resp:	1212056
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.7	32.5
229	19.8	15.8	23.6





#82
3,3'-Dichlorobenzidine
Concen: 71.867 ng
RT: 14.074 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

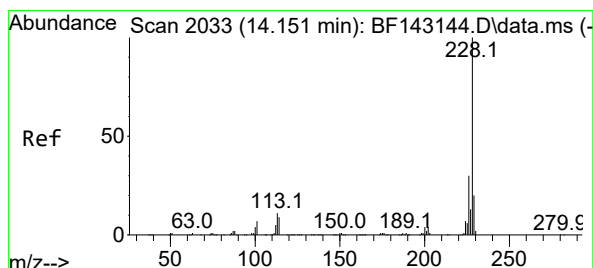
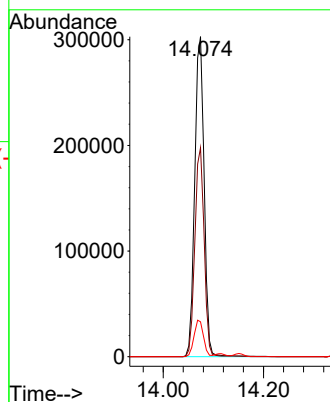
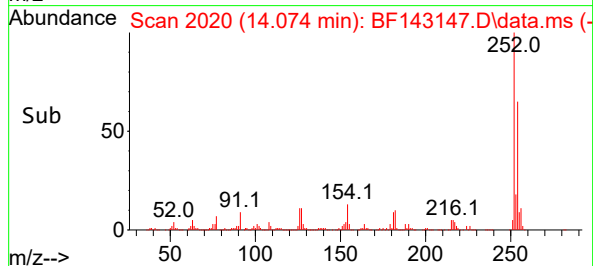
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 393448
Ion Ratio Lower Upper
252 100
254 65.3 51.7 77.5
126 10.9 9.4 14.0

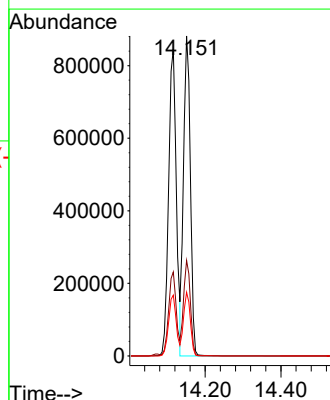
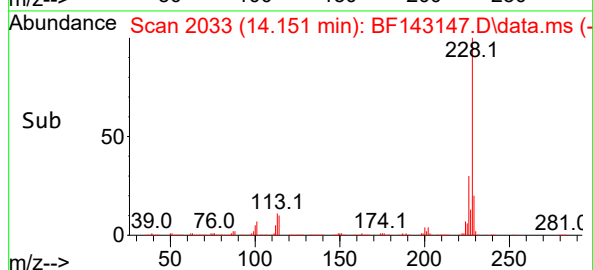
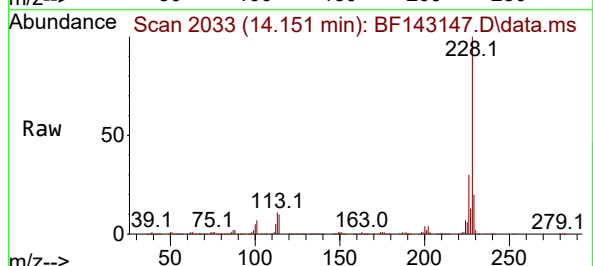
Manual Integrations
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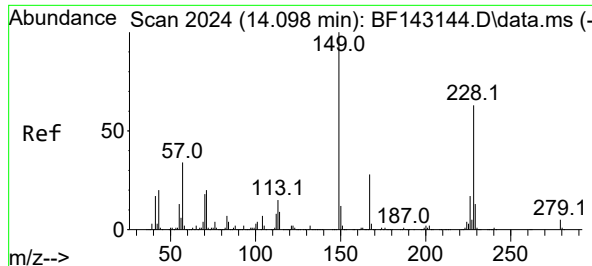
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

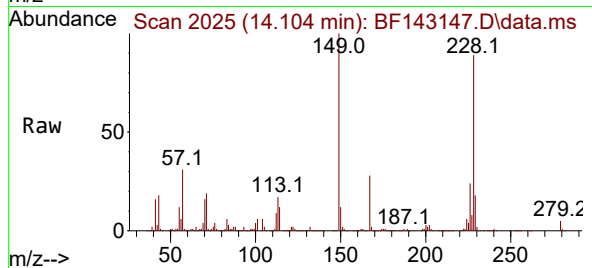
Tgt Ion:228 Resp: 1105636
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.9 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

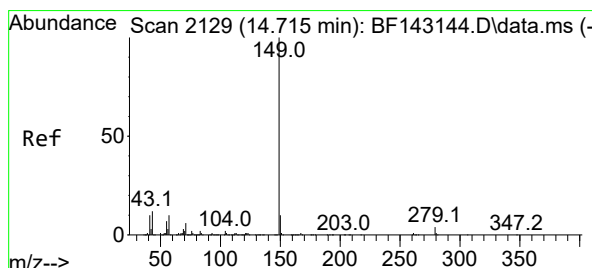
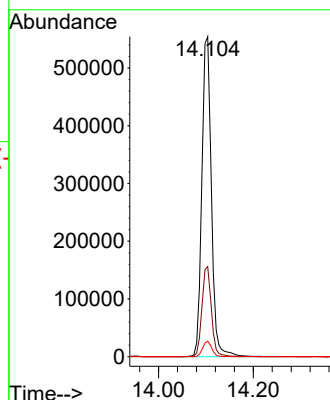
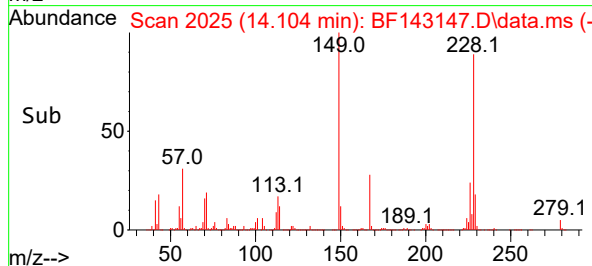
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



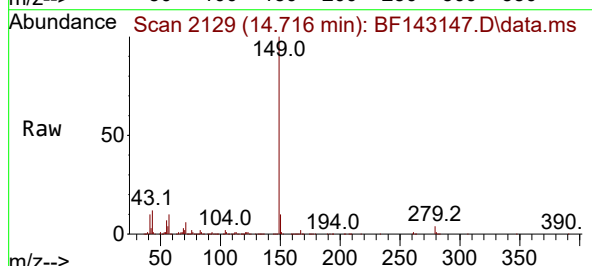
Tgt Ion:149 Resp: 774360
Ion Ratio Lower Upper
149 100
167 28.1 22.3 33.5
279 4.9 3.6 5.4

Manual Integrations
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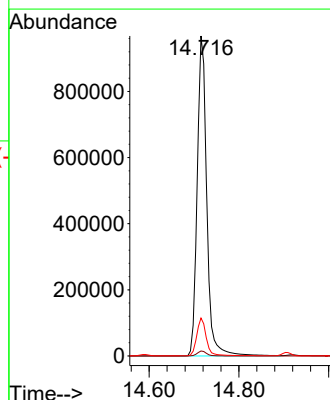
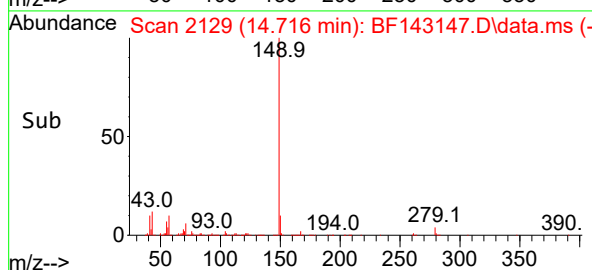
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

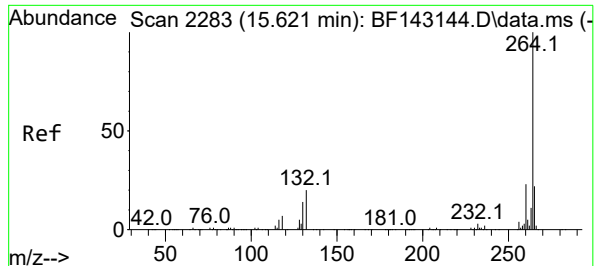


#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



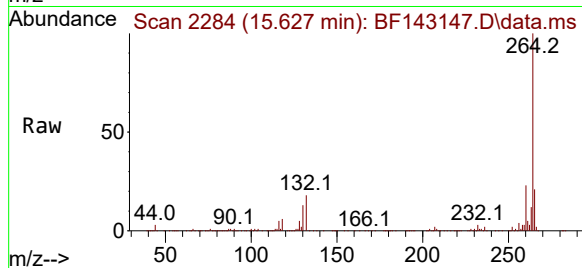
Tgt Ion:149 Resp: 1434055
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.9 9.7 14.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

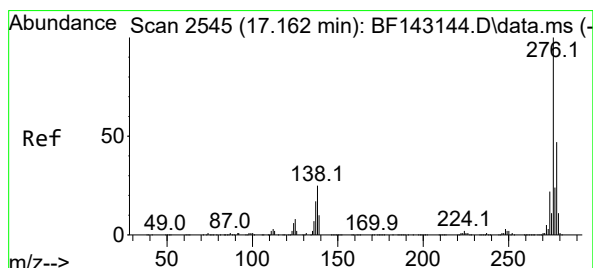
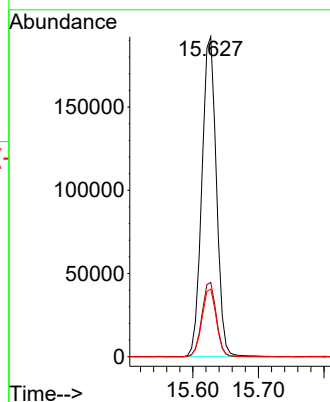
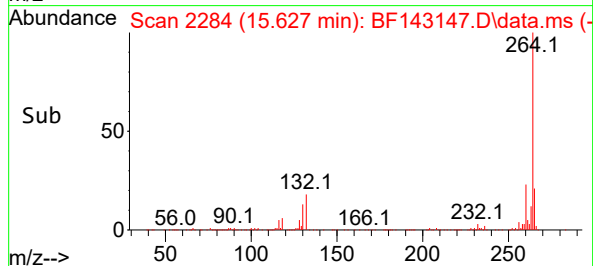
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:264 Resp: 29668
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.1 17.4 26.2

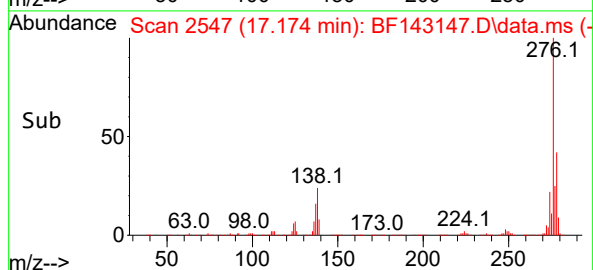
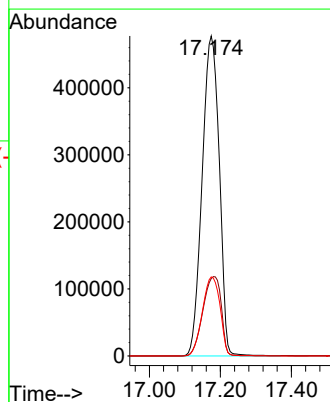
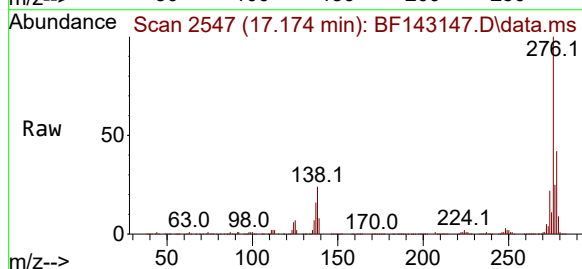
Manual Integrations
APPROVED

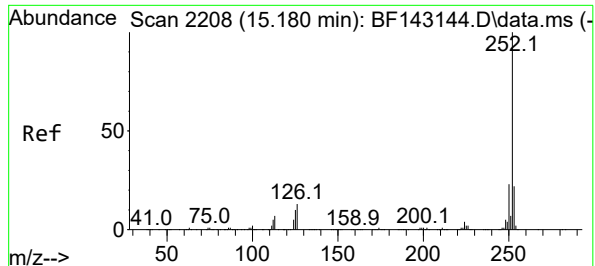
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1604969
Ion Ratio Lower Upper
276 100
138 26.5 21.8 32.6
277 25.5 20.0 30.0





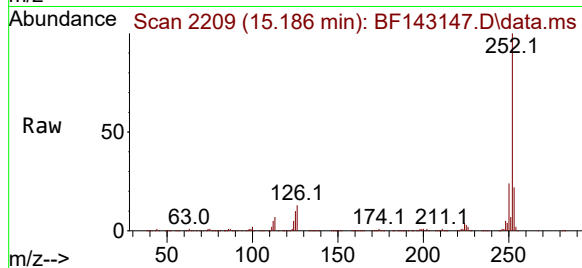
#88
Benzo(b)fluoranthene
Concen: 79.367 ng
RT: 15.186 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

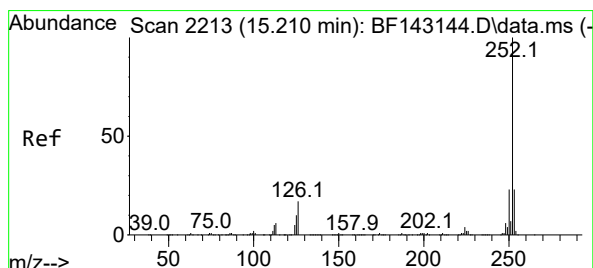
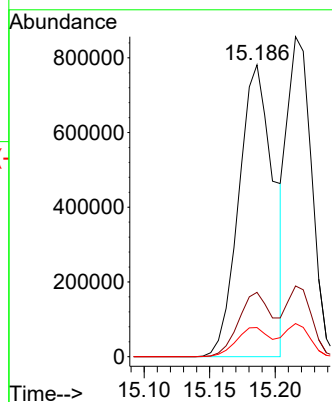
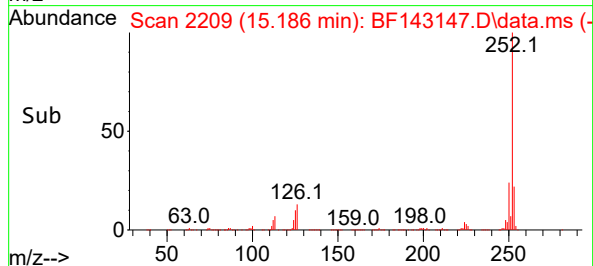


Tgt Ion:252 Resp: 1438518
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.0 8.0 12.0

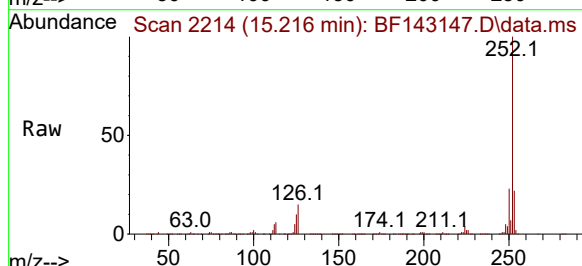
Manual Integrations

APPROVED

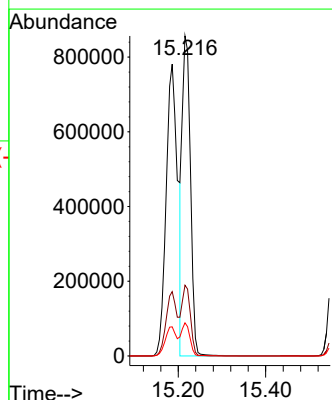
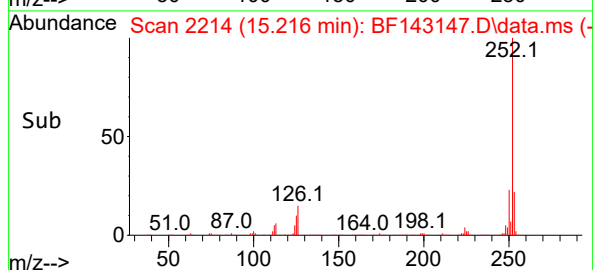
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

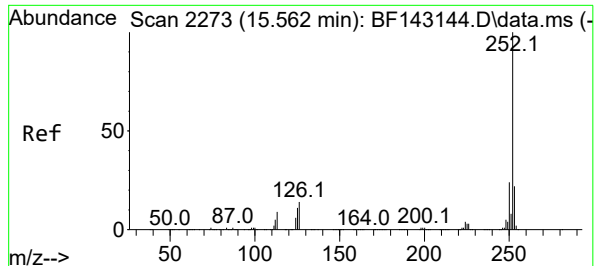


#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34



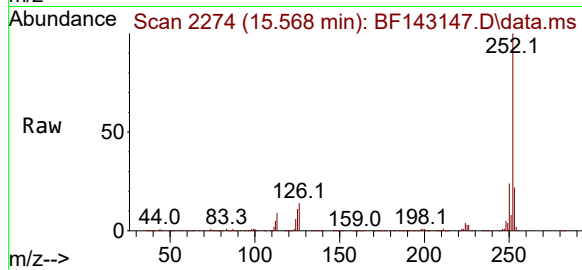
Tgt Ion:252 Resp: 1111726
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.4 8.1 12.1





#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

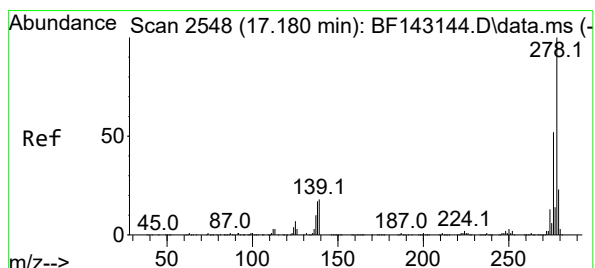
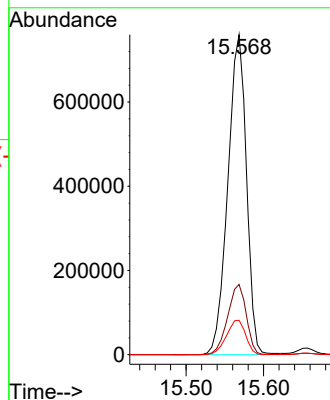
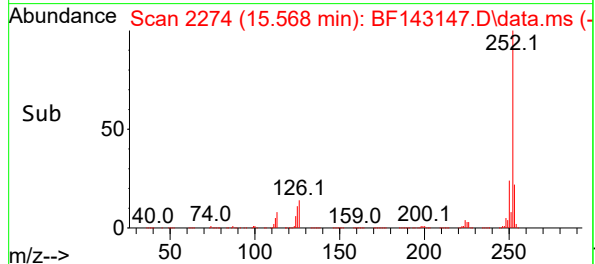
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 126925
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.8 8.6 13.0

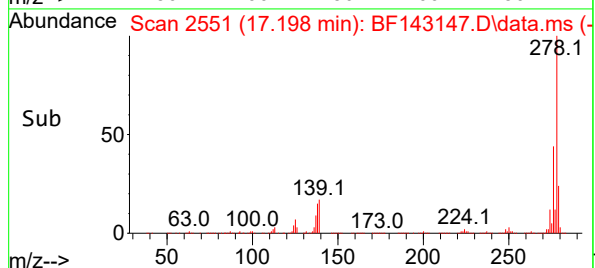
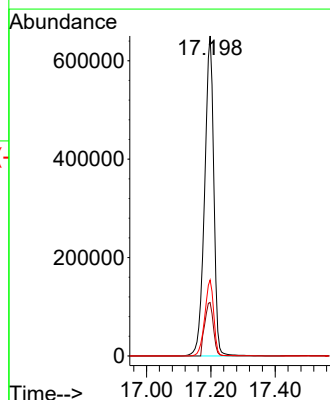
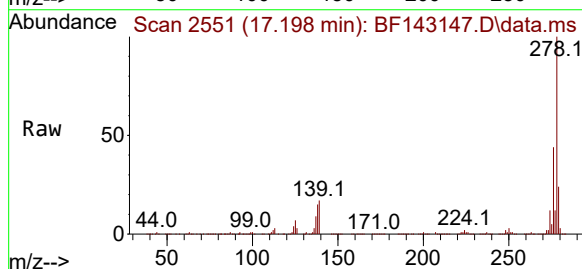
Manual Integrations
APPROVED

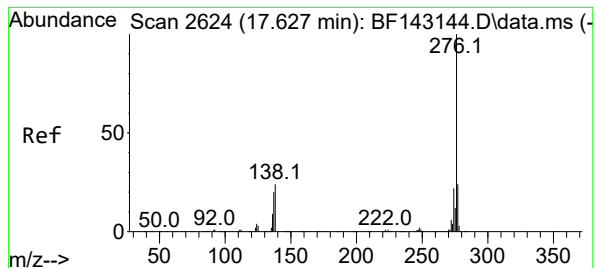
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:278 Resp: 1289789
Ion Ratio Lower Upper
278 100
139 16.7 14.1 21.1
279 23.8 18.6 28.0





#92

Benzo(g,h,i)perylene

Concen: 76.846 ng

RT: 17.645 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143147.D

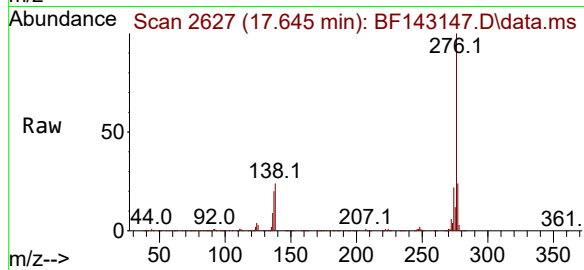
Acq: 17 Jul 2025 14:34

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 1265778

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

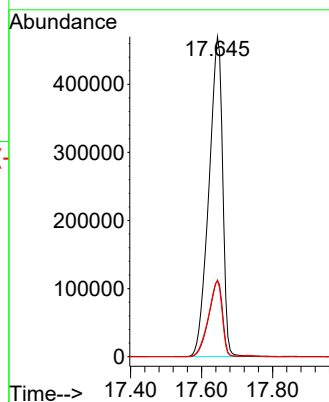
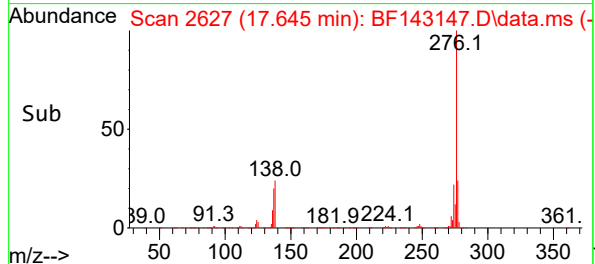
138 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Jul 17 15:14:05 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	508952m	40.827	ng	
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

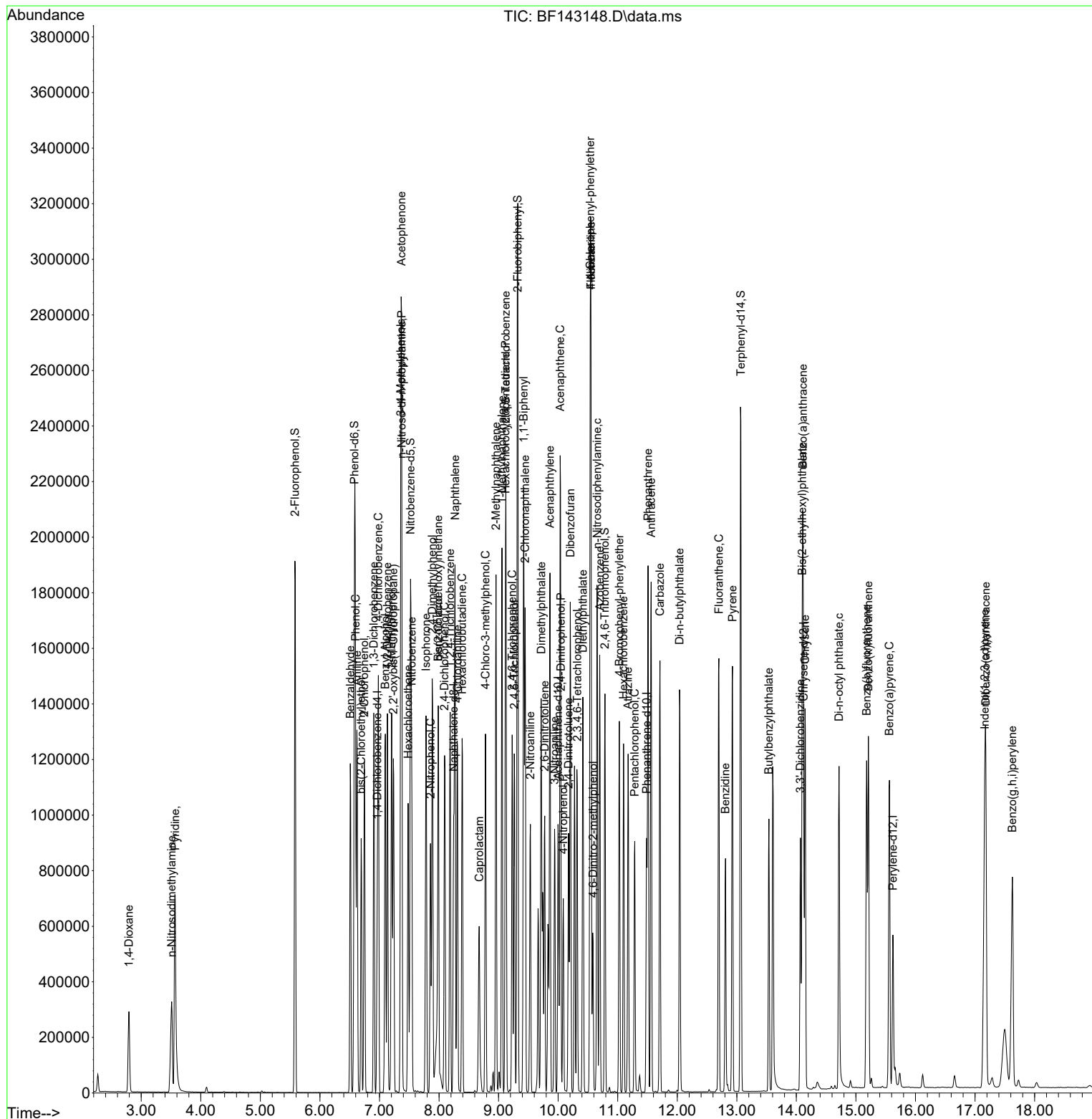
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

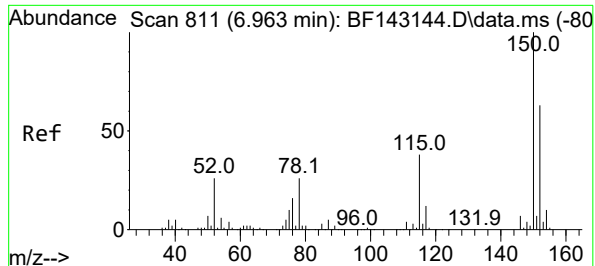
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

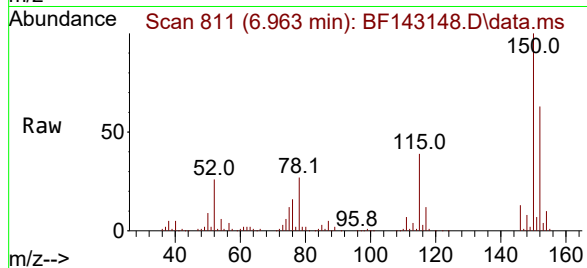
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jaagrut Upadhyay 07/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

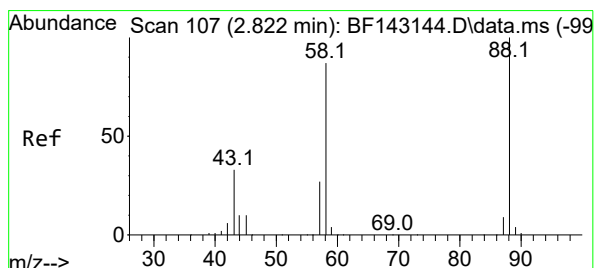
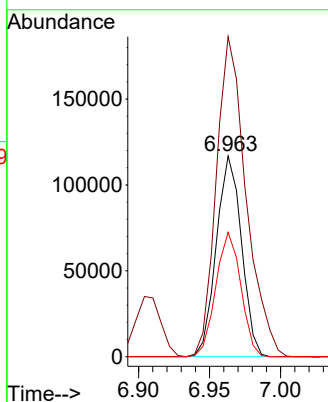
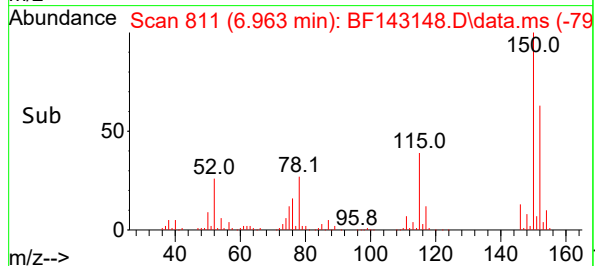
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:152 Resp: 143868
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 62.0 47.9 71.9

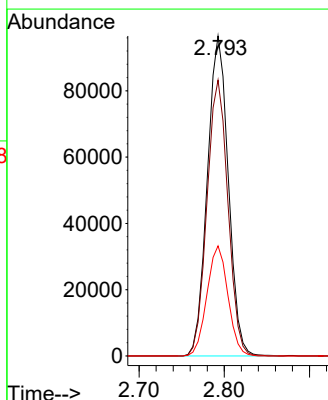
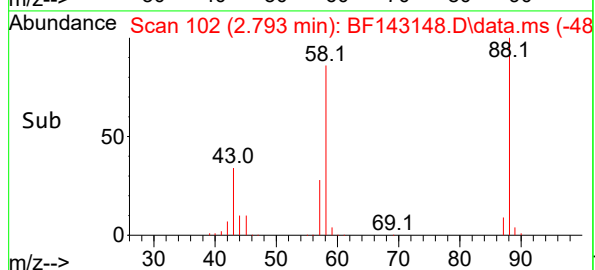
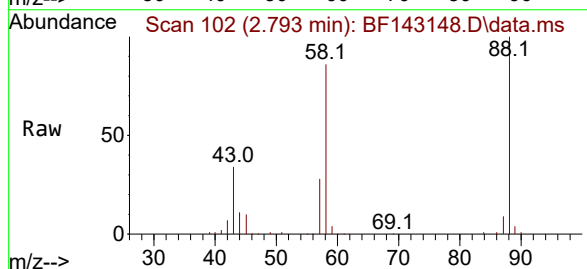
Manual Integrations
APPROVED

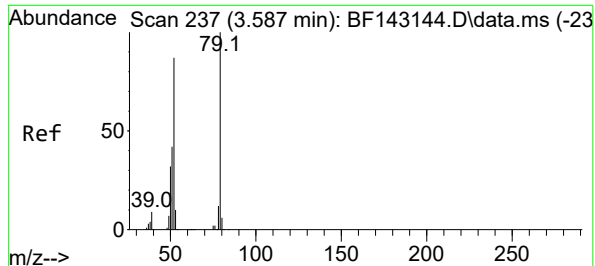
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

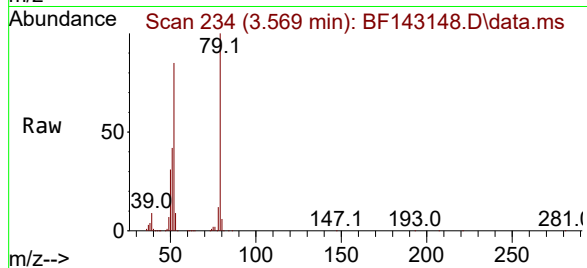
Tgt Ion: 88 Resp: 165605
Ion Ratio Lower Upper
88 100
58 86.0 70.2 105.2
43 34.4 27.1 40.7





#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

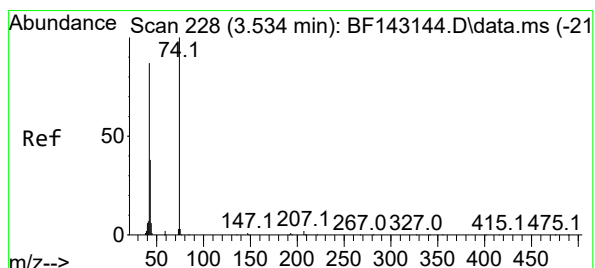
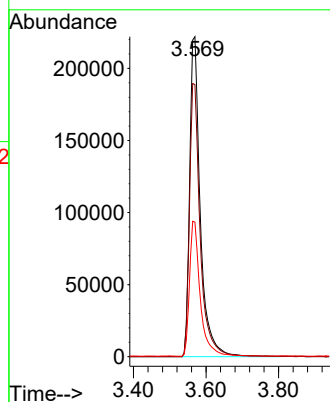
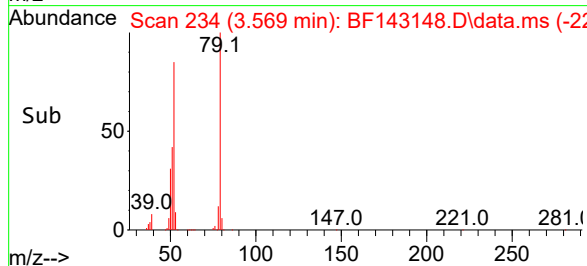
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 79 Resp: 45336
Ion Ratio Lower Upper
79 100
52 85.0 69.4 104.2
51 42.0 33.5 50.3

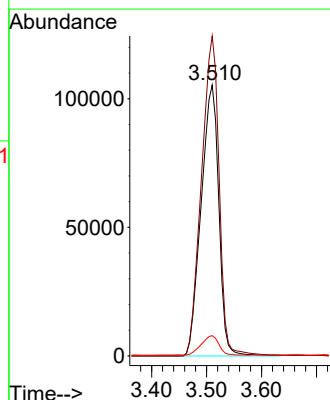
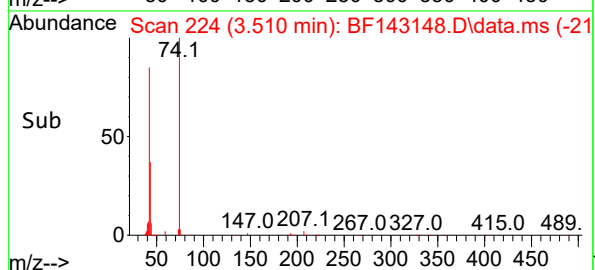
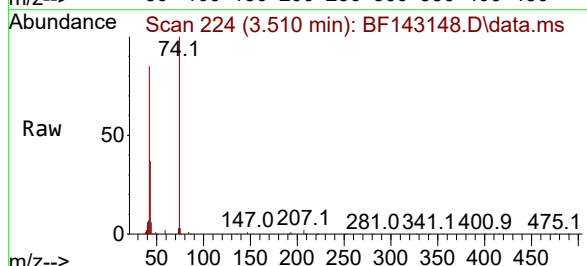
Manual Integrations
APPROVED

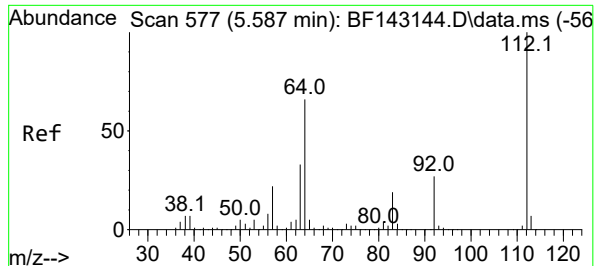
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

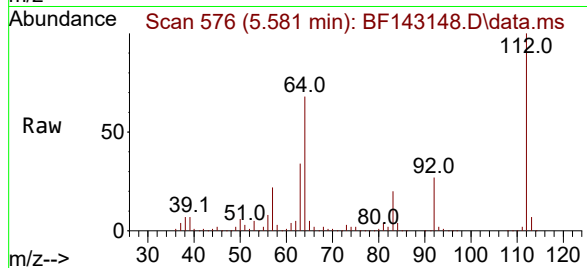
Tgt Ion: 42 Resp: 235215
Ion Ratio Lower Upper
42 100
74 118.1 91.7 137.5
44 7.5 5.6 8.4





#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

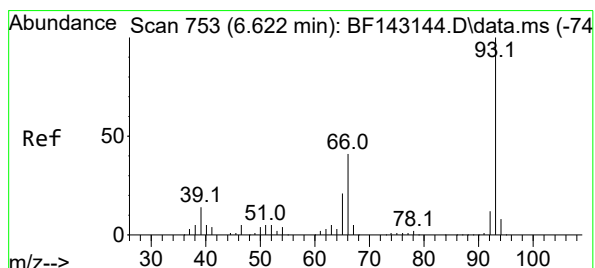
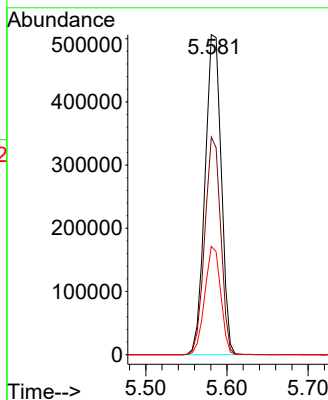
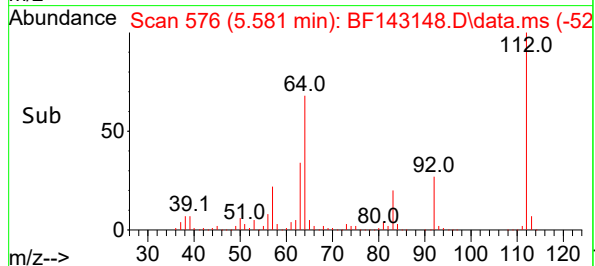
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:112 Resp: 701339
Ion Ratio Lower Upper
112 100
64 68.0 53.1 79.7
63 33.9 26.6 40.0

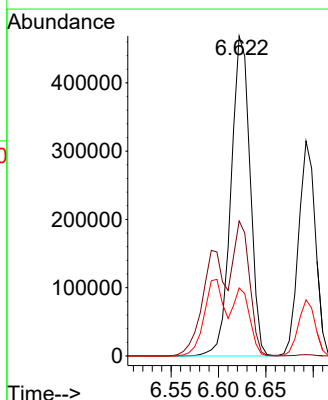
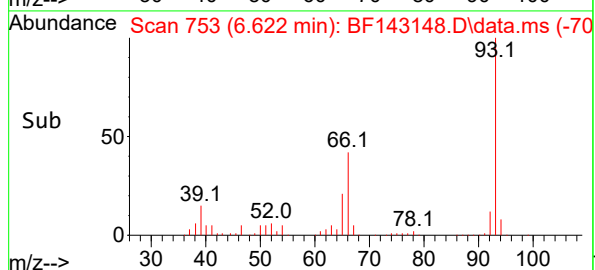
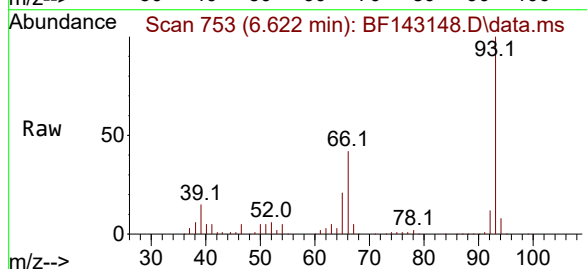
Manual Integrations
APPROVED

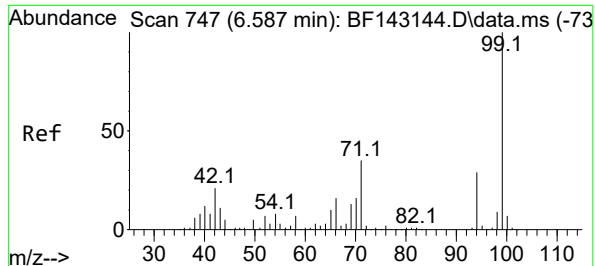
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

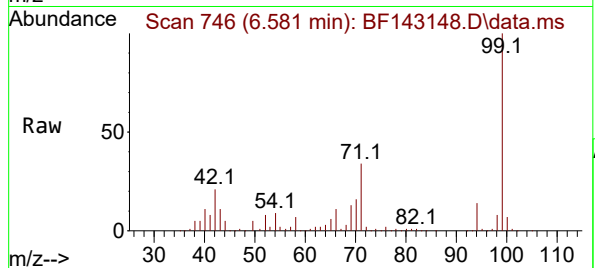
Tgt Ion: 93 Resp: 655116
Ion Ratio Lower Upper
93 100
66 42.2 33.2 49.8
65 21.3 16.9 25.3





#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

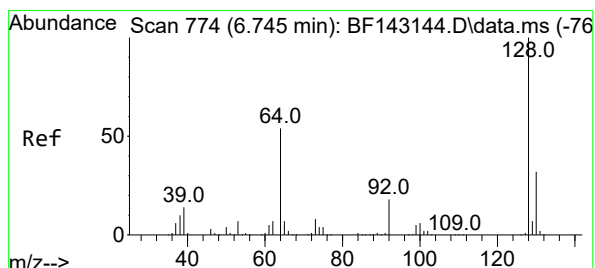
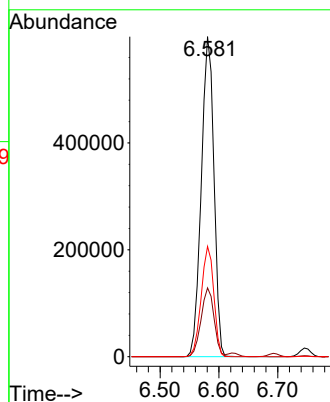
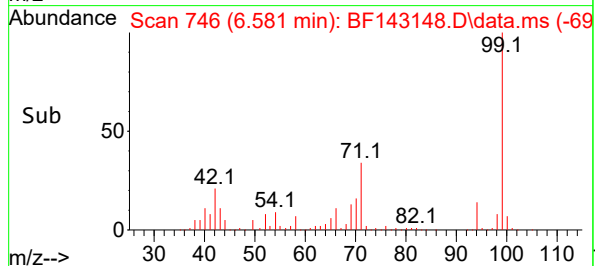
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 99 Resp: 89408
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.5 27.7 41.5

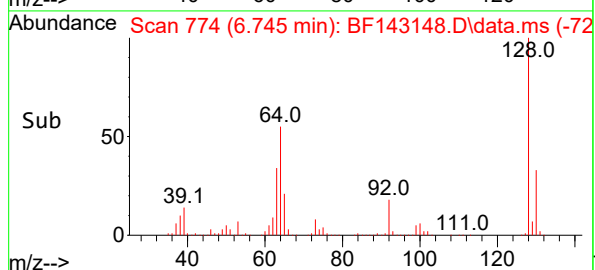
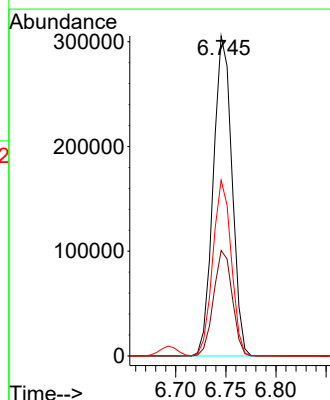
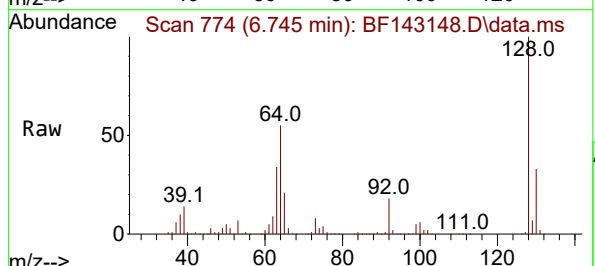
Manual Integrations
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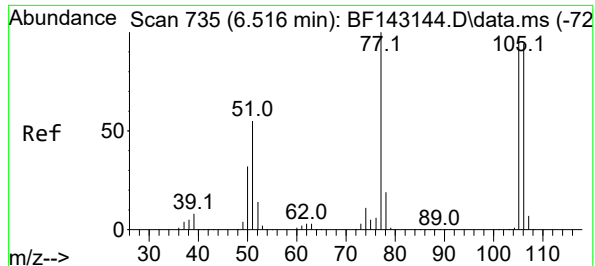
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:128 Resp: 395767
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 54.9 35.9 75.9





#9

Benzaldehyde

Concen: 37.441 ng

RT: 6.510 min Scan# 735

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 77 Resp: 321269

Ion Ratio Lower Upper

77 100

105 94.2 76.8 116.8

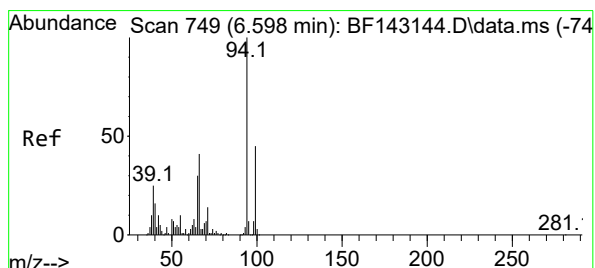
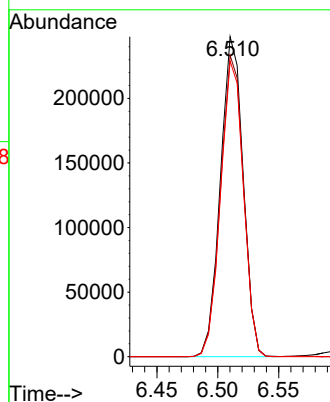
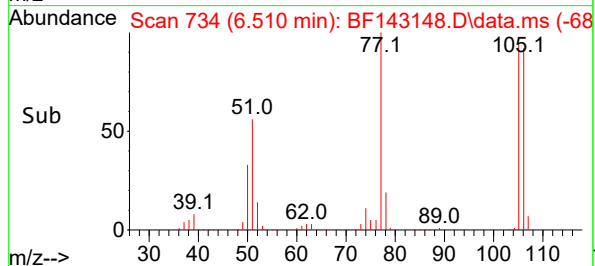
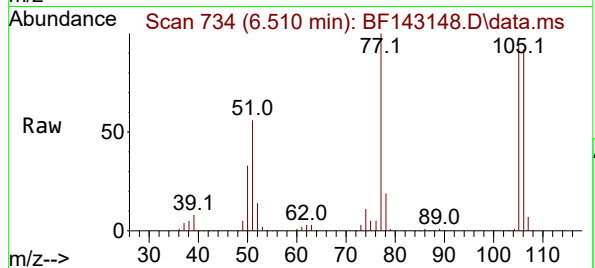
106 92.4 74.4 114.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#10

Phenol

Concen: 40.827 ng m

RT: 6.598 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

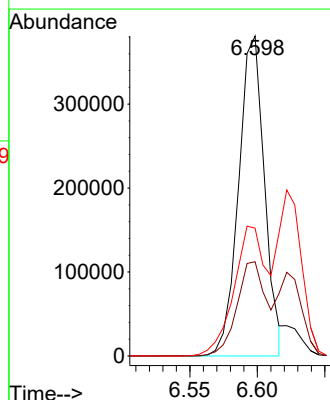
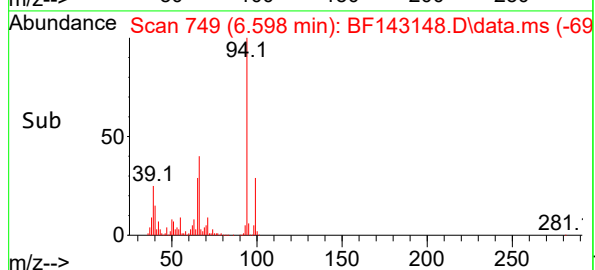
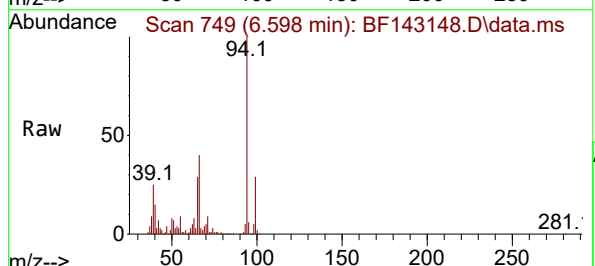
Tgt Ion: 94 Resp: 508952

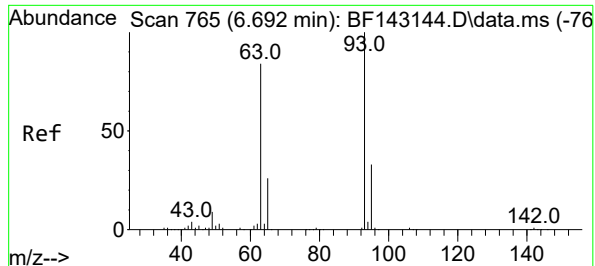
Ion Ratio Lower Upper

94 100

65 29.4 10.0 50.0

66 40.0 20.8 60.8





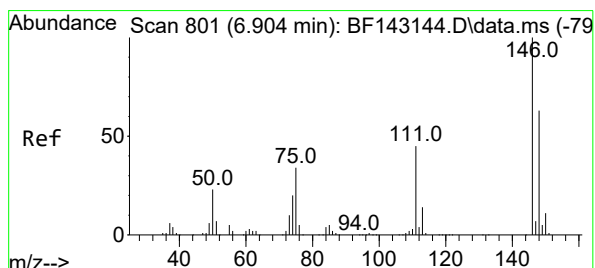
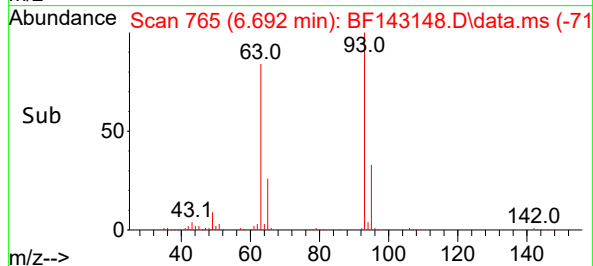
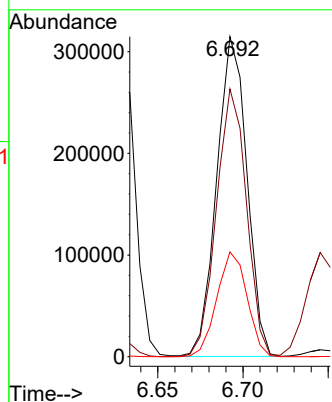
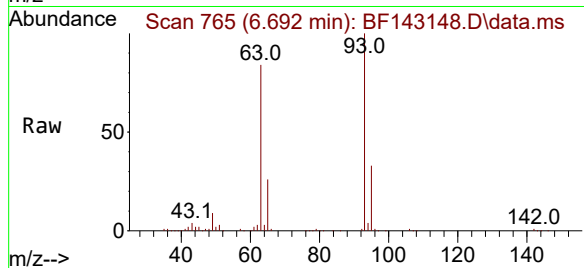
#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 93 Resp: 38779
Ion Ratio Lower Upper
93 100
63 83.7 63.4 103.4
95 32.7 12.4 52.4

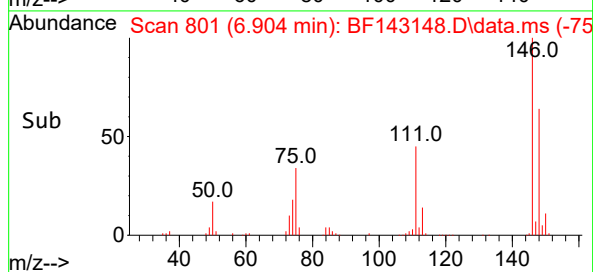
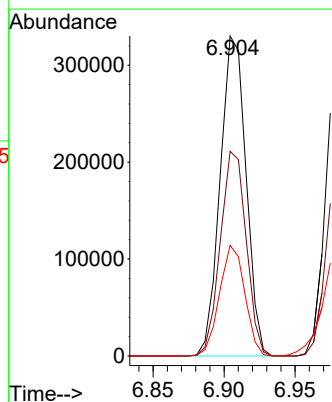
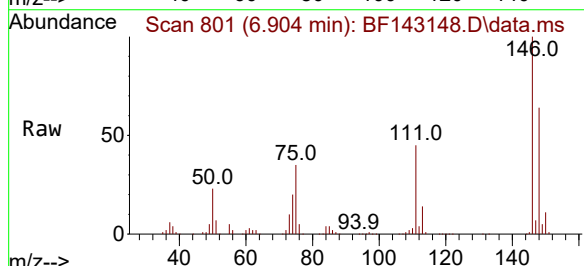
Manual Integrations
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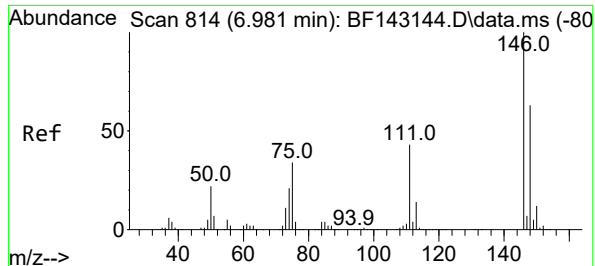
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 418232
Ion Ratio Lower Upper
146 100
148 63.9 50.6 76.0
75 34.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.731 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:146 Resp: 424629

Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

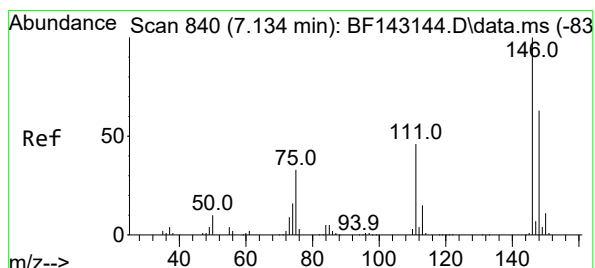
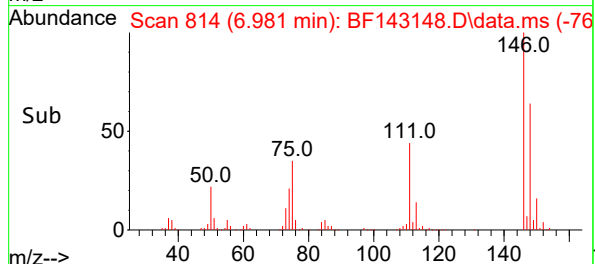
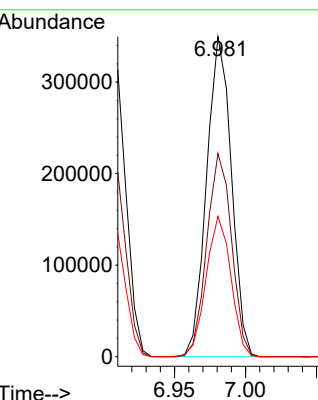
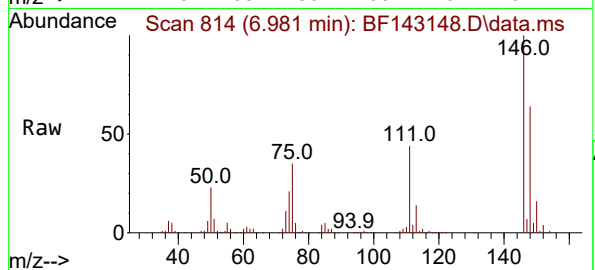
111 43.8 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#14

1,2-Dichlorobenzene

Concen: 41.506 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

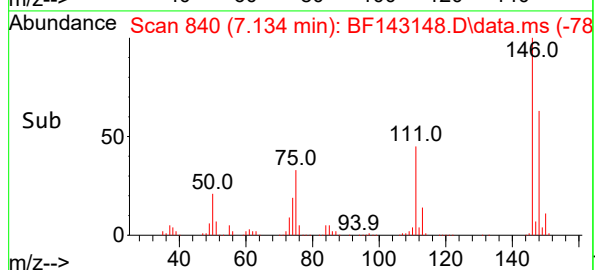
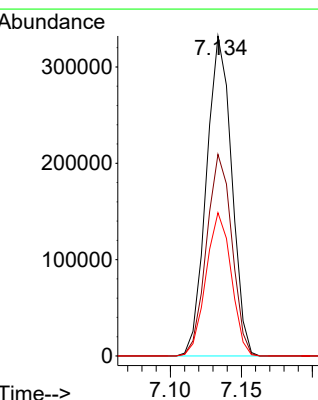
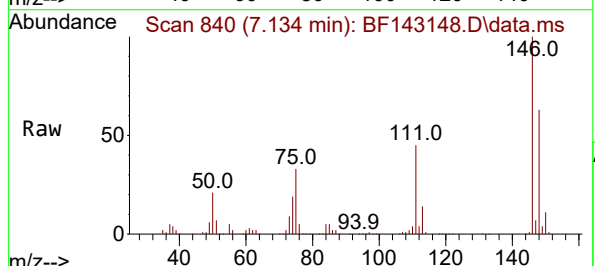
Tgt Ion:146 Resp: 411560

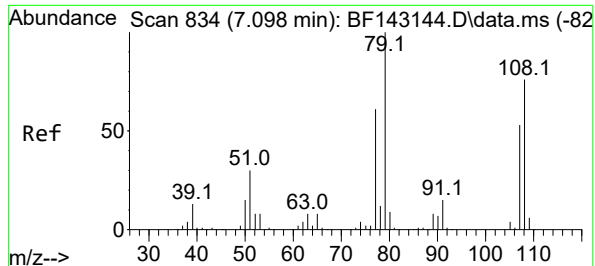
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 44.8 36.6 54.8





#15

Benzyl Alcohol

Concen: 41.958 ng

RT: 7.098 min Scan# 834

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 79 Resp: 366608

Ion Ratio Lower Upper

79 100

108 76.2 61.1 91.7

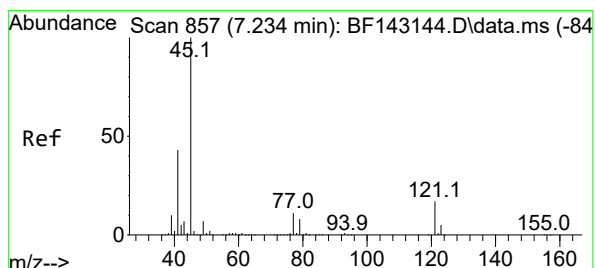
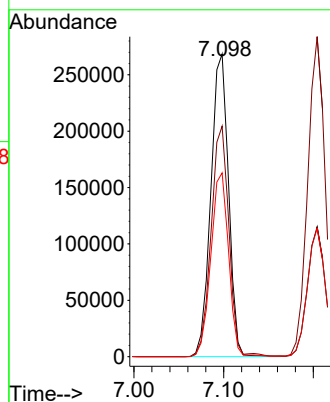
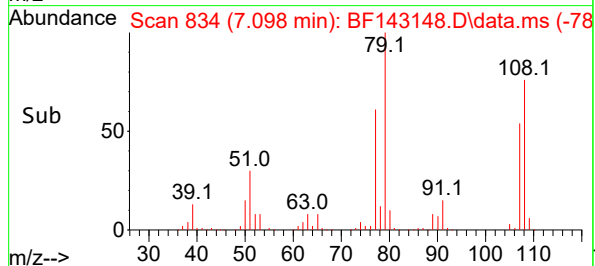
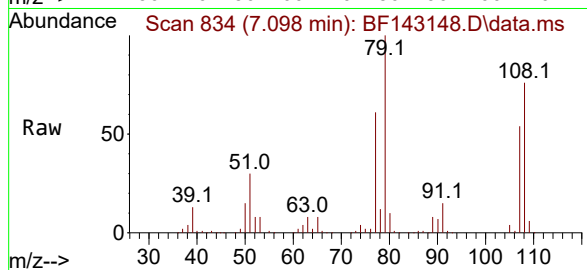
77 60.8 48.9 73.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.357 ng

RT: 7.234 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

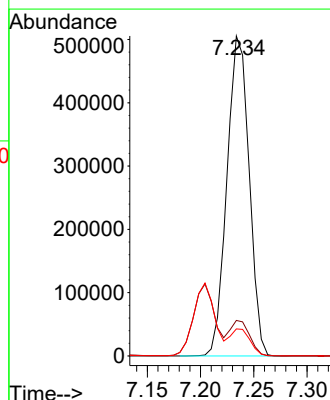
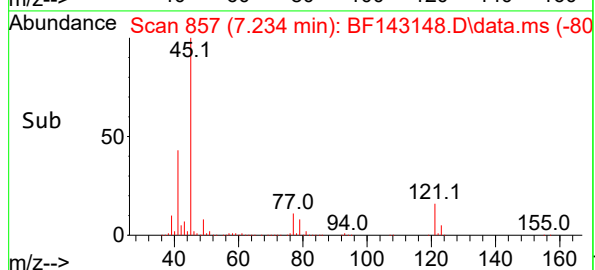
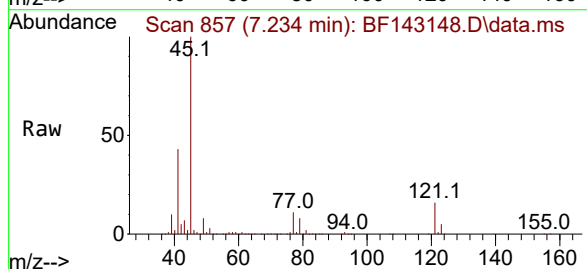
Tgt Ion: 45 Resp: 732274

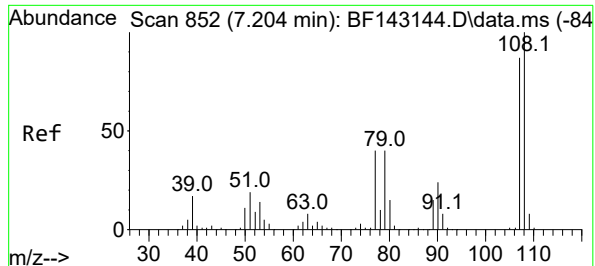
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.2

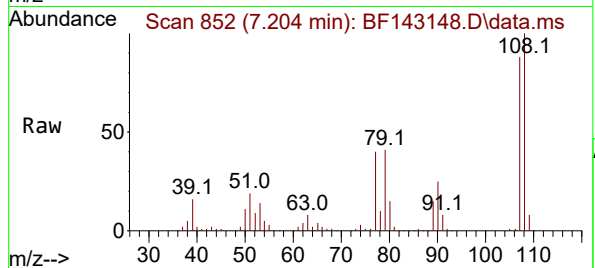
79 8.5 0.0 28.5





#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 852
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

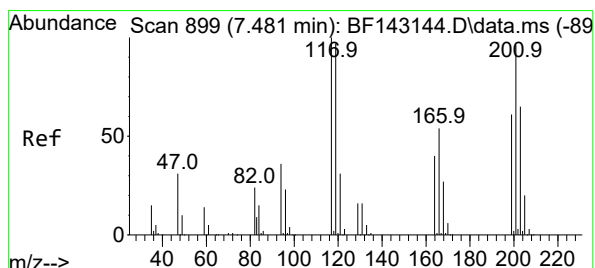
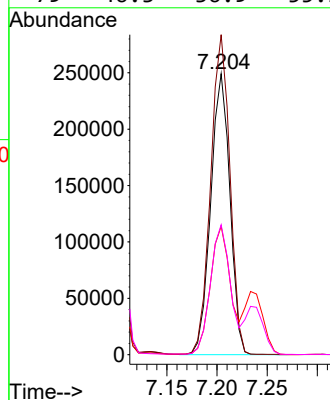
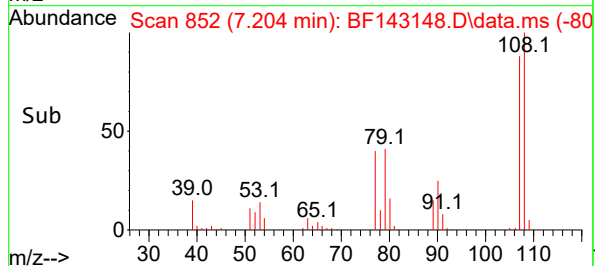
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:107 Resp: 331709
Ion Ratio Lower Upper
107 100
108 113.9 91.8 137.6
77 45.7 37.0 55.6
79 46.3 36.9 55.3

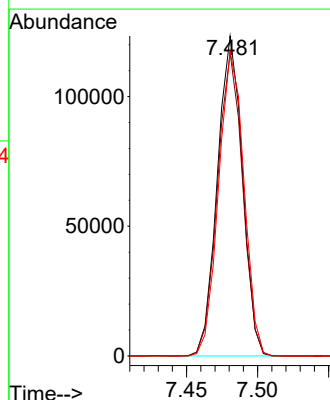
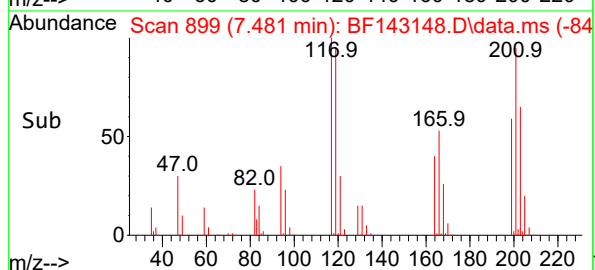
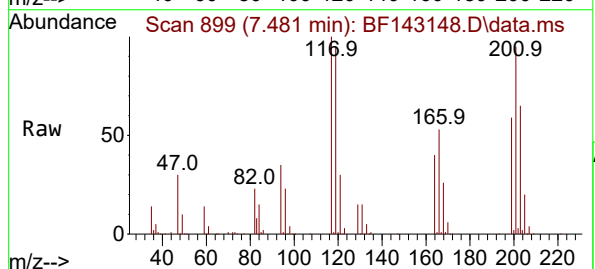
Manual Integrations
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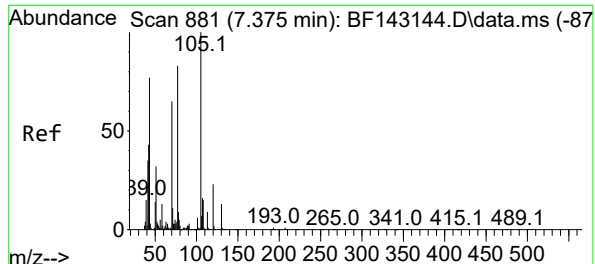
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:117 Resp: 151232
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.8
201 95.2 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.342 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143148.D

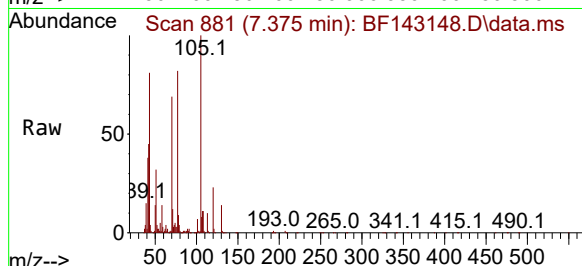
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion: 70 Resp: 29617

Ion Ratio Lower Upper

70 100

42 65.6 52.5 78.7

101 9.8 7.6 11.4

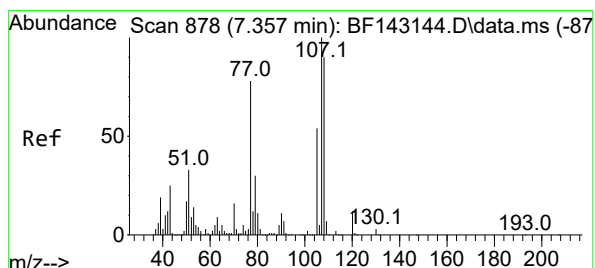
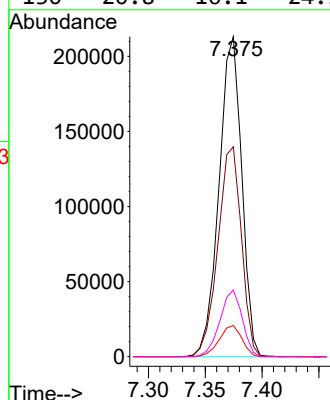
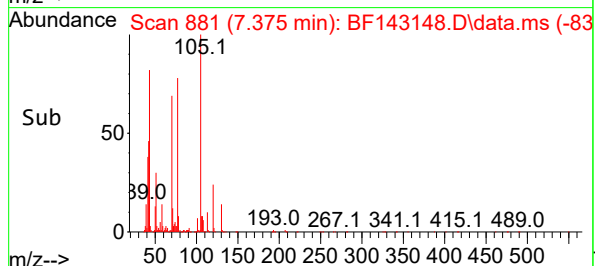
130 20.8 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#20

3+4-Methylphenols

Concen: 42.387 ng

RT: 7.357 min Scan# 878

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 412065

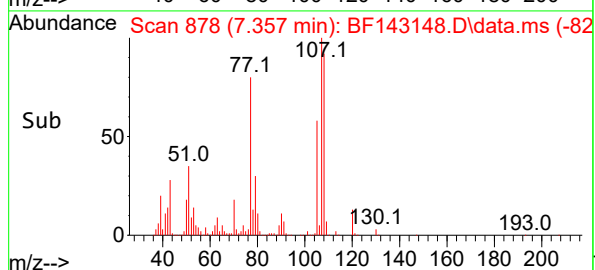
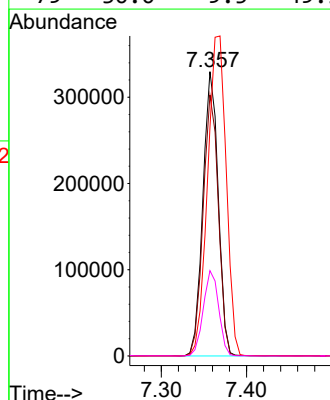
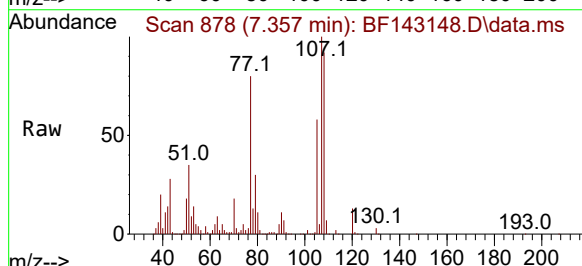
Ion Ratio Lower Upper

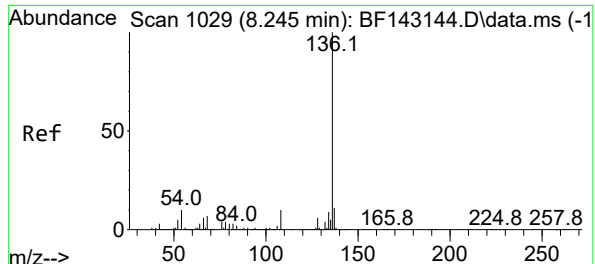
107 100

108 91.8 70.0 110.0

77 80.5 57.8 97.8

79 30.0 9.5 49.5





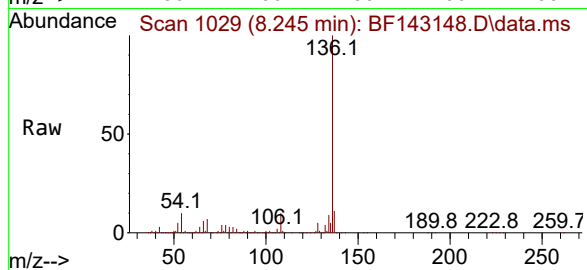
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

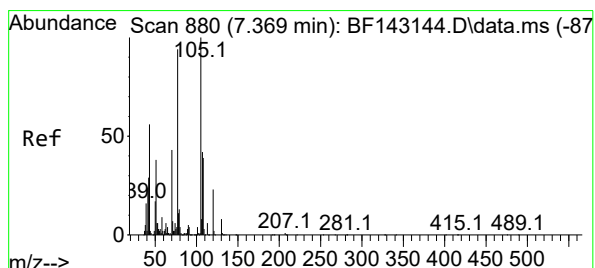
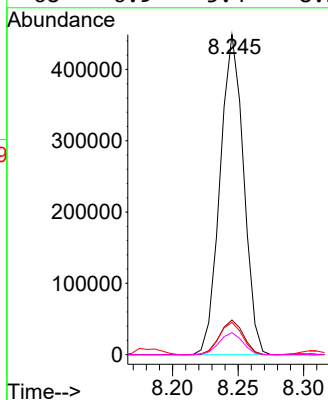
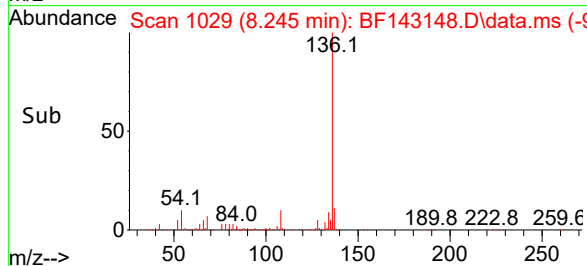


Tgt Ion:136 Resp: 559672
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.2 12.2
68 6.9 5.4 8.2

Manual Integrations

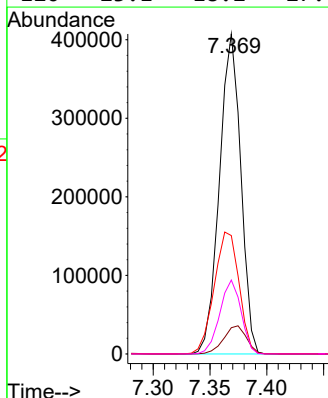
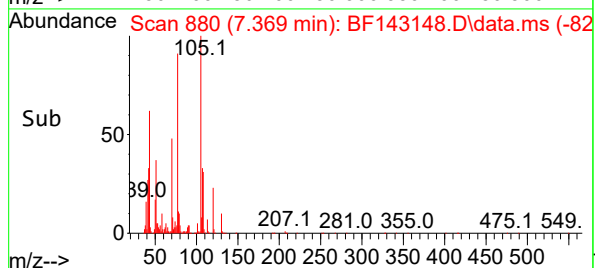
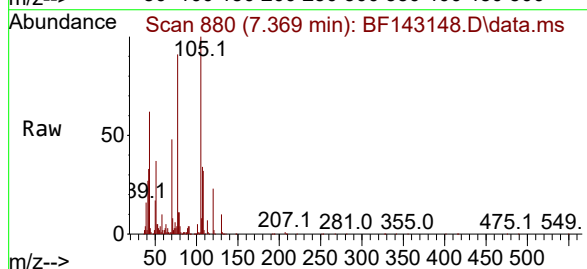
APPROVED

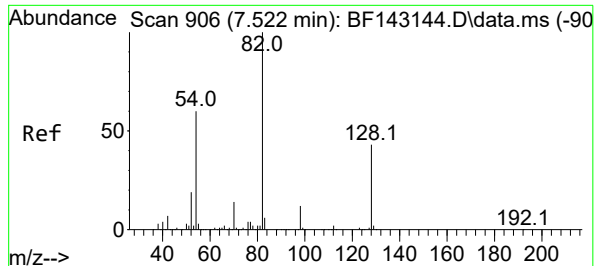
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:105 Resp: 533464
Ion Ratio Lower Upper
105 100
71 8.2 5.8 8.6
51 37.0 30.2 45.2
120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 72.247 ng

RT: 7.522 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion: 82 Resp: 811178

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

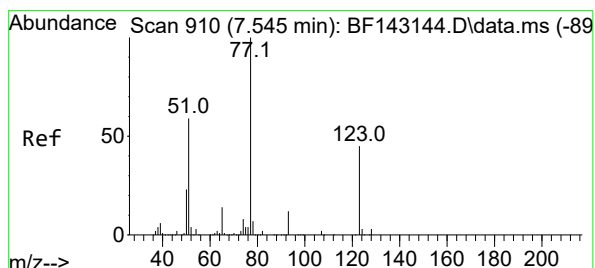
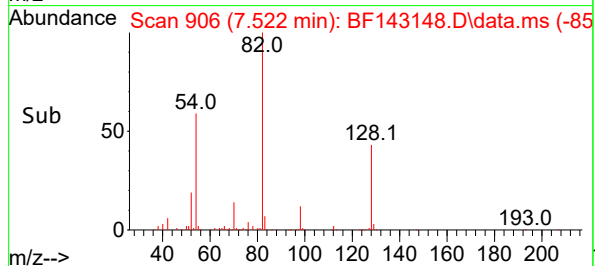
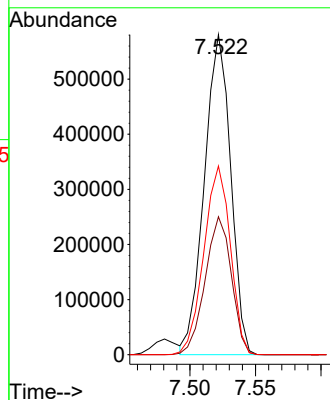
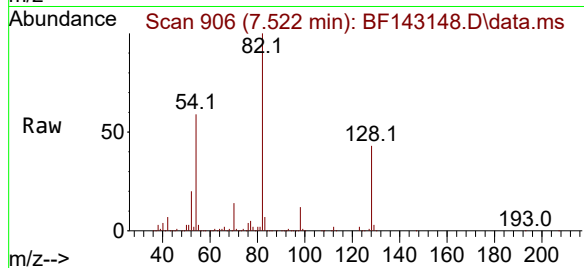
54 58.9 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#24

Nitrobenzene

Concen: 41.731 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

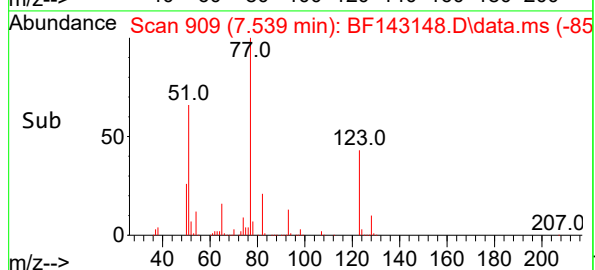
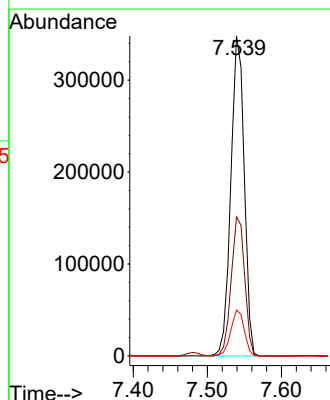
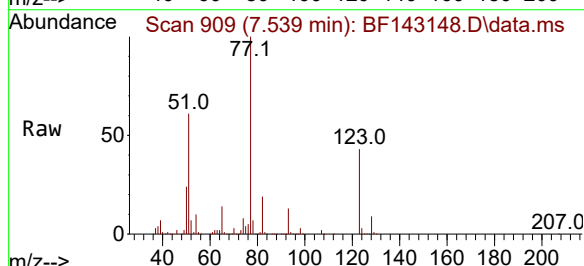
Tgt Ion: 77 Resp: 436834

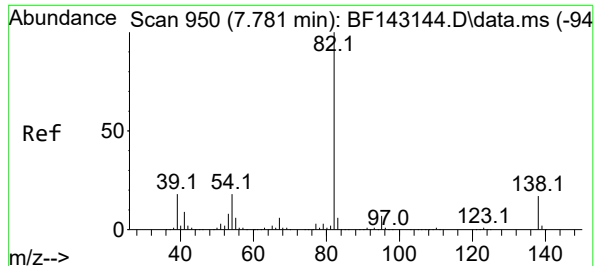
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

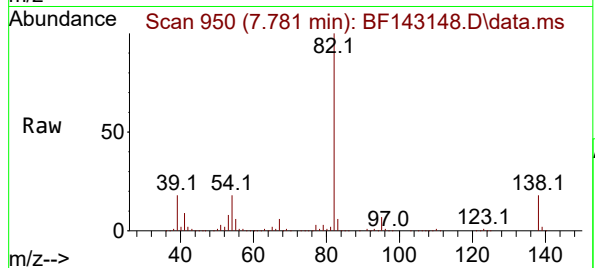
65 14.4 11.4 17.2





#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

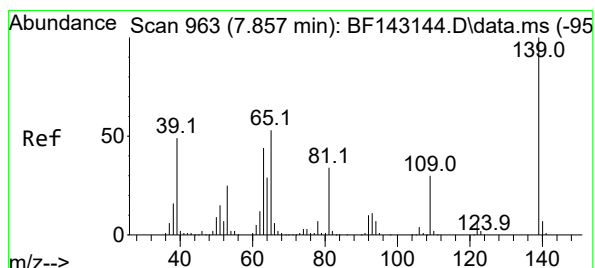
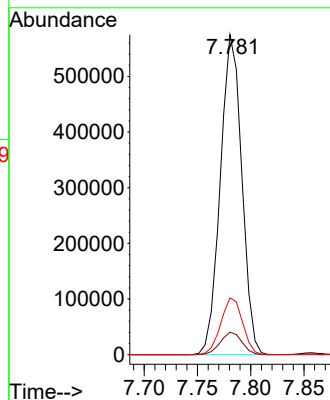
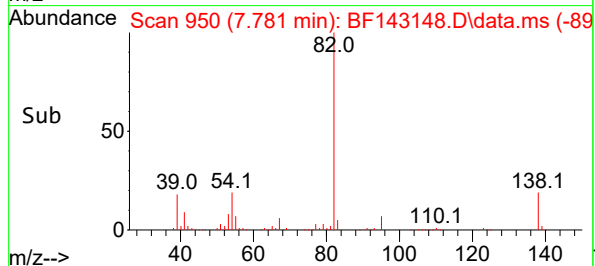
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion: 82 Resp: 80407
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.8 13.8 20.8

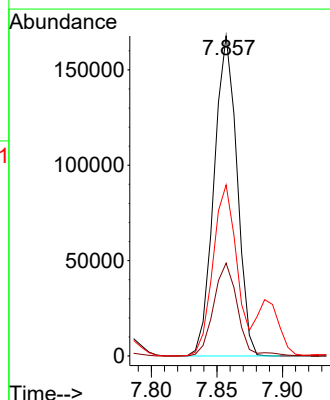
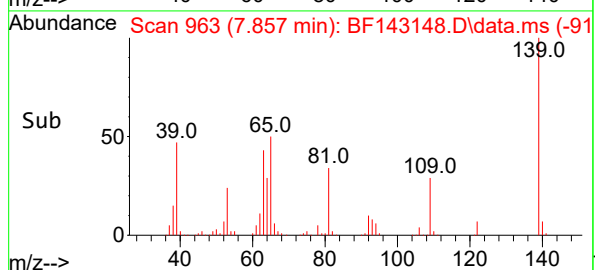
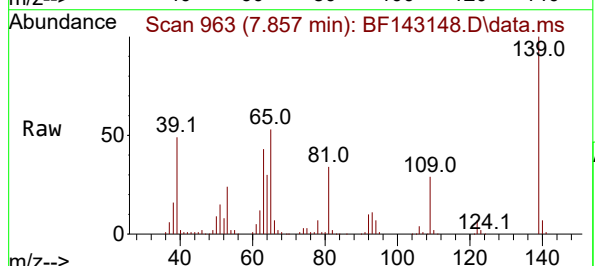
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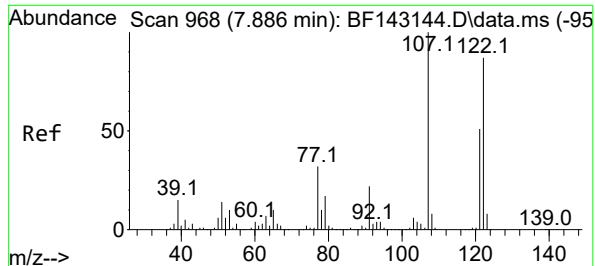
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 203967
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 53.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 40.773 ng

RT: 7.886 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:122 Resp: 37757

Ion Ratio Lower Upper

122 100

107 114.6 91.8 137.6

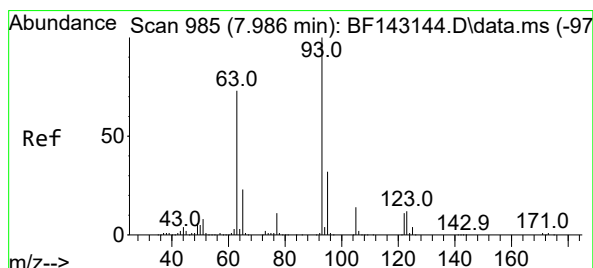
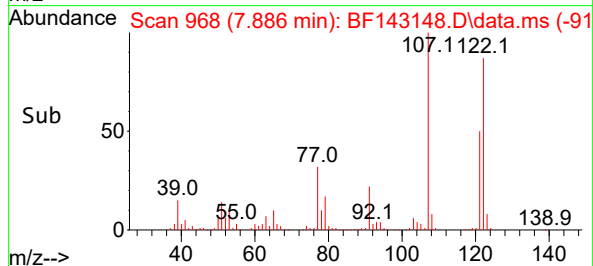
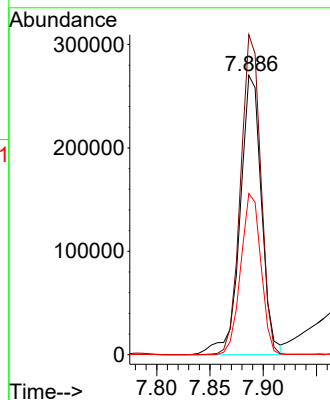
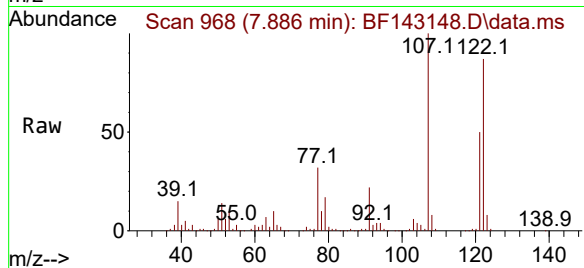
121 57.7 46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#28

bis(2-Chloroethoxy)methane

Concen: 39.939 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

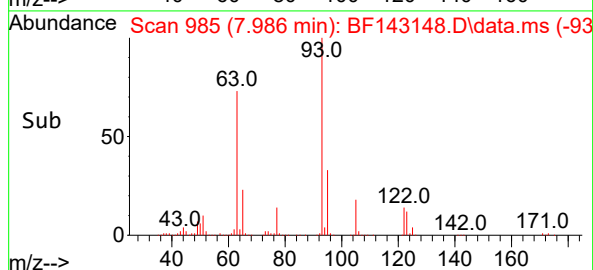
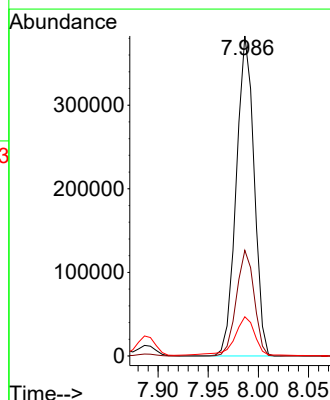
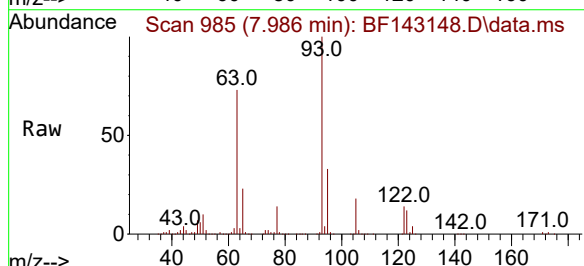
Tgt Ion: 93 Resp: 474637

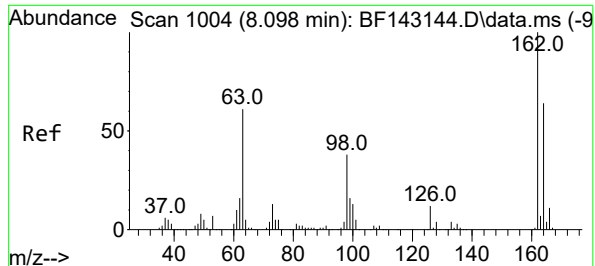
Ion Ratio Lower Upper

93 100

95 33.0 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.875 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:162 Resp: 319210

Ion Ratio Lower Upper

162 100

164 63.6 44.2 84.2

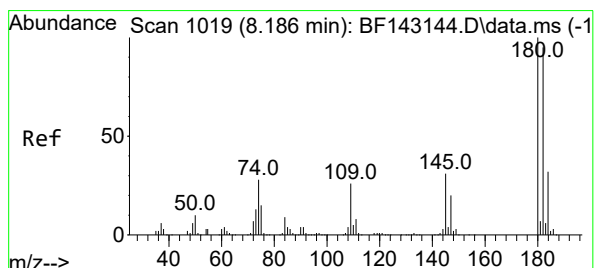
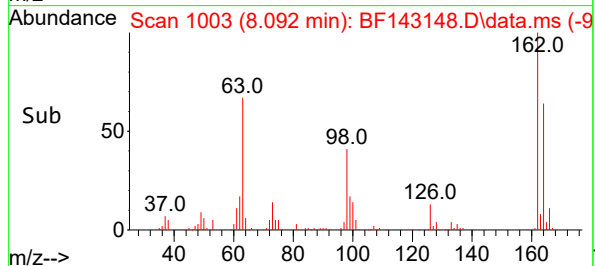
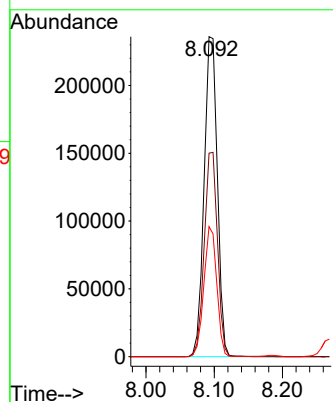
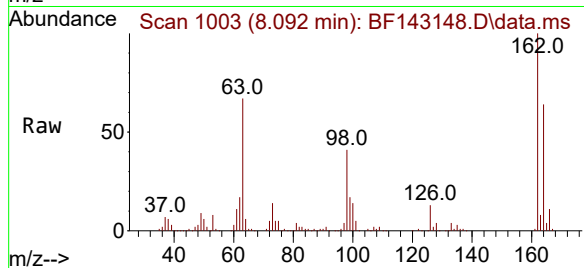
98 40.7 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.551 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

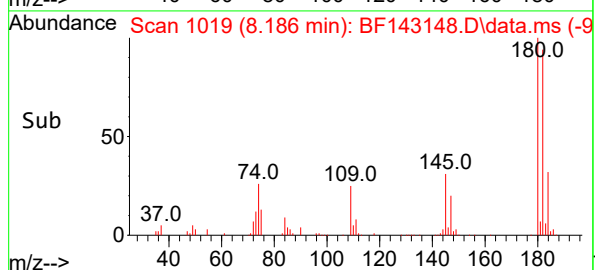
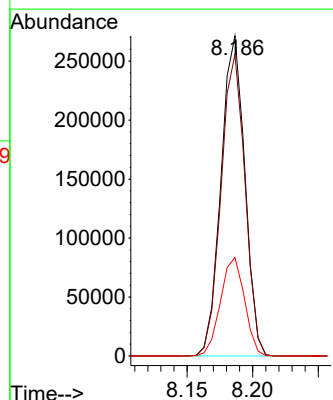
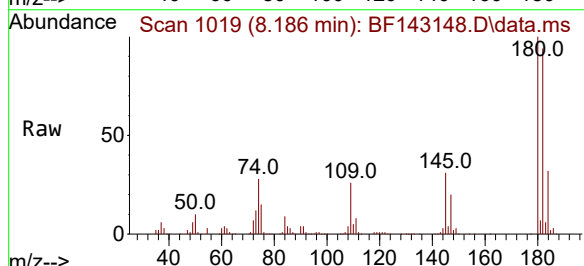
Tgt Ion:180 Resp: 342135

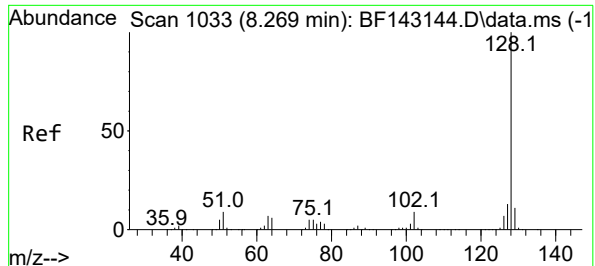
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

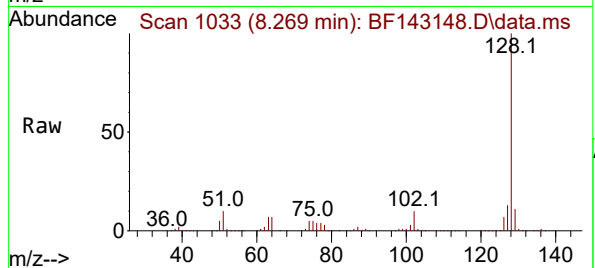
145 30.8 25.0 37.6





#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

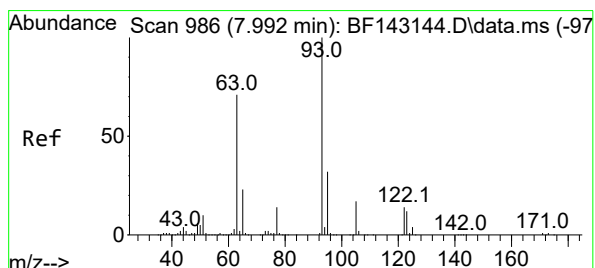
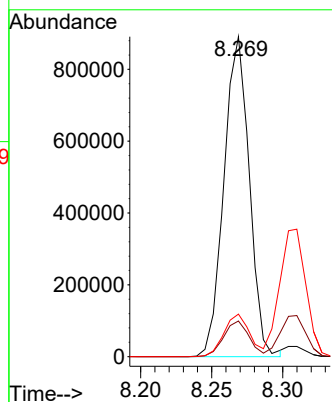
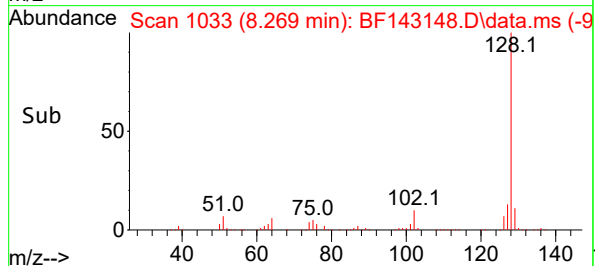
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:128 Resp: 110648
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.3 10.6 16.0

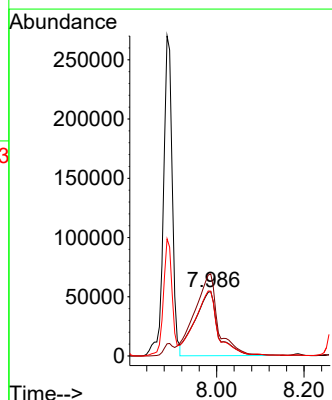
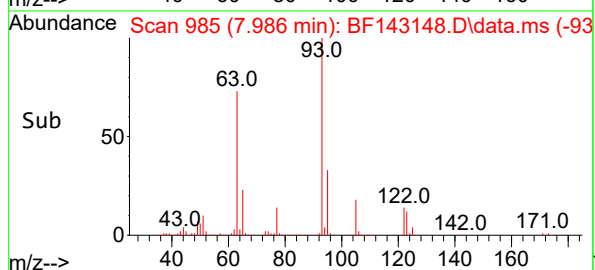
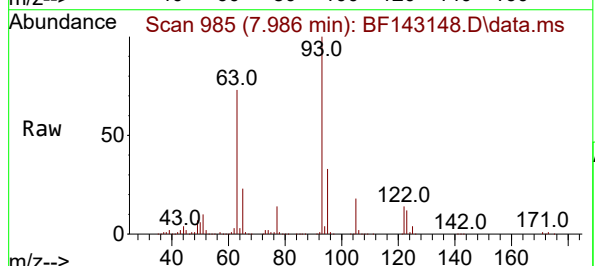
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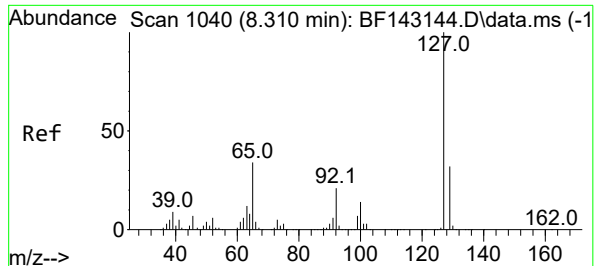
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 202337
Ion Ratio Lower Upper
122 100
105 127.2 104.8 144.8
77 100.3 77.6 117.6





#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

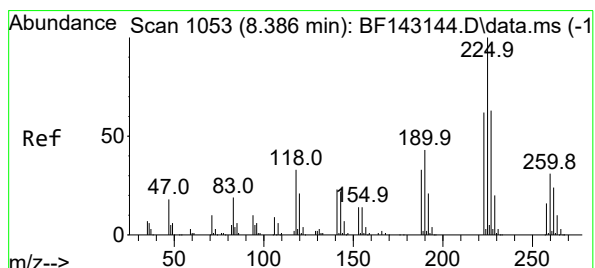
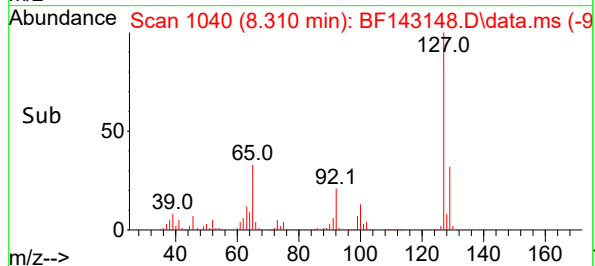
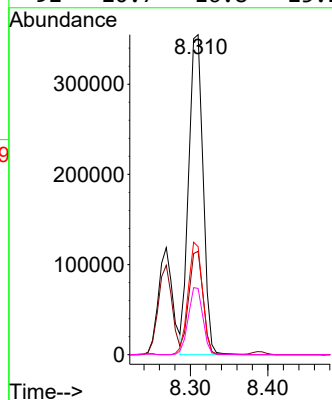
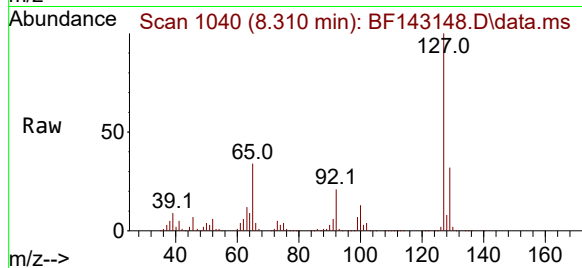
ICVBF071725

Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2

Manual Integrations

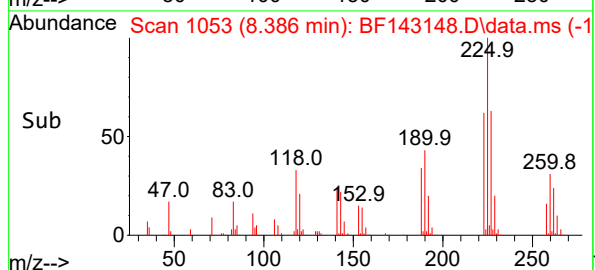
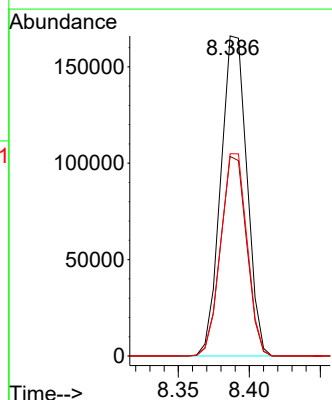
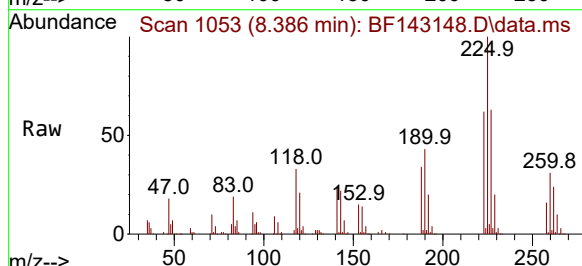
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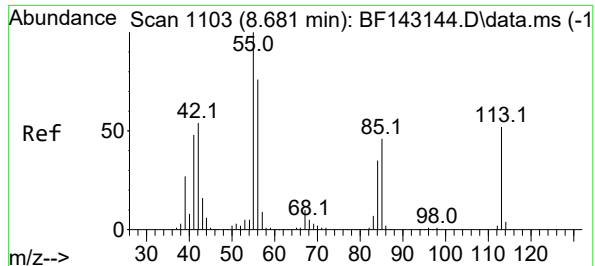
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4





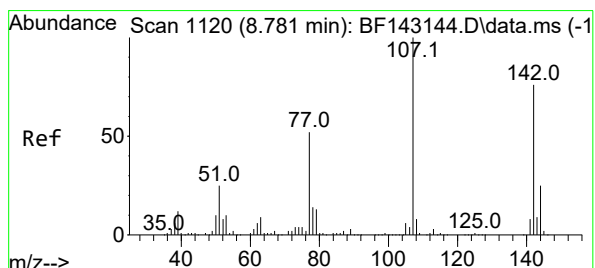
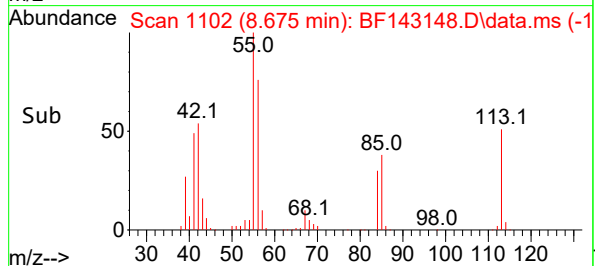
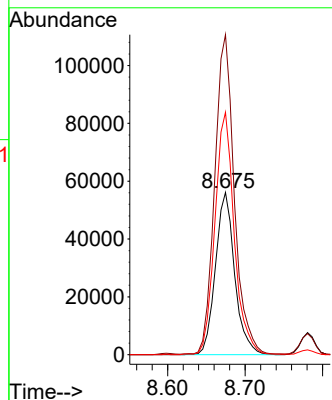
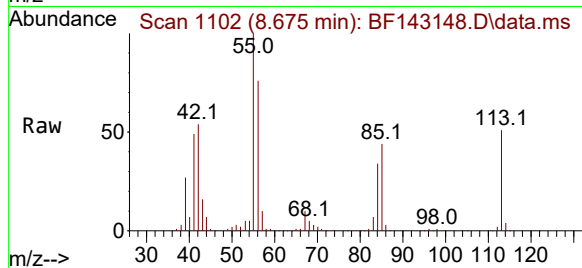
#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:113 Resp: 9666
Ion Ratio Lower Upper
113 100
55 197.3 174.0 214.0
56 149.4 126.6 166.6

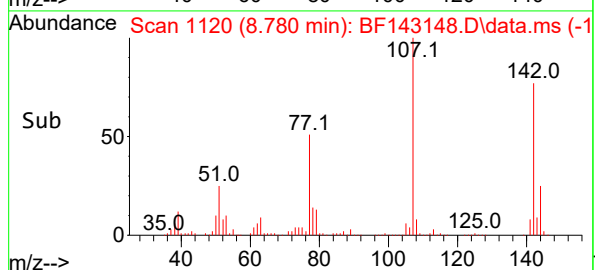
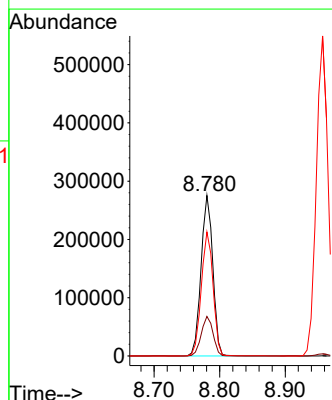
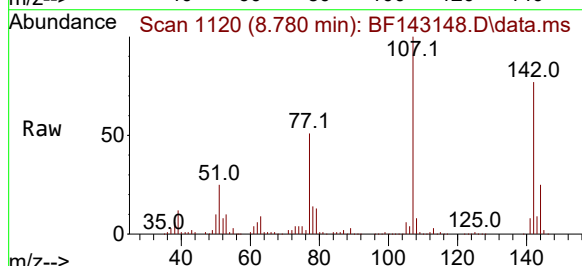
Manual Integrations
APPROVED

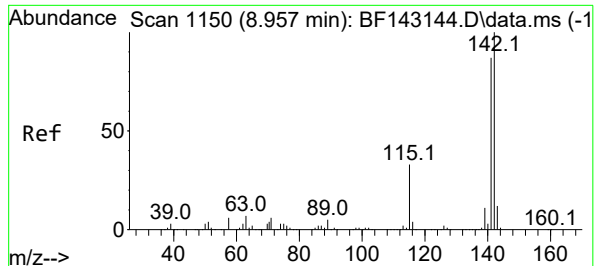
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

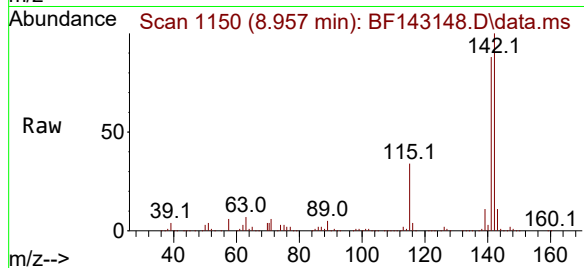
Tgt Ion:107 Resp: 344726
Ion Ratio Lower Upper
107 100
144 24.6 19.8 29.6
142 77.3 60.6 90.8





#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

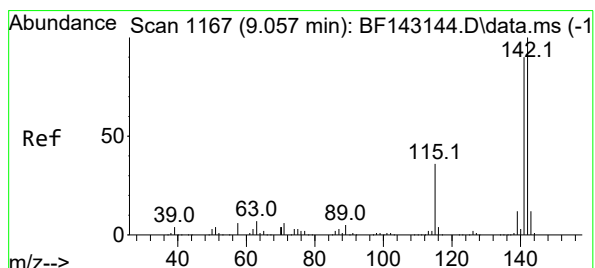
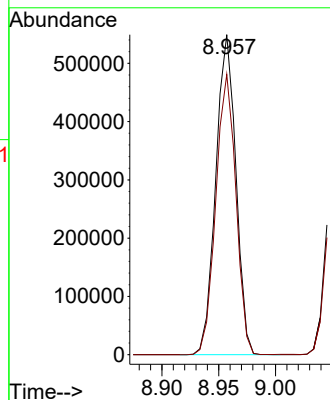
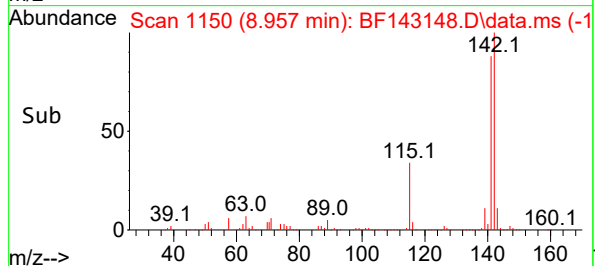
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:142 Resp: 675594
Ion Ratio Lower Upper
142 100
141 87.6 69.9 104.9

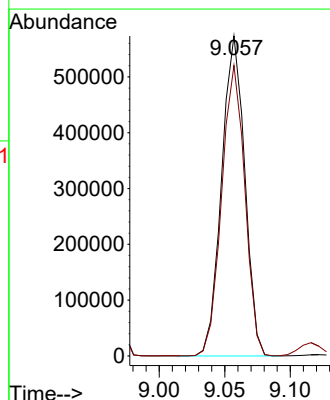
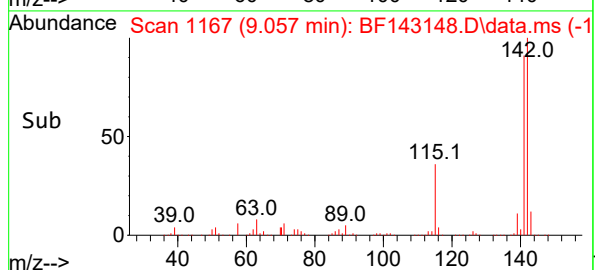
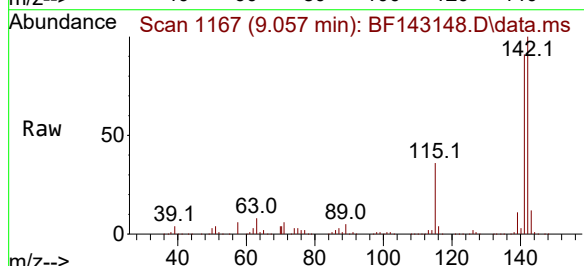
Manual Integrations
APPROVED

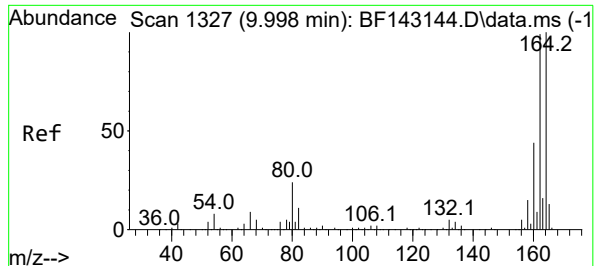
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143148.D

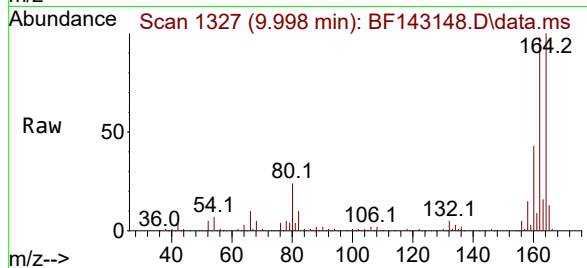
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:164 Resp: 28725

Ion Ratio Lower Upper

164 100

162 97.5 79.0 118.6

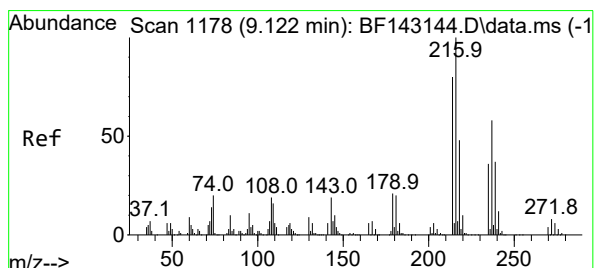
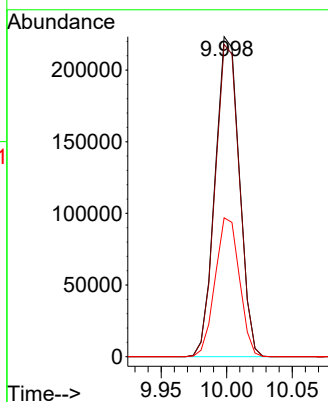
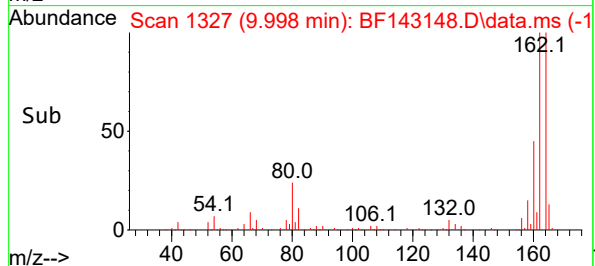
160 43.4 35.1 52.7

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.944 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567

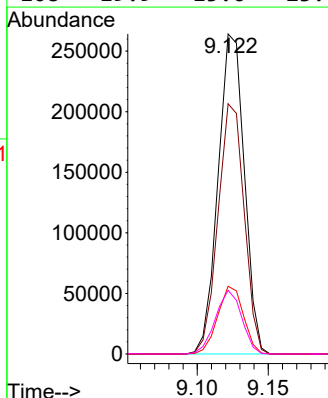
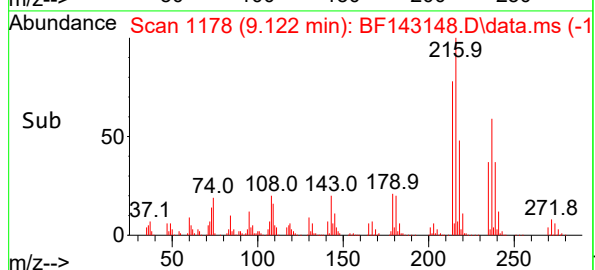
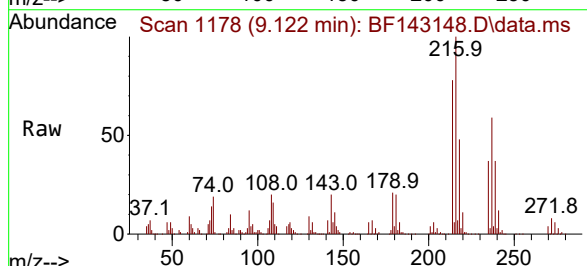
Ion Ratio Lower Upper

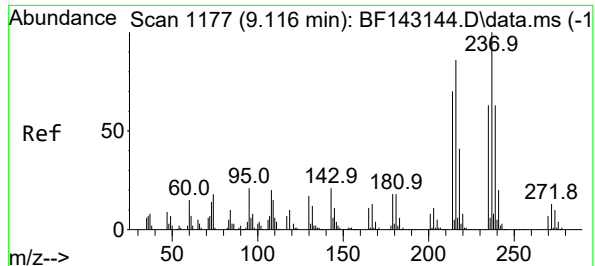
216 100

214 77.8 63.8 95.8

179 20.8 16.4 24.6

108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 42.872 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

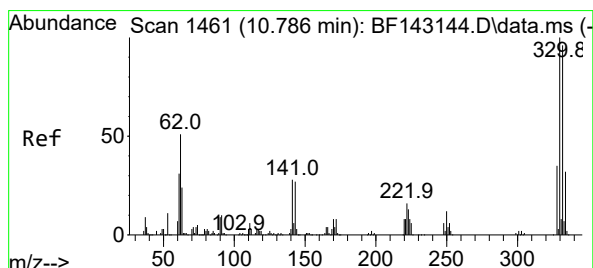
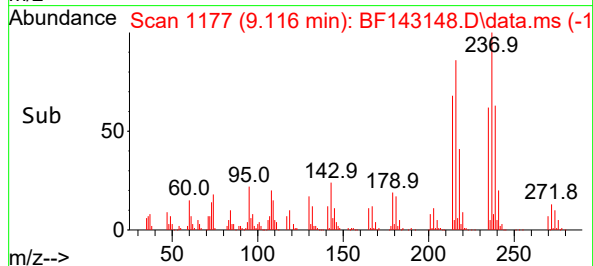
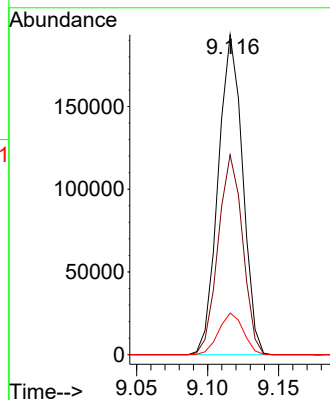
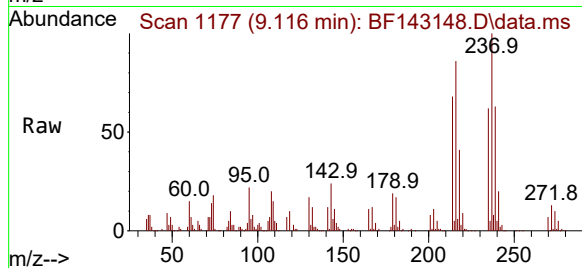
Tgt Ion:	237	Resp:	231349
Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	13.0	0.0	33.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#42

2,4,6-Tribromophenol

Concen: 79.969 ng

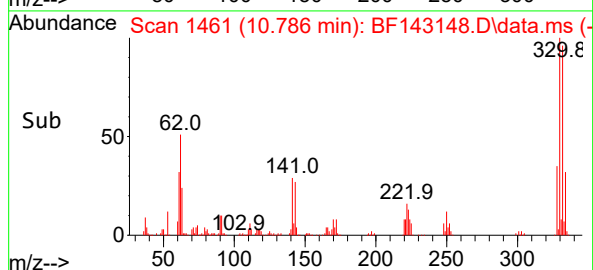
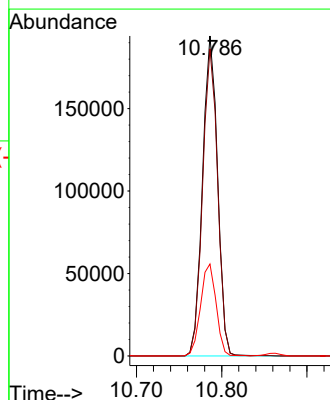
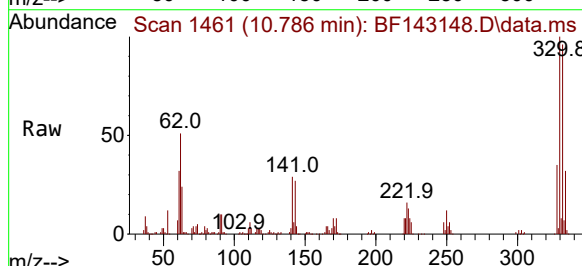
RT: 10.786 min Scan# 1461

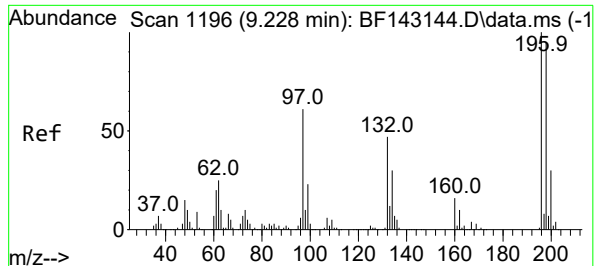
Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Tgt Ion:	330	Resp:	237309
Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	29.8	23.3	34.9





#43

2,4,6-Trichlorophenol

Concen: 40.253 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF143148.D

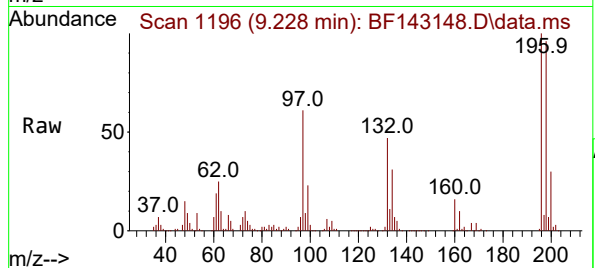
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:196 Resp: 23104

Ion Ratio Lower Upper

196 100

198 95.9 76.2 114.2

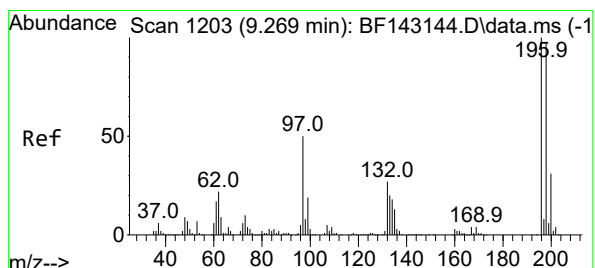
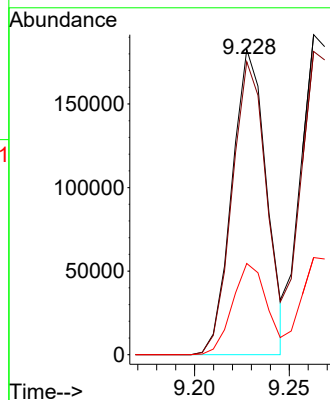
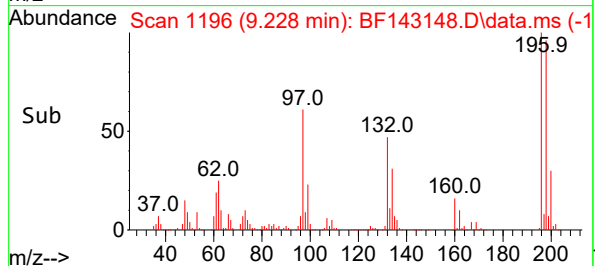
200 29.9 23.9 35.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#44

2,4,5-Trichlorophenol

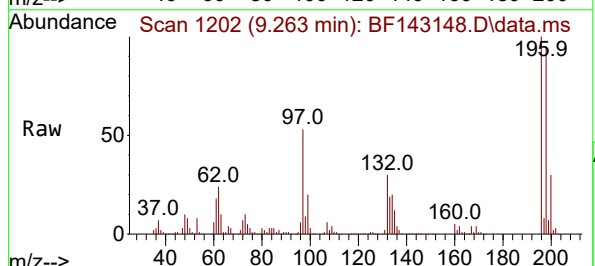
Concen: 42.989 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



Tgt Ion:196 Resp: 246820

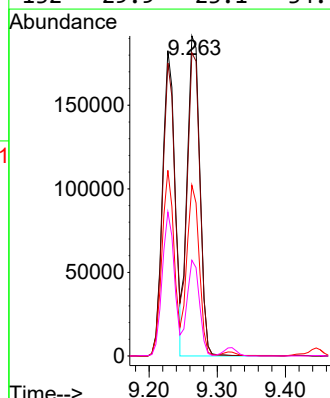
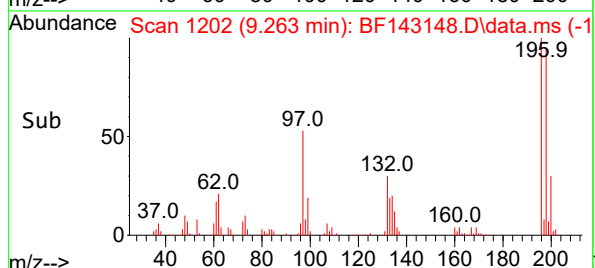
Ion Ratio Lower Upper

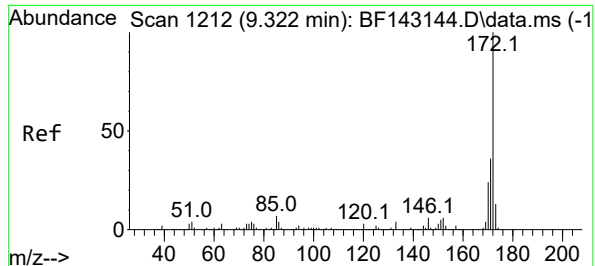
196 100

198 94.8 77.3 115.9

97 53.3 40.3 60.5

132 29.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 68.992 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:172 Resp: 1449098

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

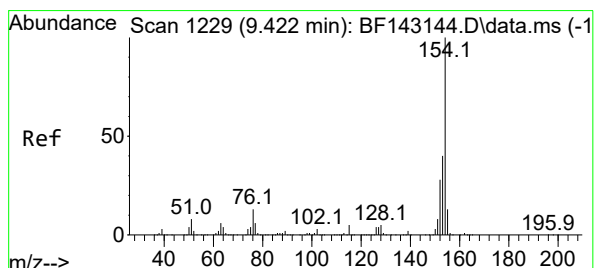
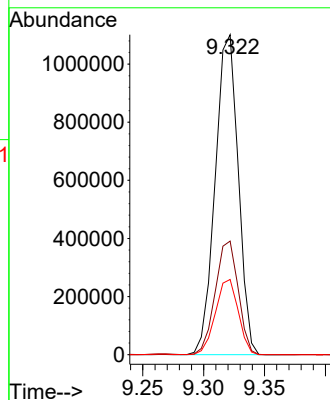
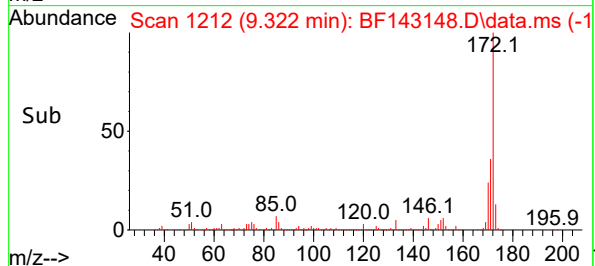
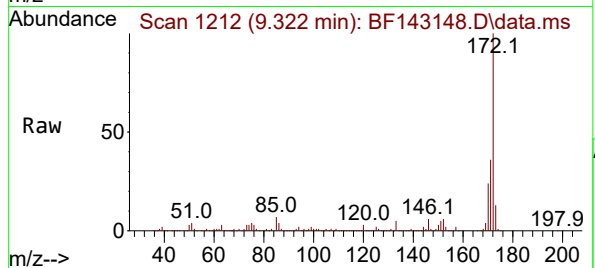
170 23.5 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 41.053 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

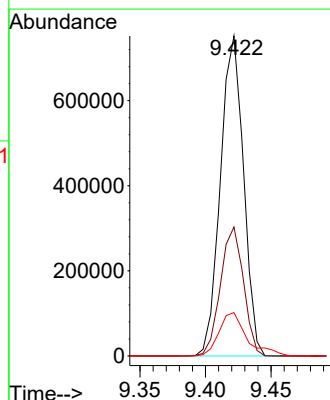
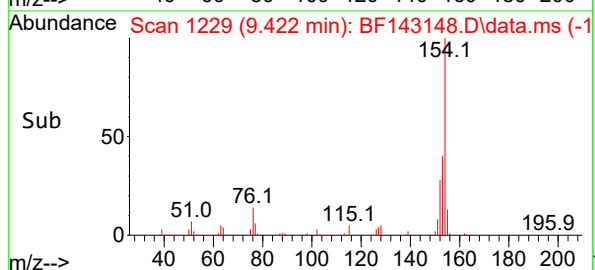
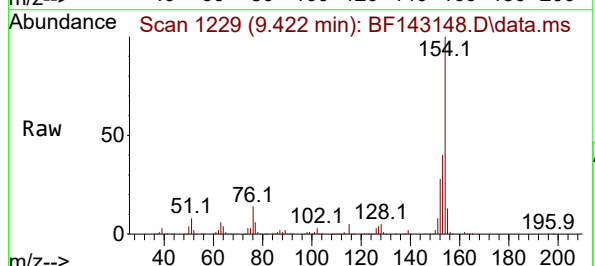
Tgt Ion:154 Resp: 920059

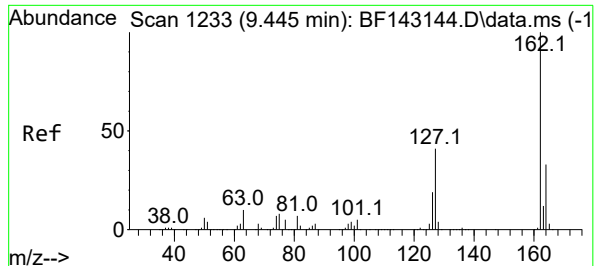
Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 40.184 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143148.D

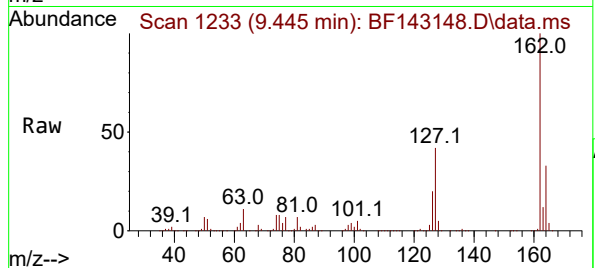
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



Tgt Ion:162 Resp: 666359

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

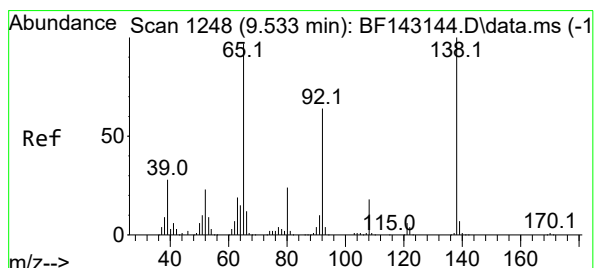
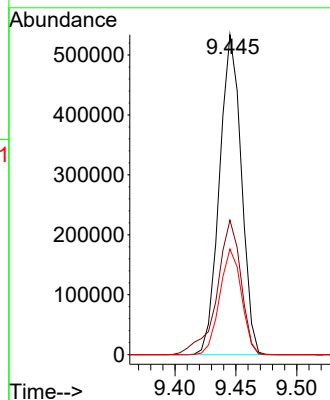
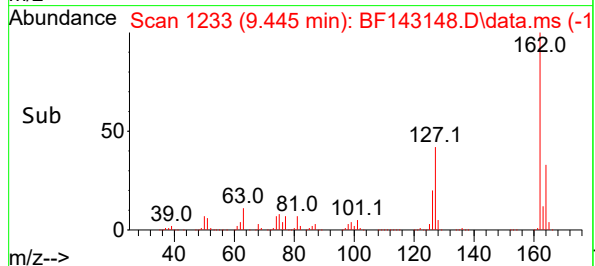
164 33.0 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#48

2-Nitroaniline

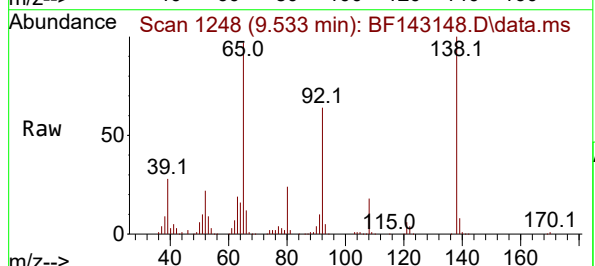
Concen: 43.723 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06



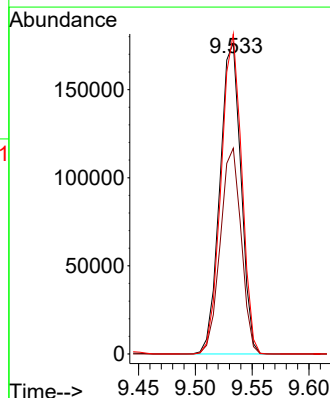
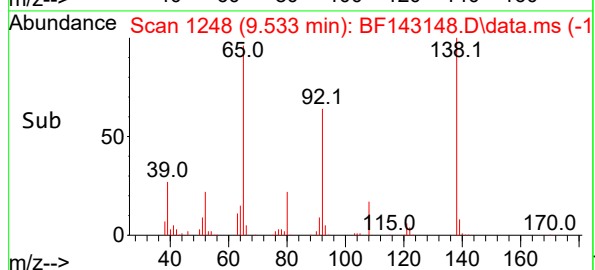
Tgt Ion: 65 Resp: 227376

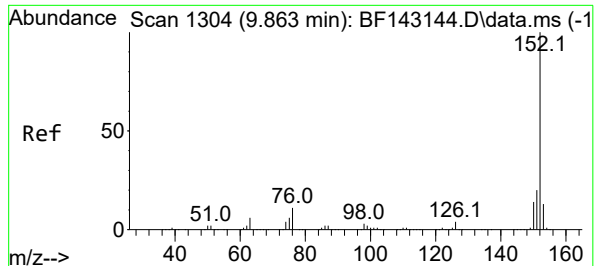
Ion Ratio Lower Upper

65 100

92 66.2 52.4 78.6

138 102.9 82.3 123.5





#49

Acenaphthylene

Concen: 40.013 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:152 Resp: 1111992

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

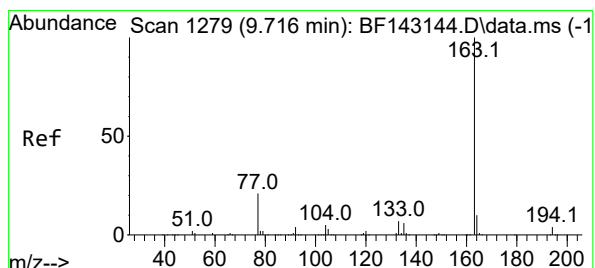
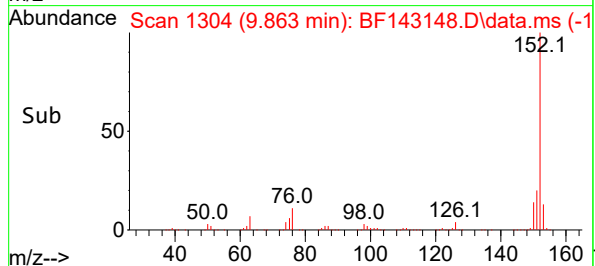
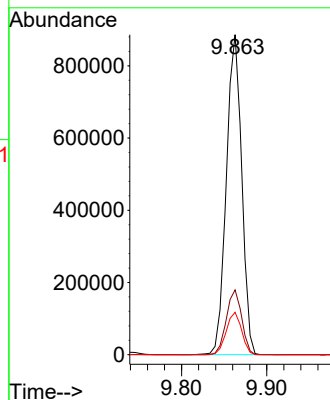
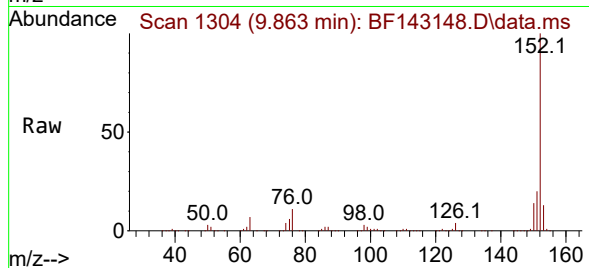
153 13.3 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#50

Dimethylphthalate

Concen: 40.218 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

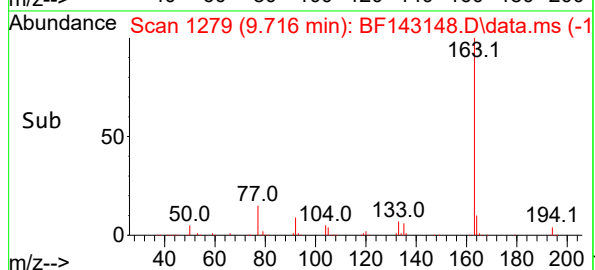
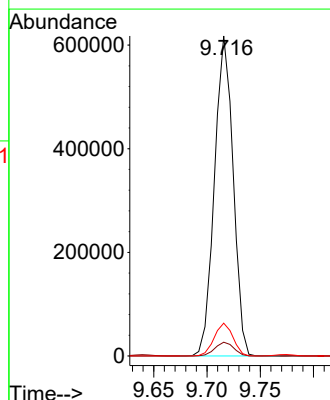
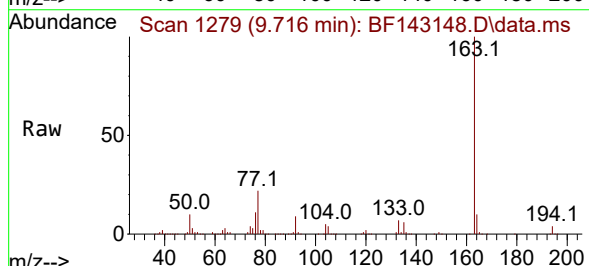
Tgt Ion:163 Resp: 753041

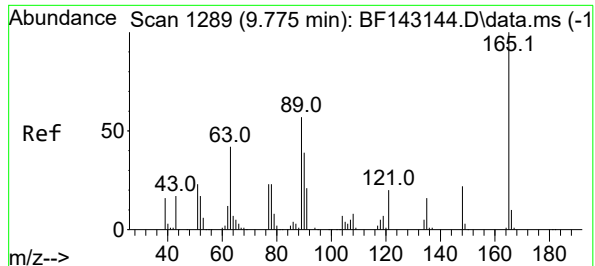
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

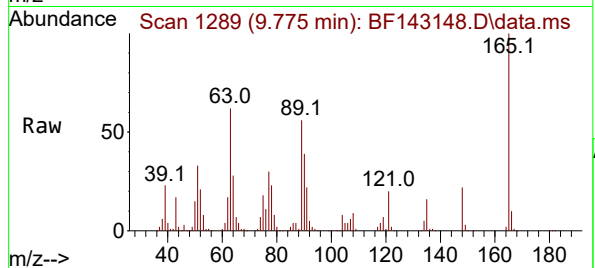
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

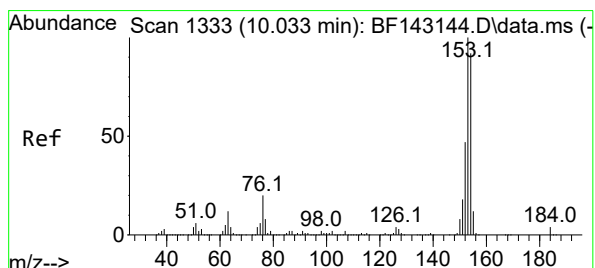
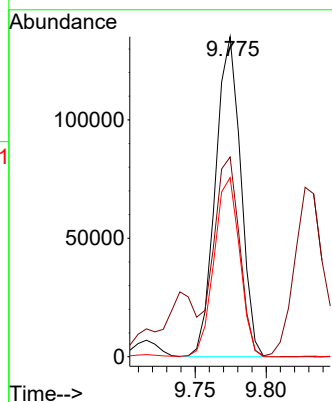
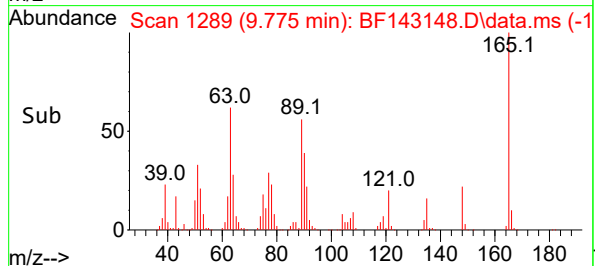
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:165 Resp: 16691
Ion Ratio Lower Upper
165 100
63 62.4 49.4 74.2
89 56.0 46.2 69.2

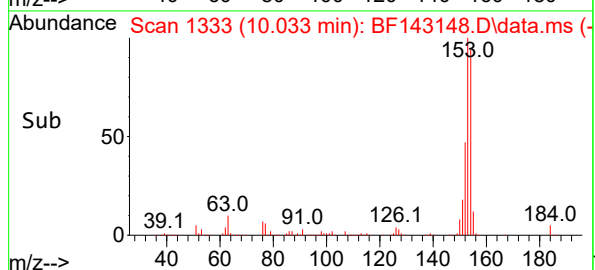
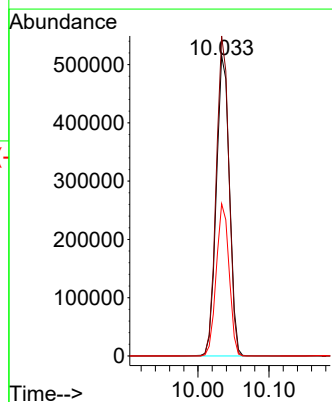
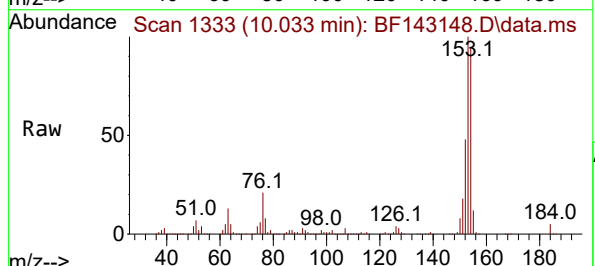
Manual Integrations
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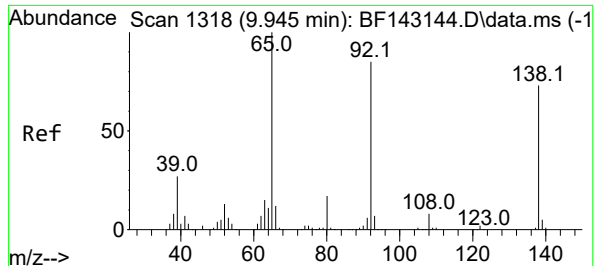
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908
Ion Ratio Lower Upper
154 100
153 106.6 86.6 129.8
152 50.7 40.4 60.6





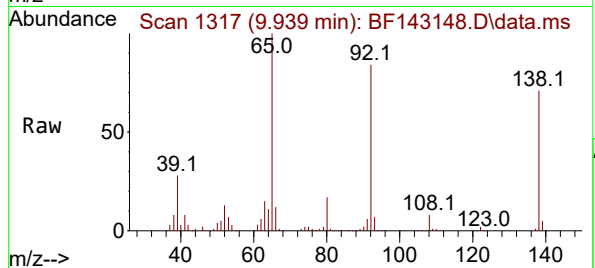
#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

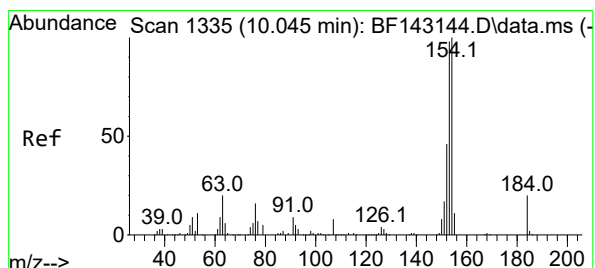
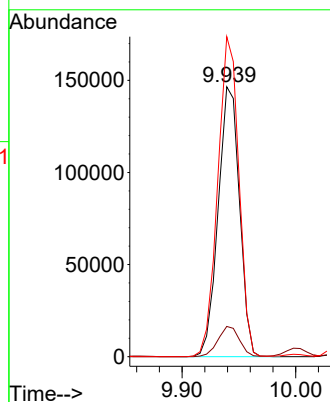
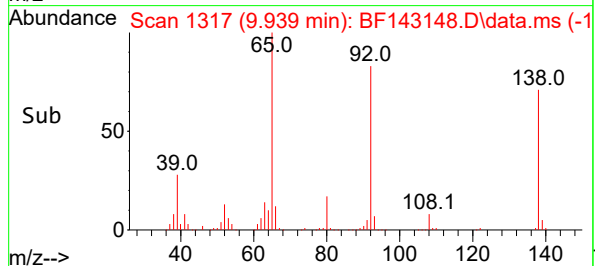


Tgt Ion:138 Resp: 191512
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 118.6 93.0 139.4

Manual Integrations

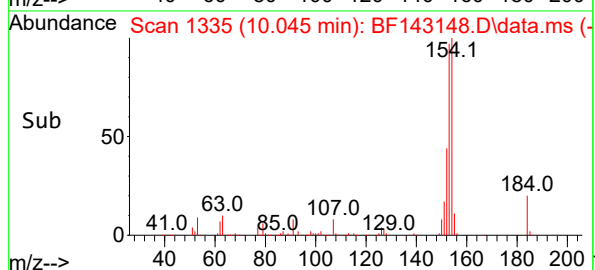
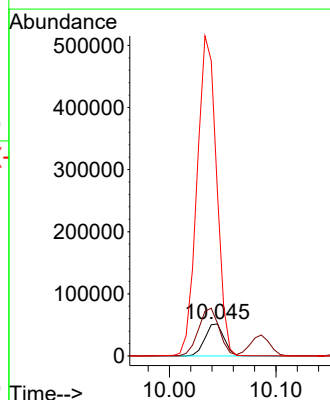
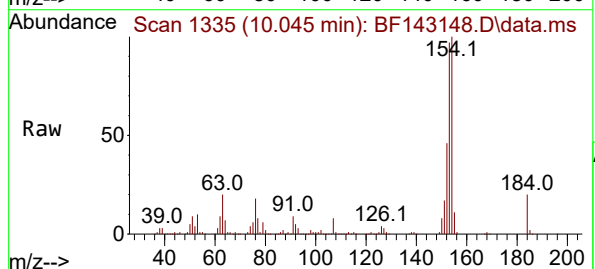
APPROVED

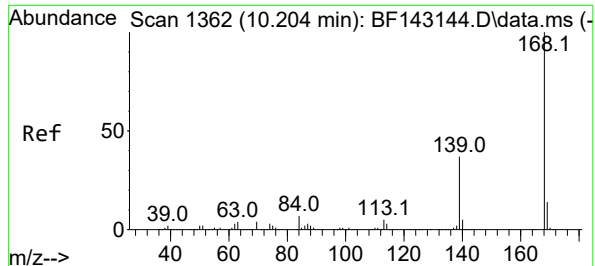
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

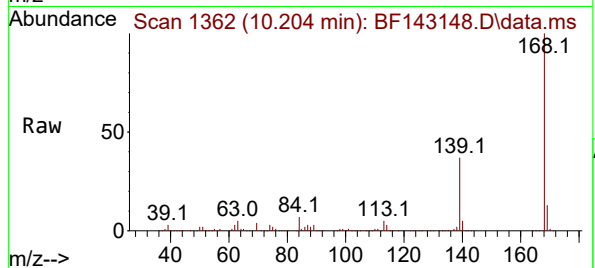
Tgt Ion:184 Resp: 64659
Ion Ratio Lower Upper
184 100
63 102.3 81.8 122.6
154 509.4 412.2 618.4





#55
Dibenzenofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1362
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

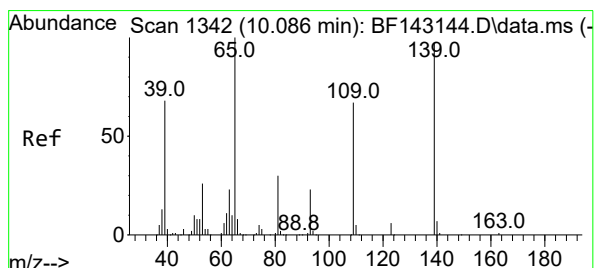
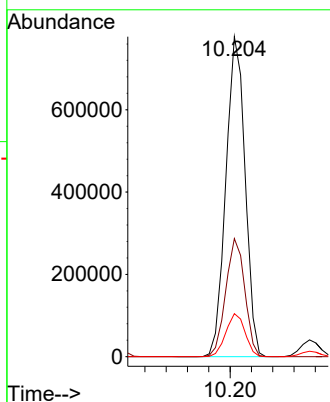
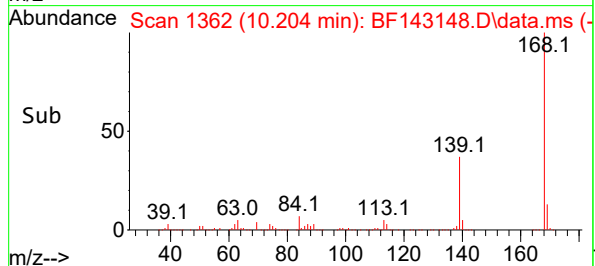
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:168 Resp: 97499
Ion Ratio Lower Upper
168 100
139 36.9 29.5 44.3
169 13.5 10.9 16.3

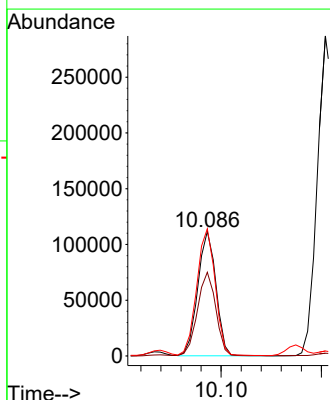
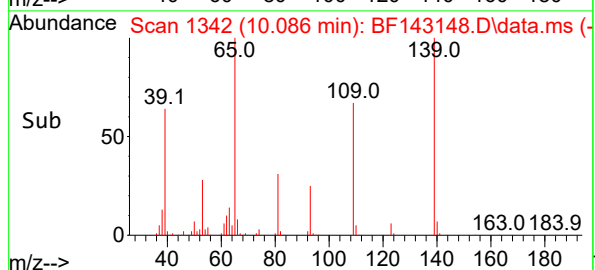
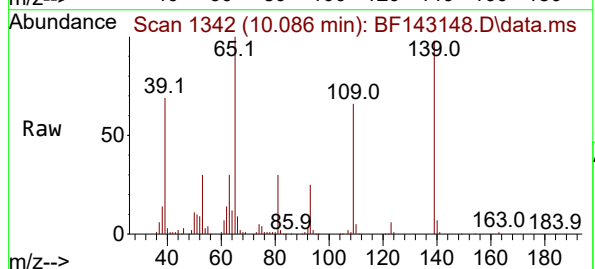
Manual Integrations
APPROVED

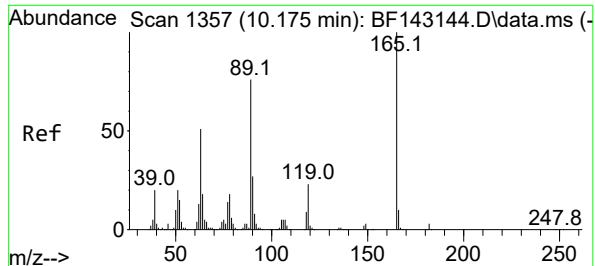
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

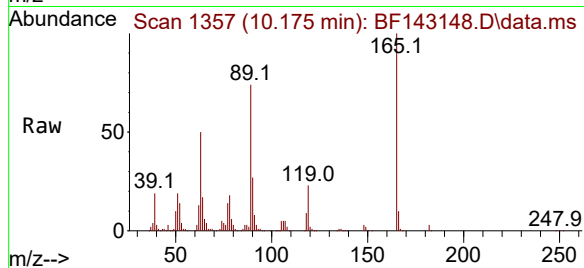
Tgt Ion:139 Resp: 140876
Ion Ratio Lower Upper
139 100
109 67.2 48.5 88.5
65 102.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 1357
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

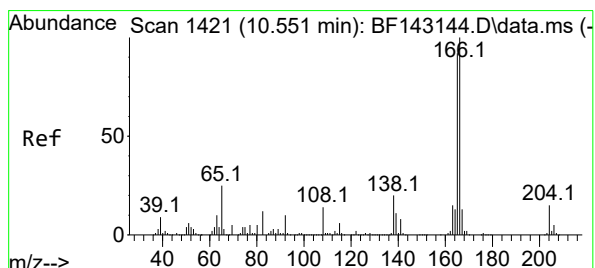
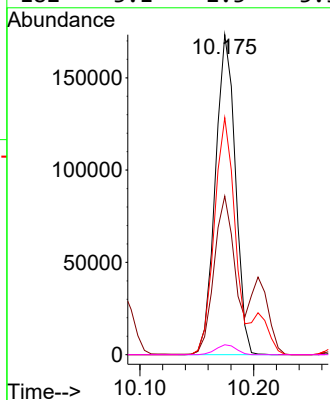
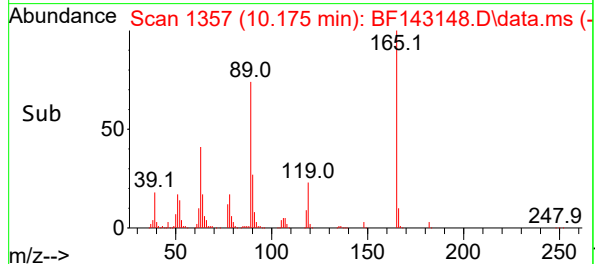
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:165 Resp: 212369
Ion Ratio Lower Upper
165 100
63 49.5 41.0 61.4
89 74.0 61.1 91.7
182 3.1 2.3 3.5

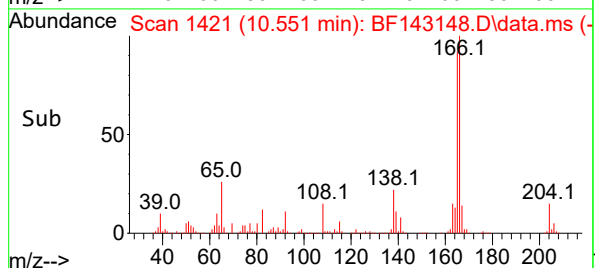
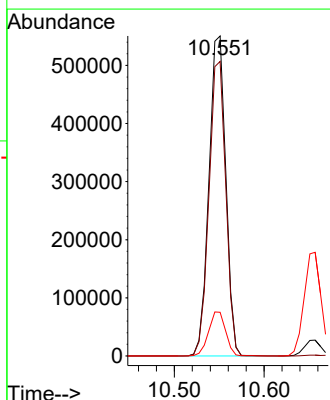
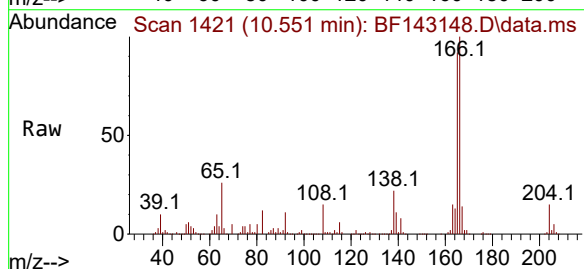
Manual Integrations
APPROVED

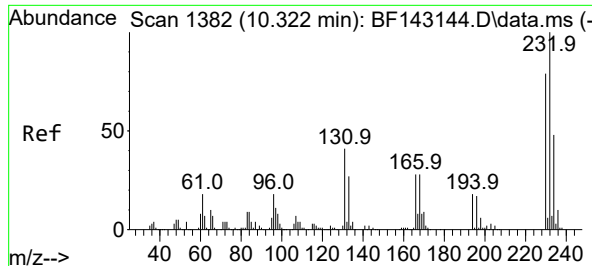
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

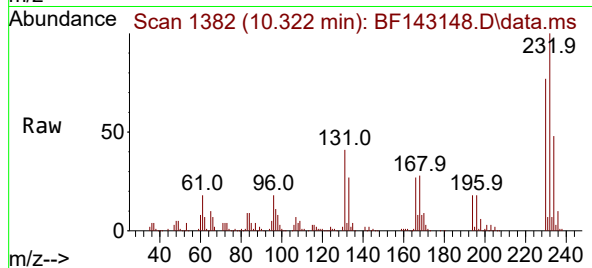
Tgt Ion:166 Resp: 717816
Ion Ratio Lower Upper
166 100
165 92.1 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

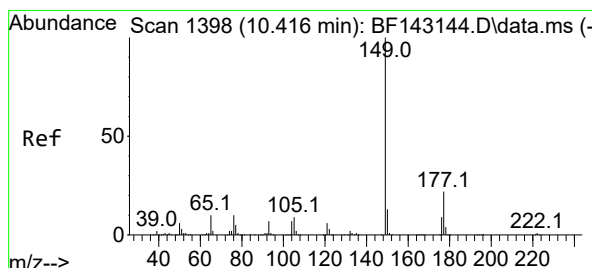
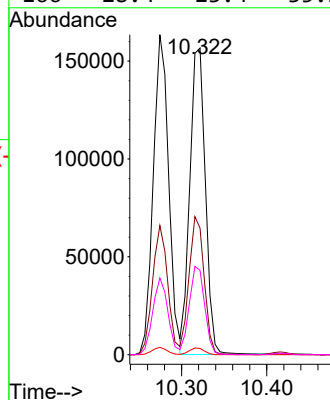
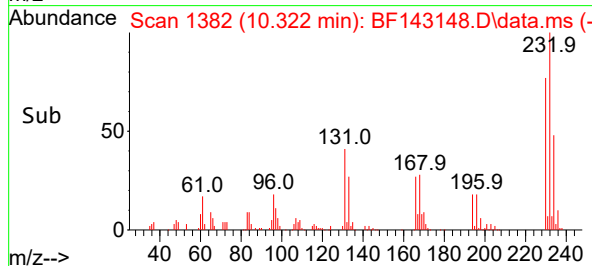
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



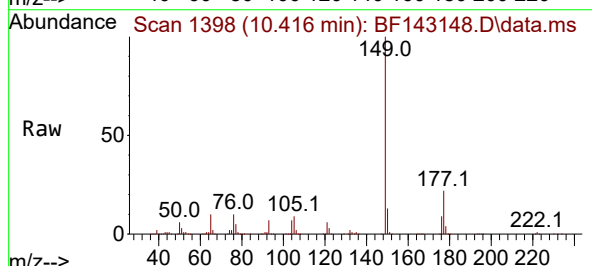
Tgt Ion:232 Resp: 198530
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 28.4 23.4 35.2

Manual Integrations
APPROVED

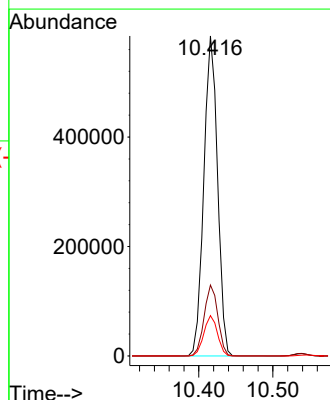
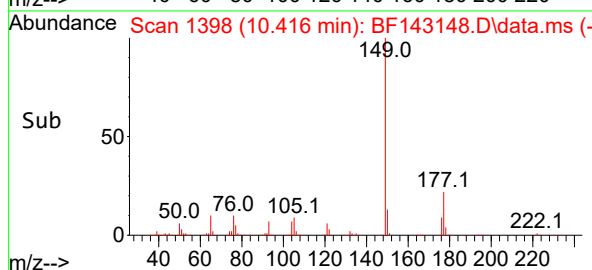
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

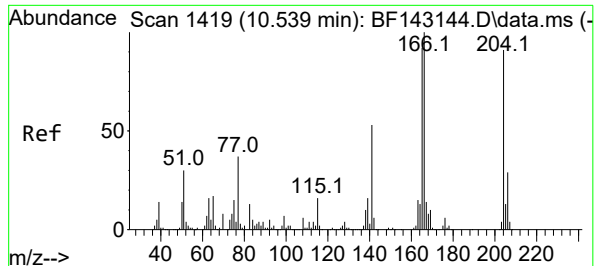


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



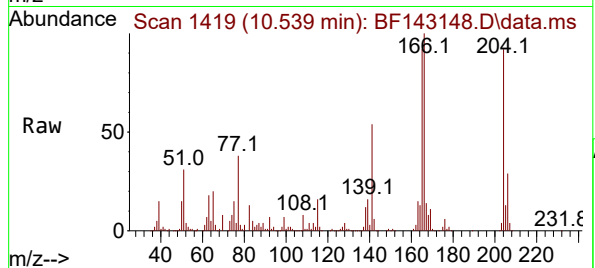
Tgt Ion:149 Resp: 753774
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

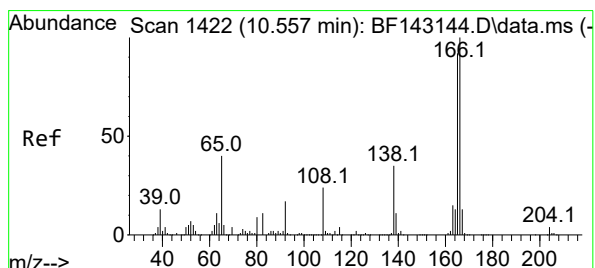
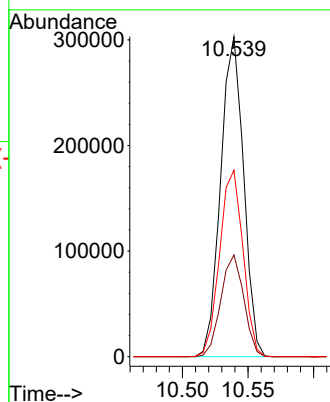
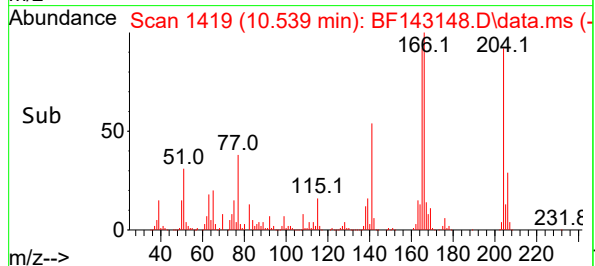
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



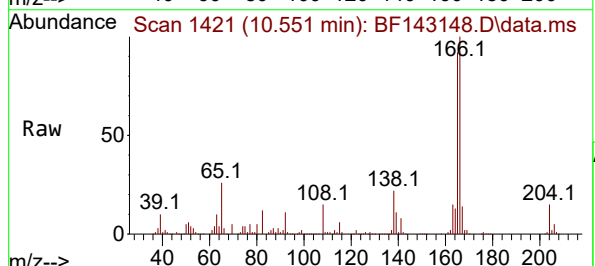
Tgt Ion:204 Resp: 36798
Ion Ratio Lower Upper
204 100
206 31.8 25.8 38.8
141 58.3 47.0 70.4

Manual Integrations
APPROVED

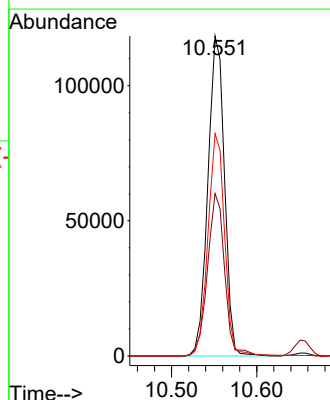
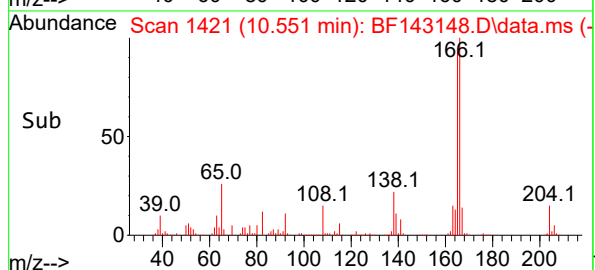
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

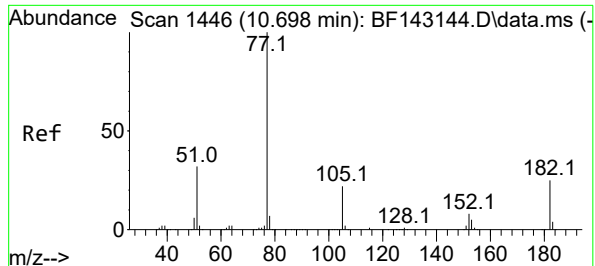


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion:138 Resp: 160193
Ion Ratio Lower Upper
138 100
92 50.7 29.3 69.3
108 69.5 48.3 88.3





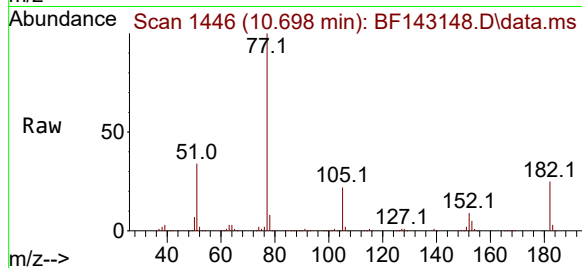
#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



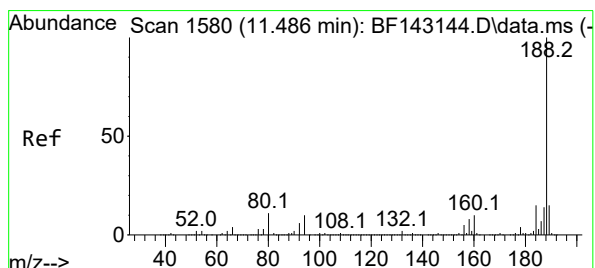
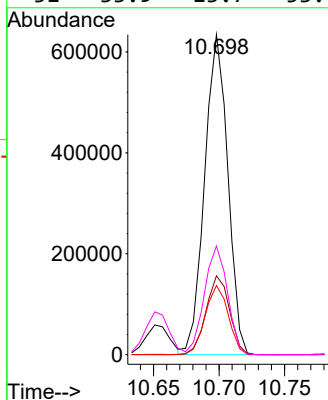
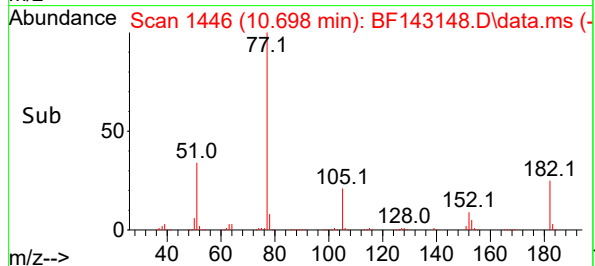
Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.6	1.4	41.4
51	33.9	13.7	53.7

Manual Integrations

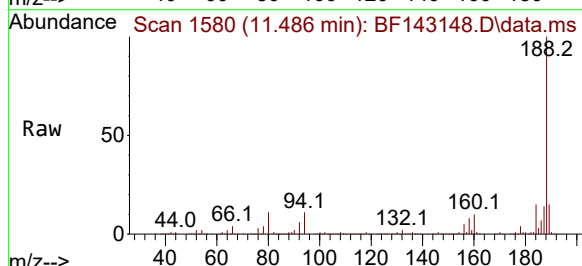
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

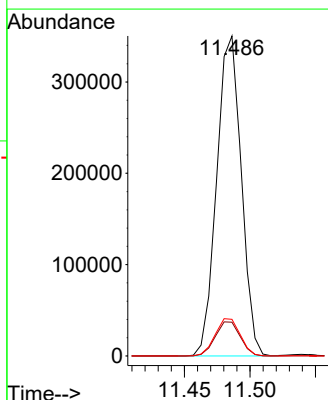
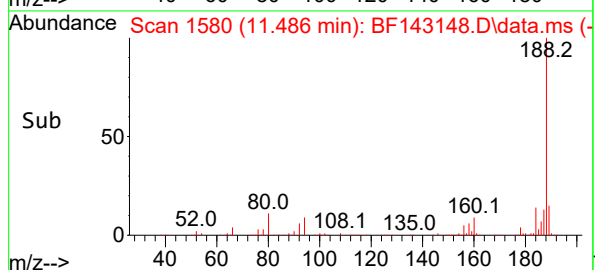
Supervised By :Jagrut Upadhyay 07/18/2025

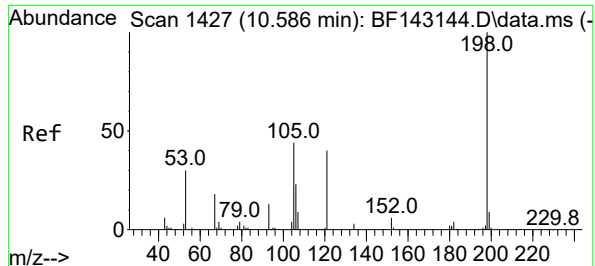


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.4	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 41.869 ng

RT: 10.586 min Scan# 1427

Delta R.T. 0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:198 Resp: 98462

Ion Ratio Lower Upper

198 100

51 55.0 37.2 77.2

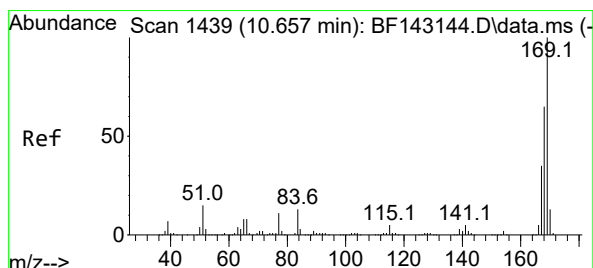
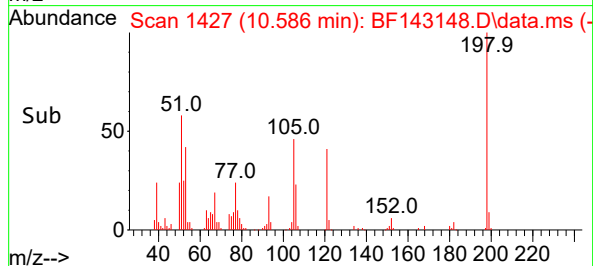
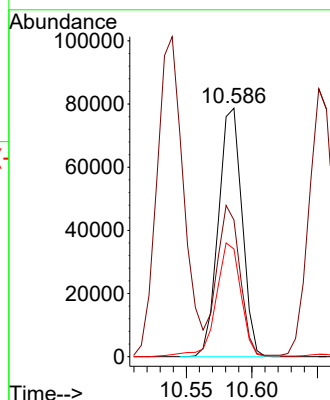
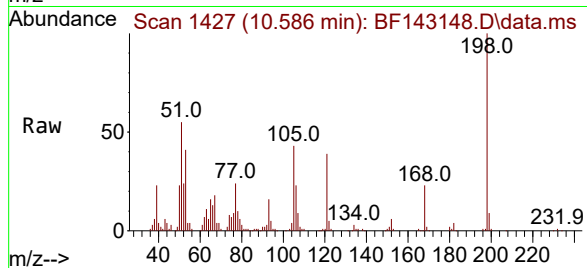
105 43.3 24.8 64.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#66

n-Nitrosodiphenylamine

Concen: 40.250 ng

RT: 10.657 min Scan# 1439

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

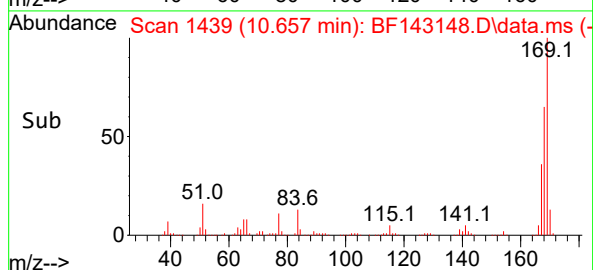
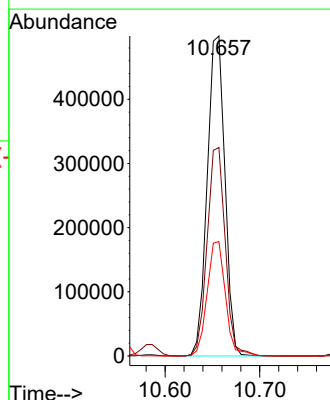
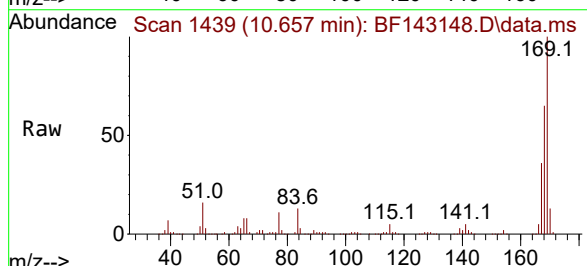
Tgt Ion:169 Resp: 647855

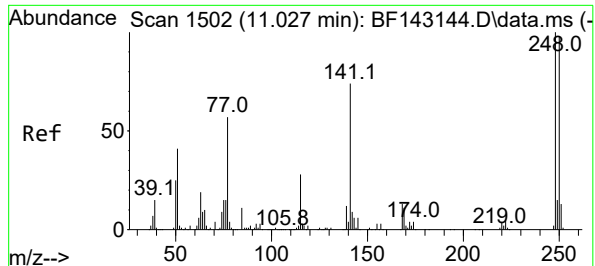
Ion Ratio Lower Upper

169 100

168 65.2 52.1 78.1

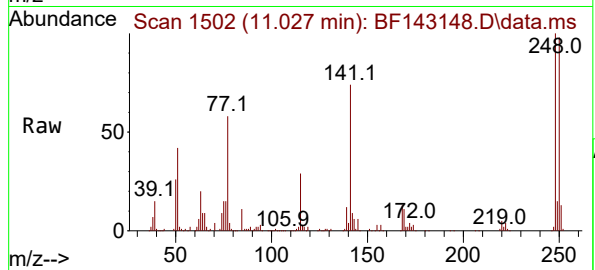
167 35.8 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

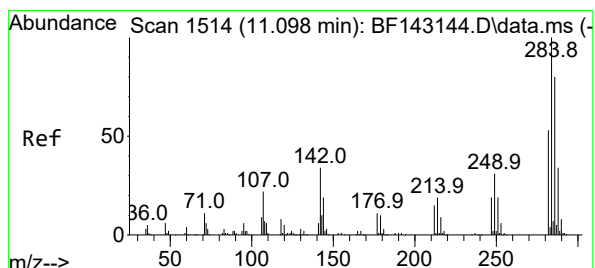
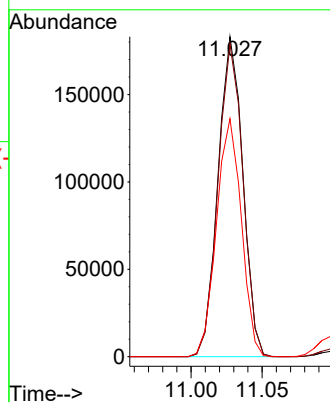
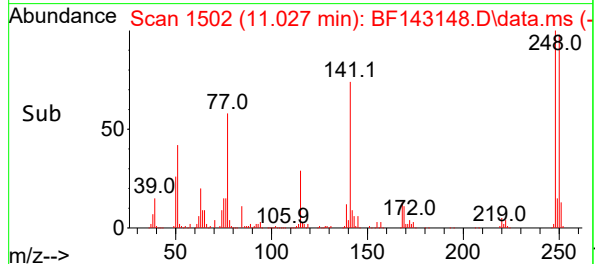
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



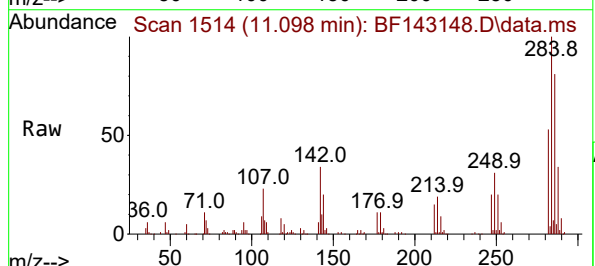
Tgt Ion:248 Resp: 222400
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 74.3 59.2 88.8

Manual Integrations
APPROVED

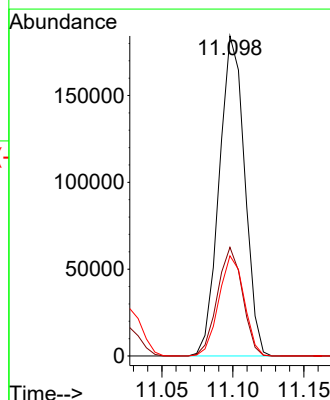
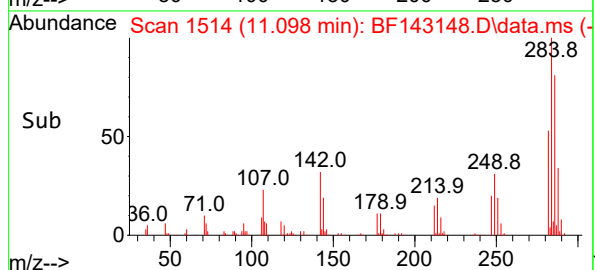
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

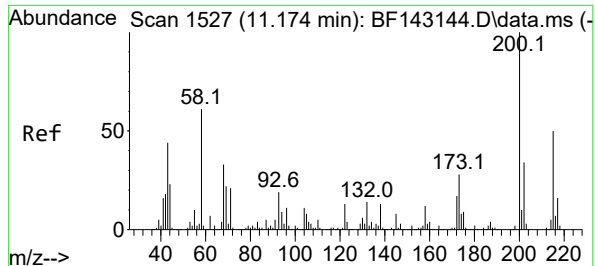


#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion:284 Resp: 229272
Ion Ratio Lower Upper
284 100
142 34.0 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 42.615 ng

RT: 11.174 min Scan# 1527

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:200 Resp: 189104

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

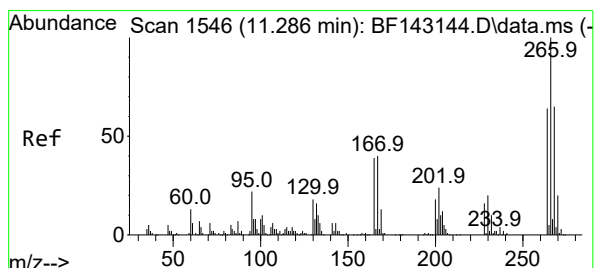
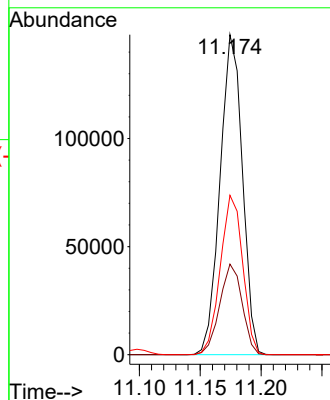
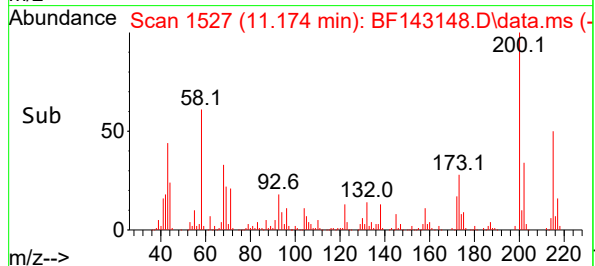
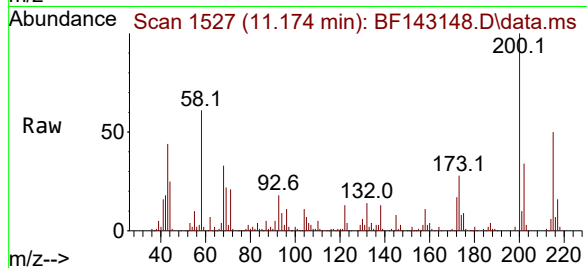
215 49.8 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 42.292 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

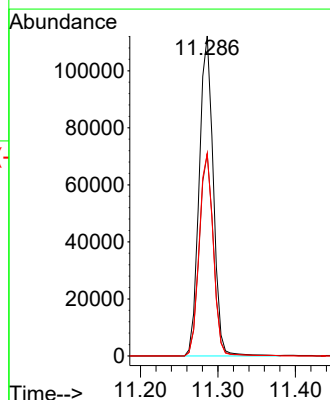
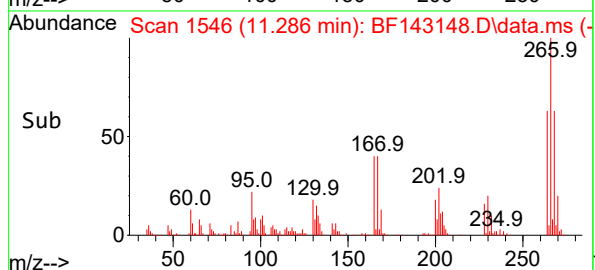
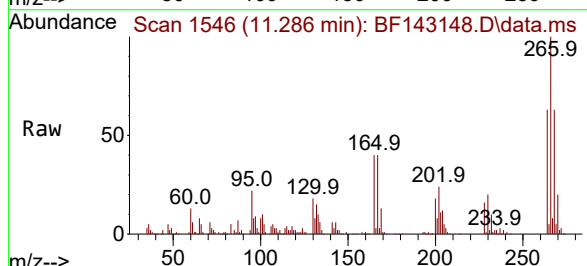
Tgt Ion:266 Resp: 141608

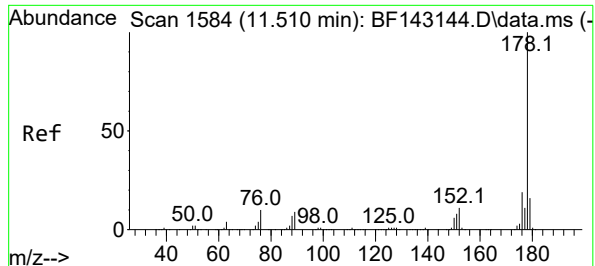
Ion Ratio Lower Upper

266 100

268 63.1 51.9 77.9

264 63.3 51.0 76.6





#71

Phenanthrene

Concen: 40.026 ng

RT: 11.510 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:178 Resp: 971448

Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

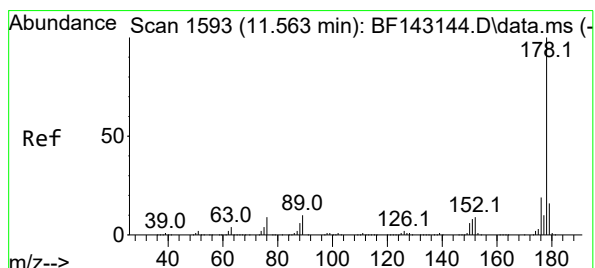
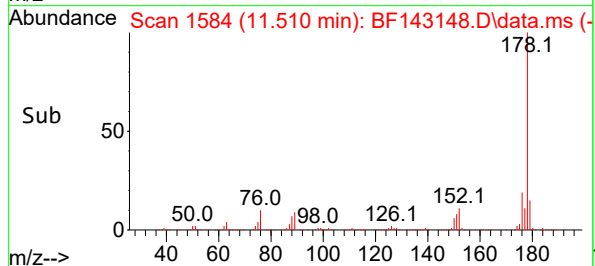
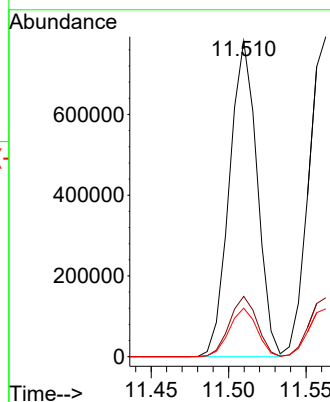
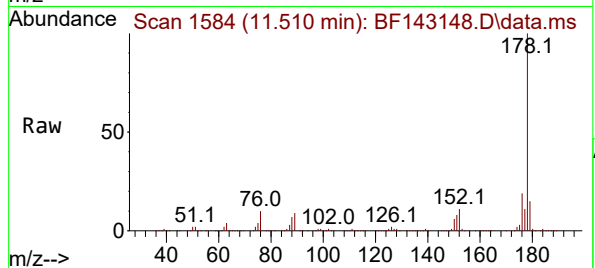
179 15.3 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#72

Anthracene

Concen: 40.557 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

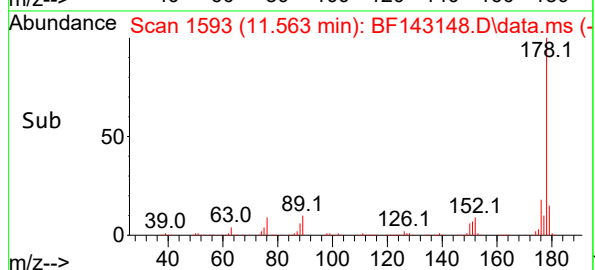
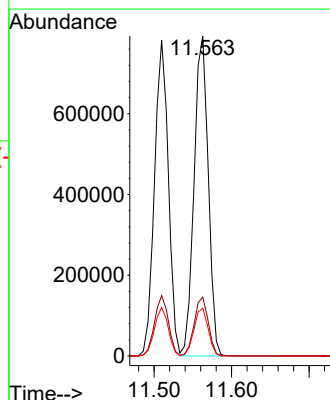
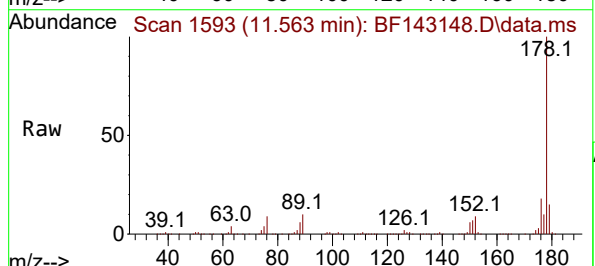
Tgt Ion:178 Resp: 1003925

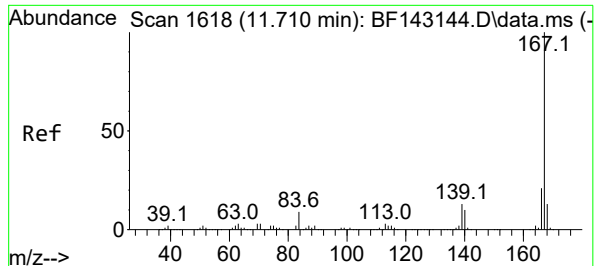
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

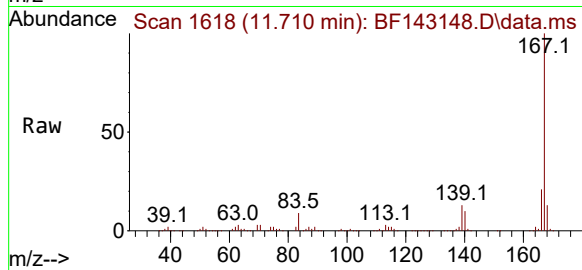
179 15.0 12.5 18.7





#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

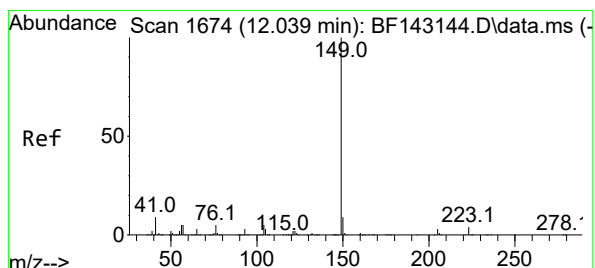
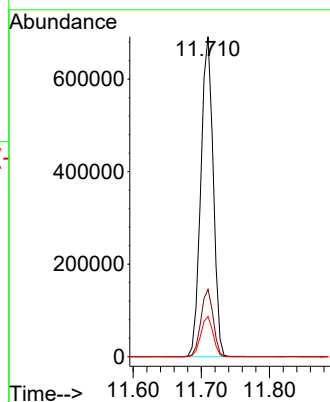
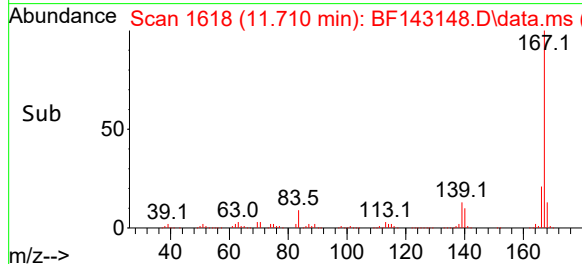
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



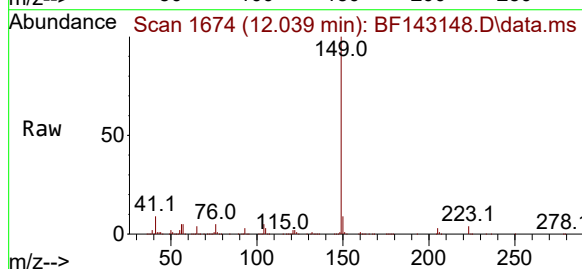
Tgt Ion:167 Resp: 87486
Ion Ratio Lower Upper
167 100
166 21.1 17.0 25.6
139 12.5 10.0 15.0

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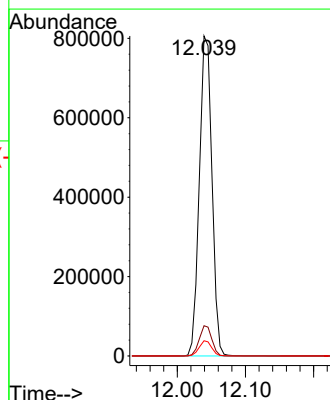
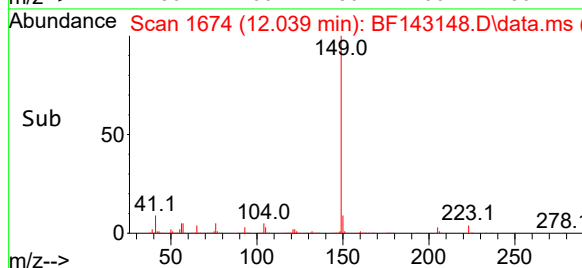
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

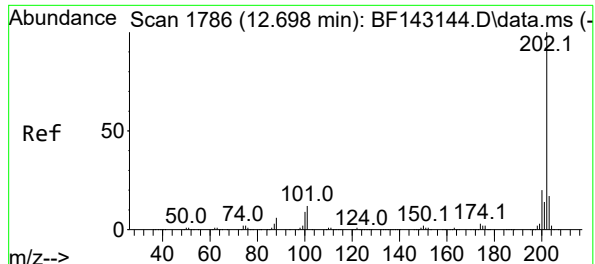


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



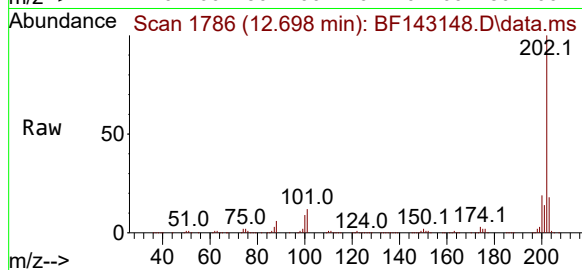
Tgt Ion:149 Resp: 1035244
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

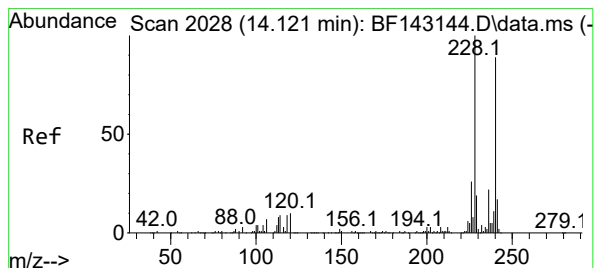
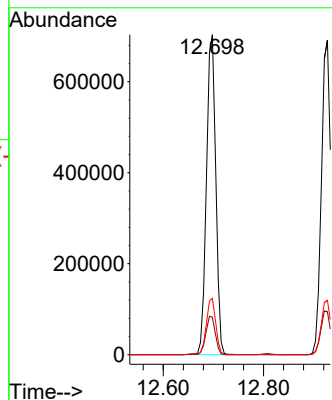
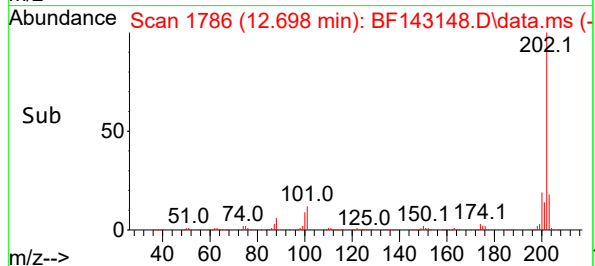
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:202 Resp: 90971
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.6 0.0 37.4

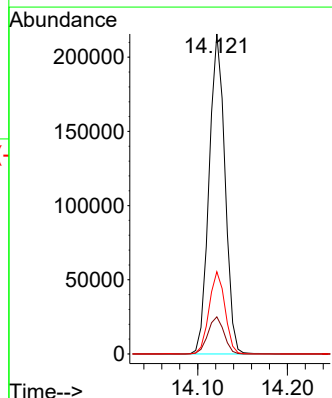
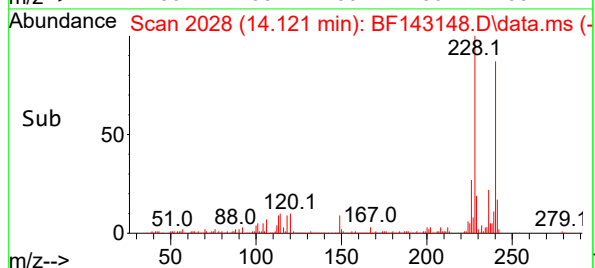
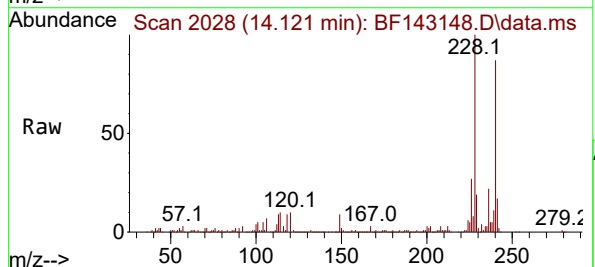
Manual Integrations
APPROVED

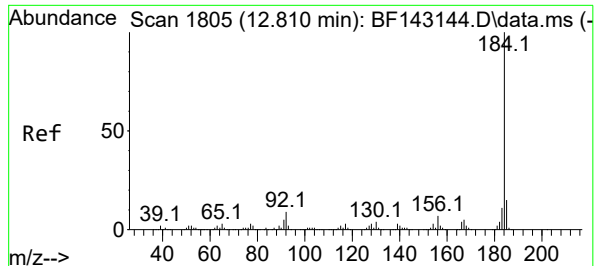
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

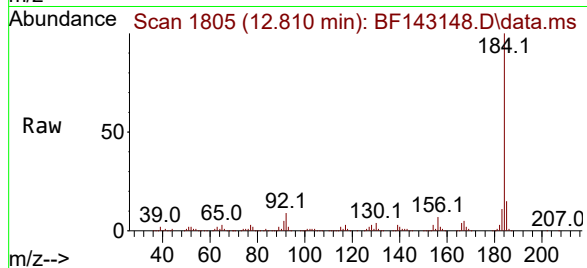
Tgt Ion:240 Resp: 265008
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 25.7 20.2 30.4





#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

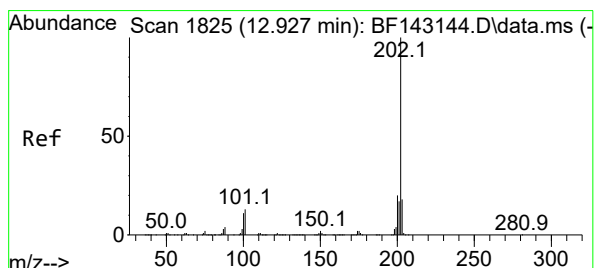
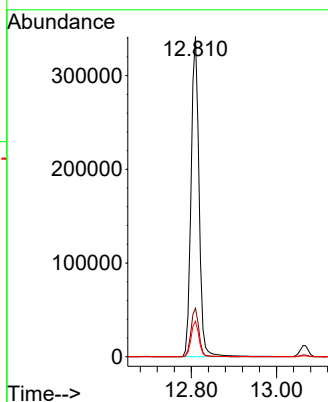
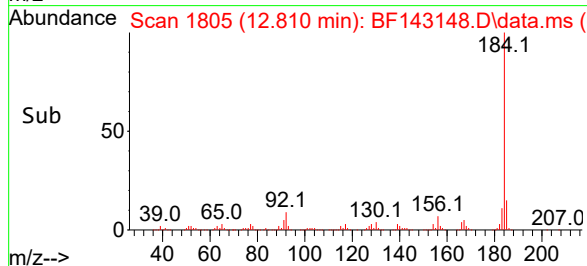
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:184 Resp: 441470
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.4
183 11.1 9.0 13.4

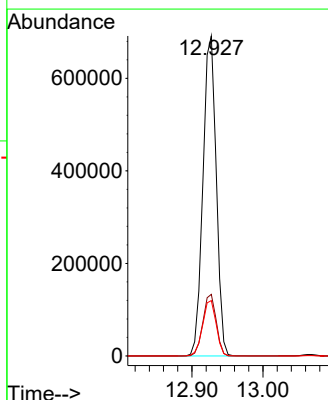
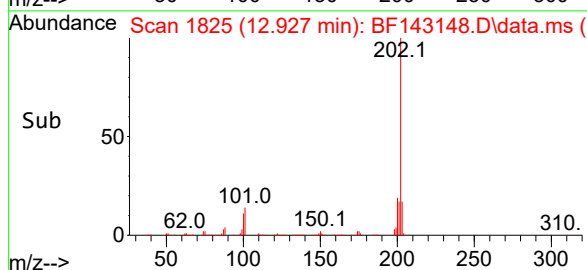
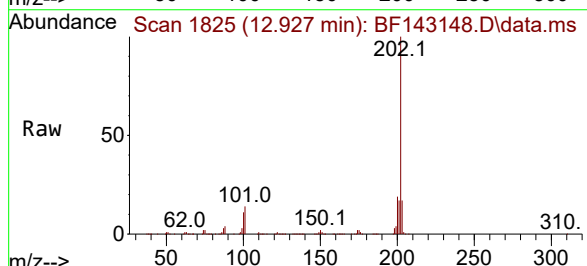
Manual Integrations
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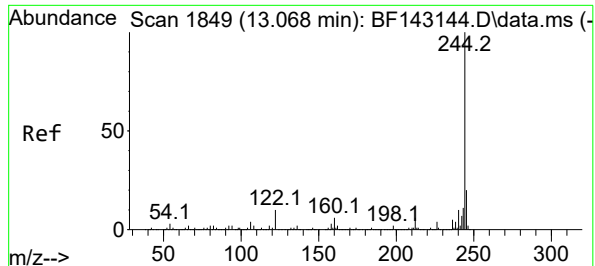
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771
Ion Ratio Lower Upper
202 100
200 19.3 15.7 23.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 69.333 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:244 Resp: 123470

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

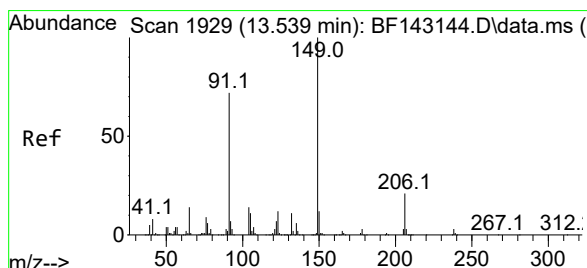
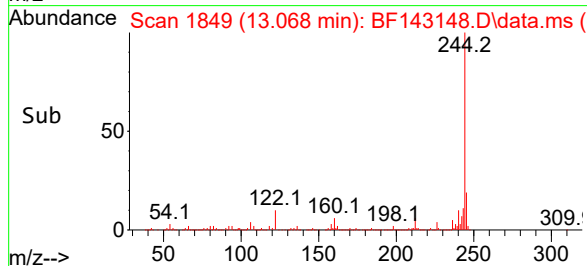
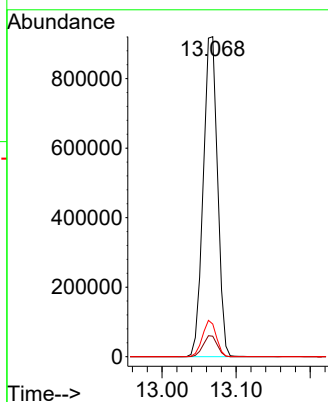
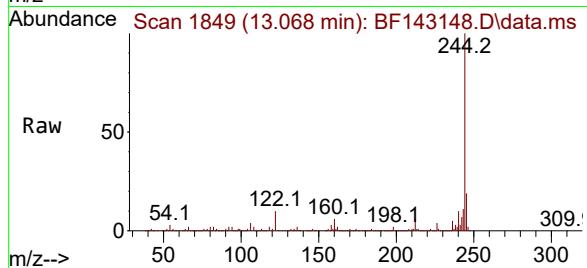
122 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#80

Butylbenzylphthalate

Concen: 43.827 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

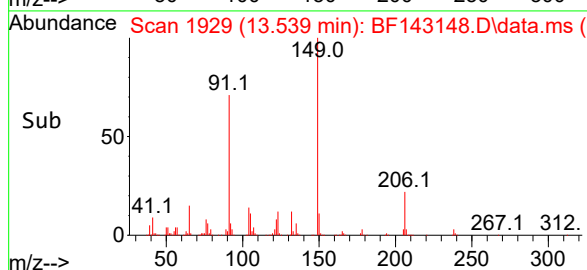
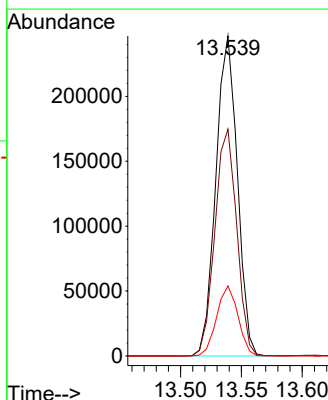
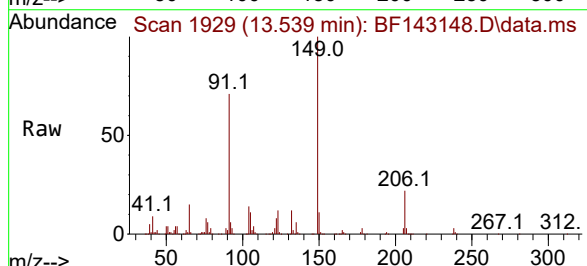
Tgt Ion:149 Resp: 303528

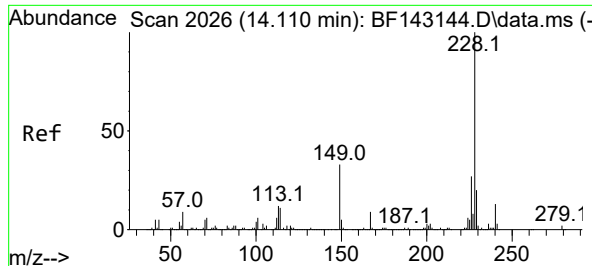
Ion Ratio Lower Upper

149 100

91 70.9 57.9 86.9

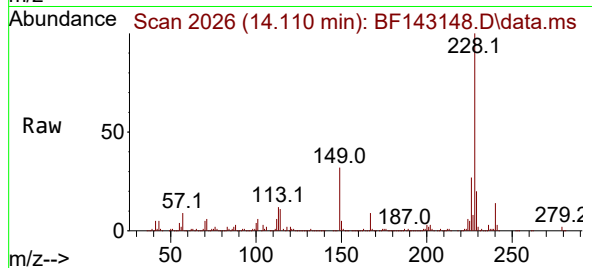
206 21.9 17.0 25.4





#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

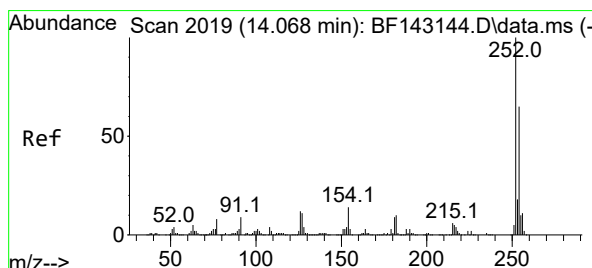
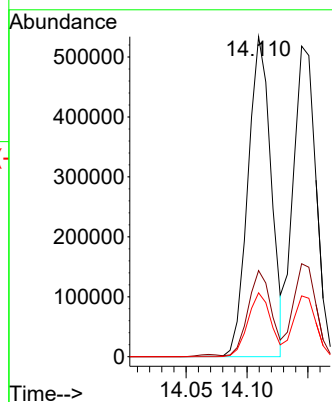
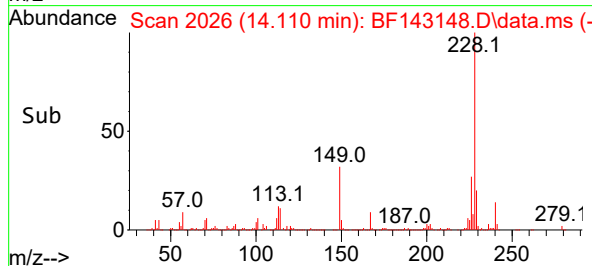
Instrument : BNA_F
ClientSampleId : ICVBF071725



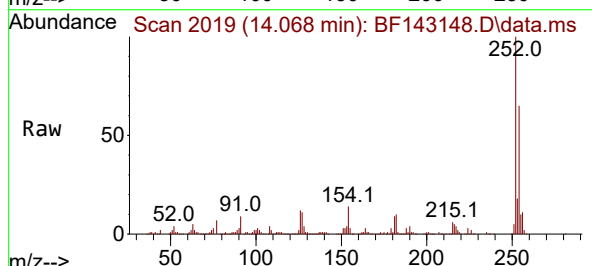
Tgt Ion:228 Resp: 708799
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 20.0 15.8 23.6

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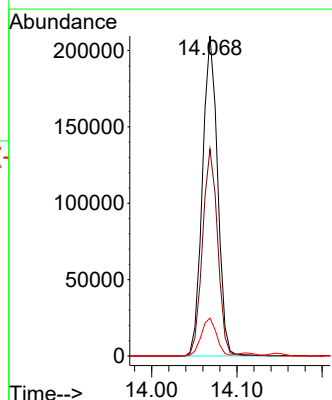
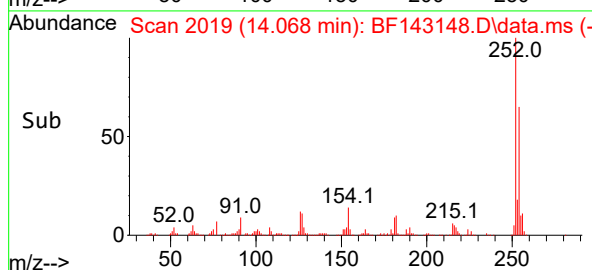
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

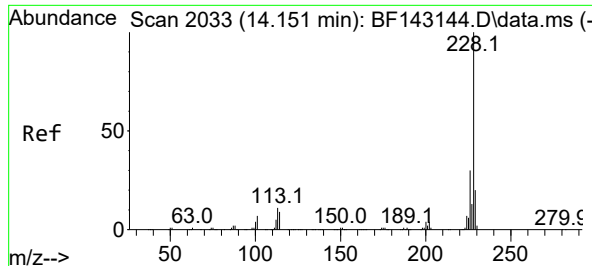


#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



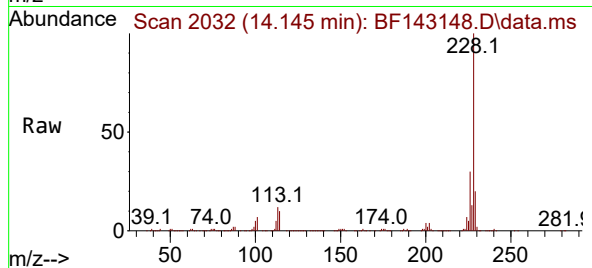
Tgt Ion:252 Resp: 258837
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.9 9.4 14.0





#83
Chrysene
Concen: 42.233 ng
RT: 14.145 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

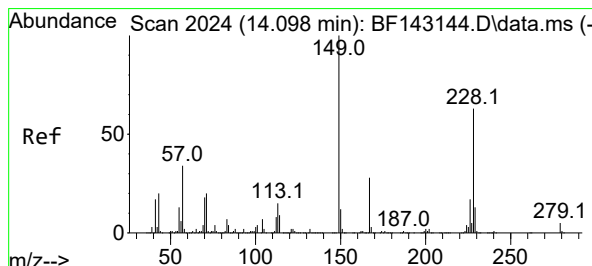
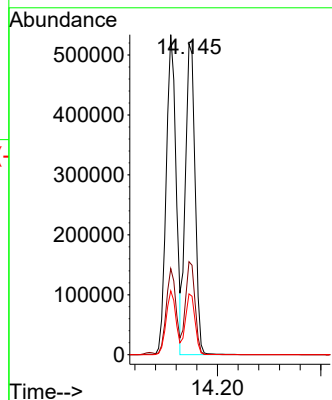
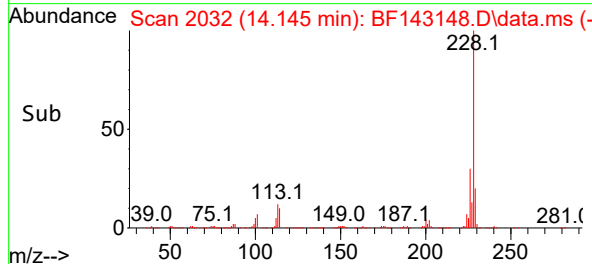
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:228 Resp: 67370
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 19.6 15.6 23.4

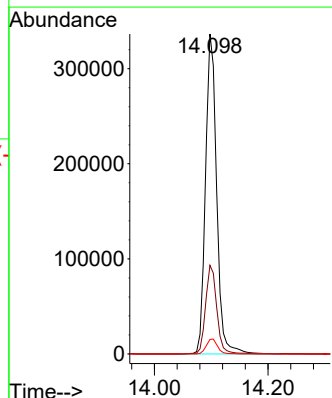
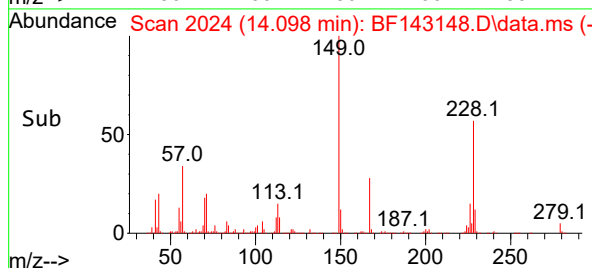
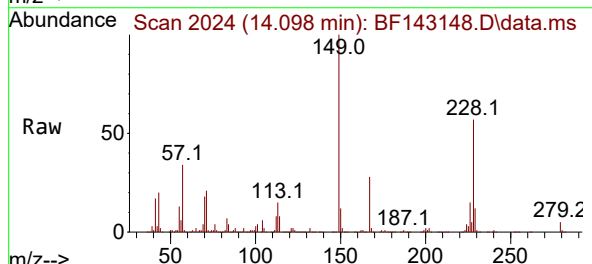
Manual Integrations
APPROVED

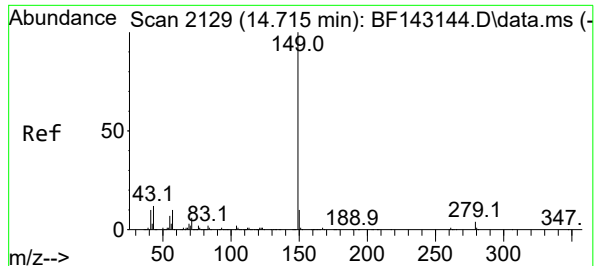
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

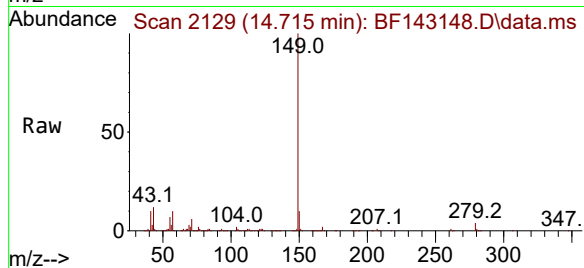
Tgt Ion:149 Resp: 456811
Ion Ratio Lower Upper
149 100
167 27.7 22.3 33.5
279 4.6 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2129
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

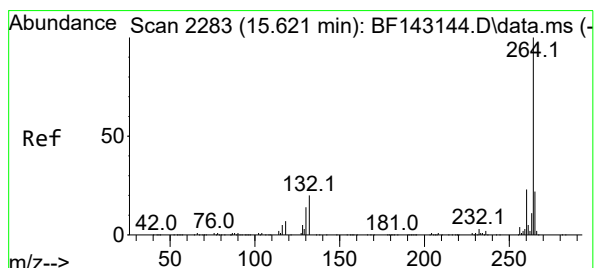
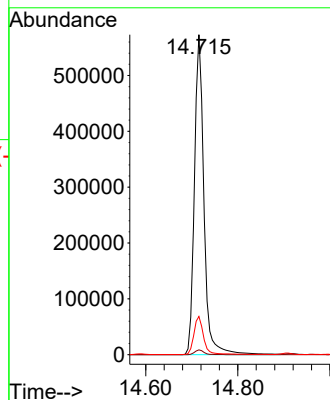
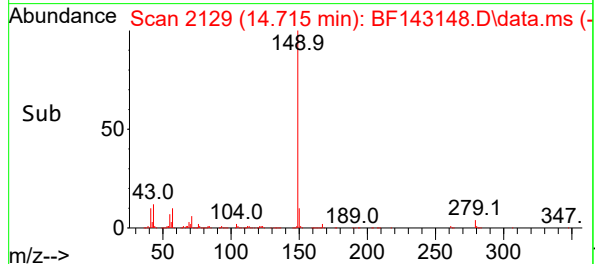
Instrument :
BNA_F
ClientSampleId :
ICVBF071725



Tgt Ion:149 Resp: 818512
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.2 9.7 14.5

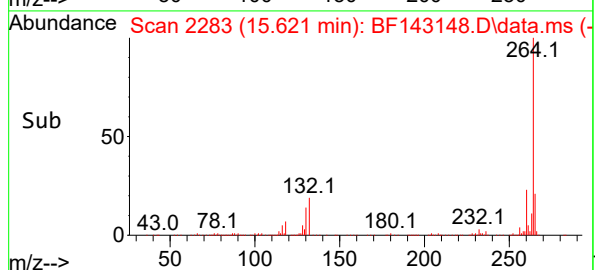
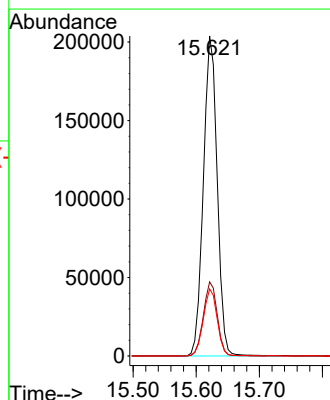
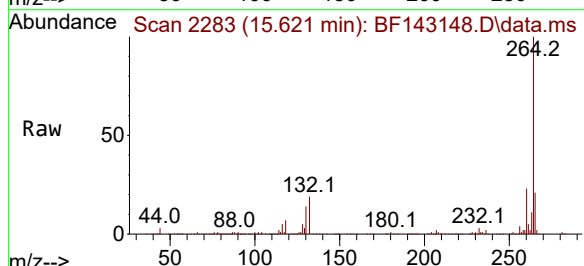
Manual Integrations
APPROVED

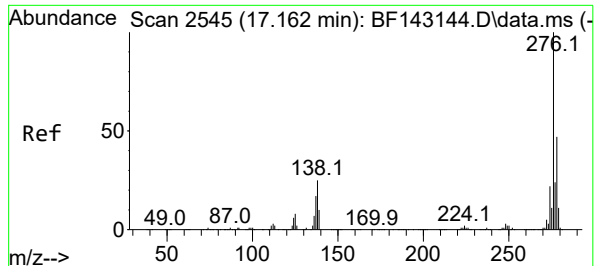
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:264 Resp: 310192
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 20.9 17.4 26.2





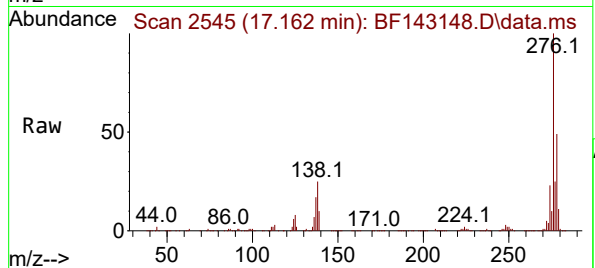
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725



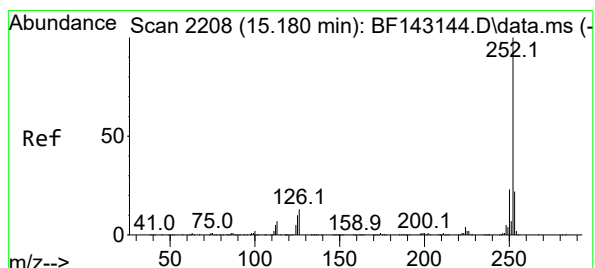
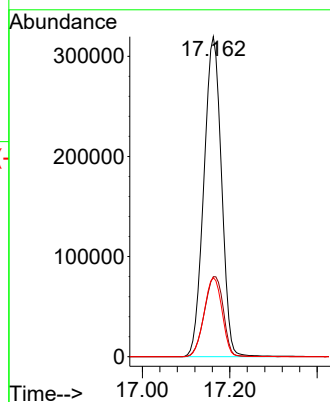
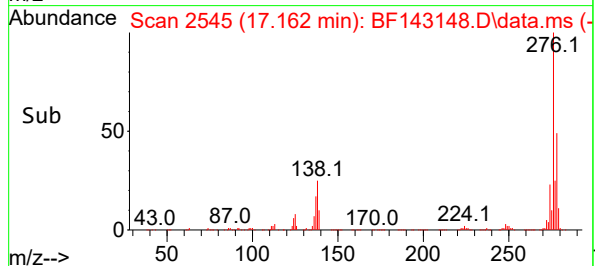
Tgt Ion:276 Resp: 896404
Ion Ratio Lower Upper
276 100
138 26.9 21.8 32.6
277 25.2 20.0 30.0

Manual Integrations

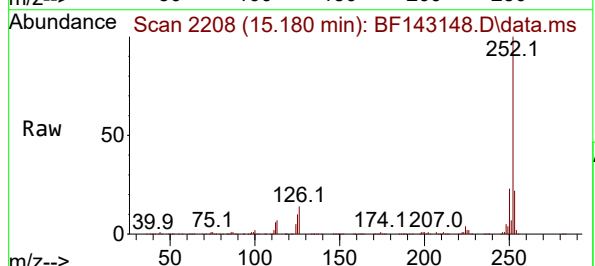
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

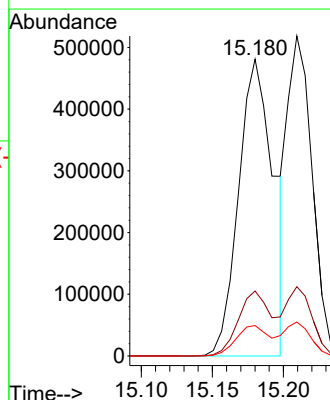
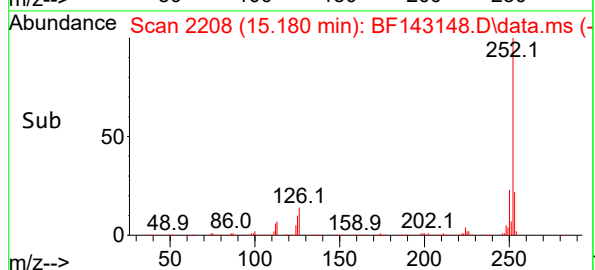
Supervised By :Jagrut Upadhyay 07/18/2025

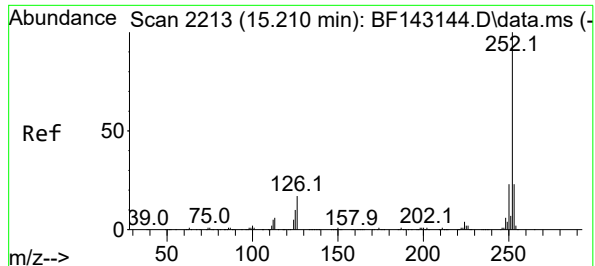


#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06



Tgt Ion:252 Resp: 820119
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 37.531 ng

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

Tgt Ion:252 Resp: 63464

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

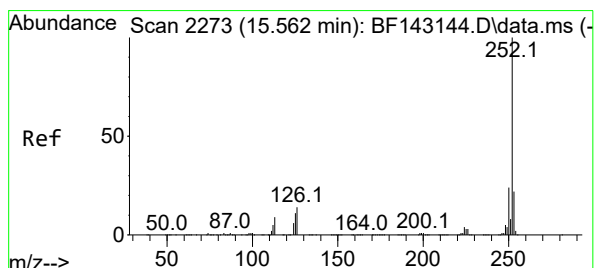
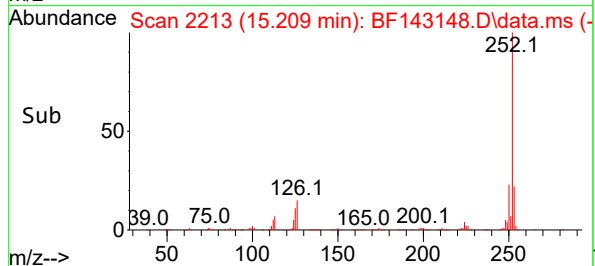
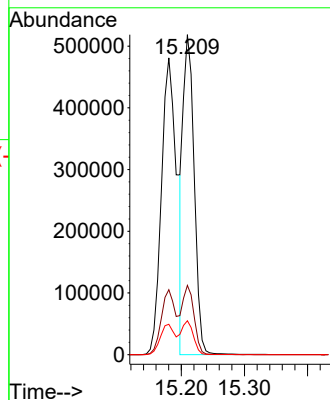
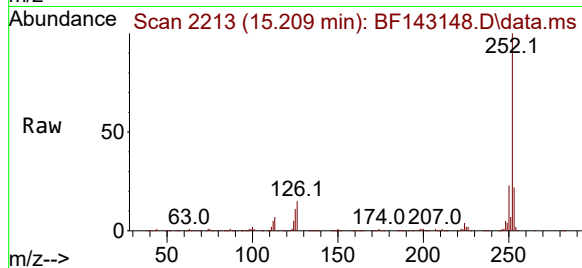
125 10.6 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 40.594 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143148.D

Acq: 17 Jul 2025 15:06

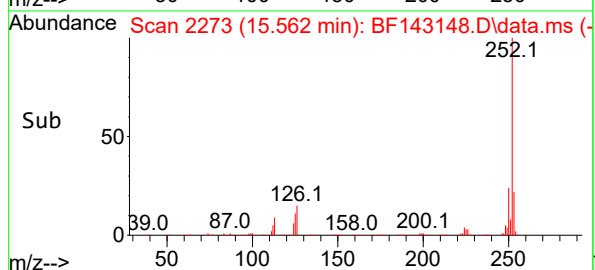
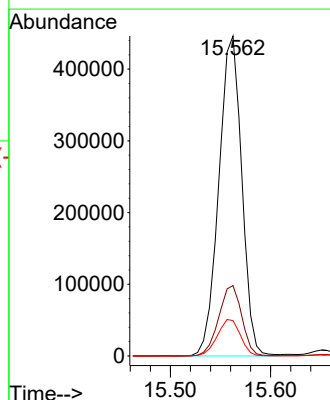
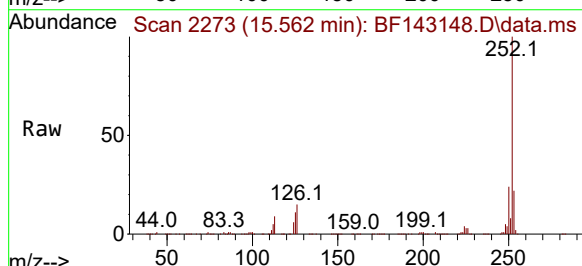
Tgt Ion:252 Resp: 708756

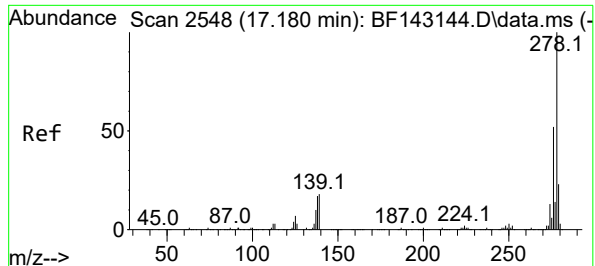
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 11.1 8.6 13.0





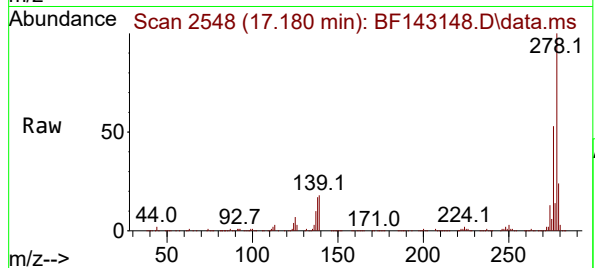
#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2548
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :

BNA_F

ClientSampleId :

ICVBF071725

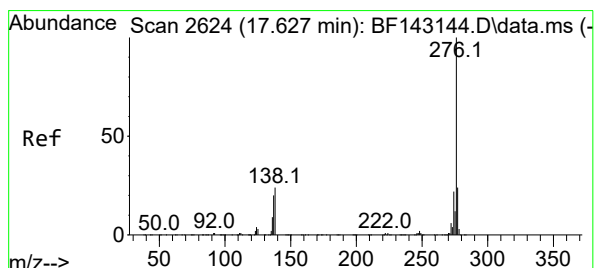
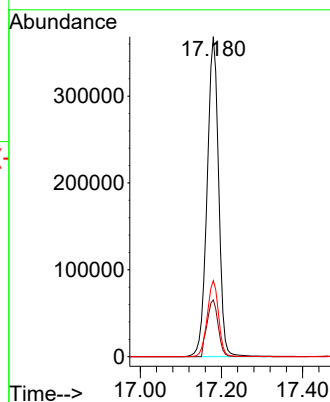
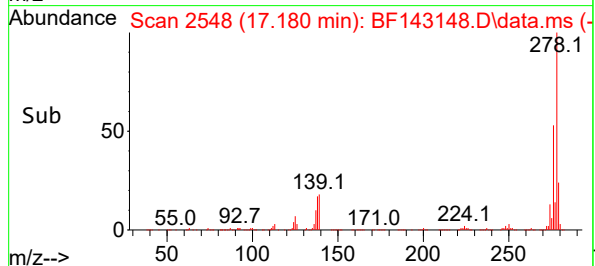


Tgt Ion:278 Resp: 724758
Ion Ratio Lower Upper
278 100
139 17.8 14.1 21.1
279 23.8 18.6 28.0

Manual Integrations

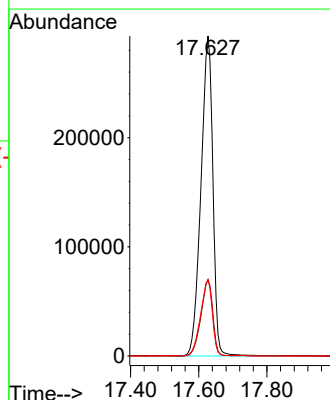
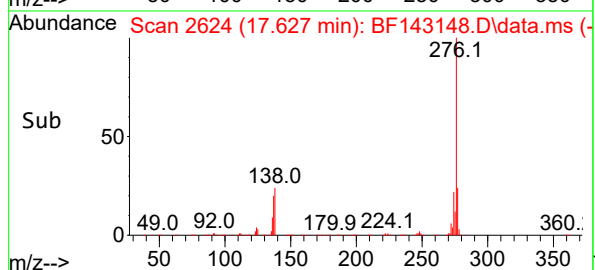
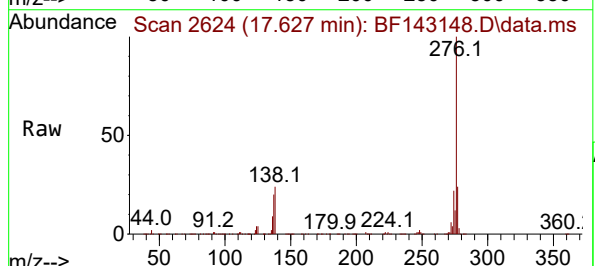
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 23.9 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
2	1,4-Dioxane	0.598	0.576	3.7	83	-0.03
3	Pyridine	1.552	1.576	-1.5	89	-0.02
4	n-Nitrosodimethylamine	0.801	0.817	-2.0	87	-0.02
5 S	2-Fluorophenol	1.264	1.219	3.6	85	0.00
6	Aniline	2.217	2.277	-2.7	89	0.00
7 S	Phenol-d6	1.591	1.554	2.3	86	0.00
8	2-Chlorophenol	1.325	1.375	-3.8	90	0.00
9	Benzaldehyde	1.193	1.117	6.4	67	0.00
10 C	Phenol	1.733	1.769	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	1.327	1.348	-1.6	89	0.00
12	1,3-Dichlorobenzene	1.439	1.454	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	1.449	1.476	-1.9	90	0.00
14	1,2-Dichlorobenzene	1.378	1.430	-3.8	92	0.00
15	Benzyl Alcohol	1.215	1.274	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.545	-3.4	91	0.00
17	2-Methylphenol	1.114	1.153	-3.5	91	0.00
18	Hexachloroethane	0.502	0.526	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	1.029	-0.8	90	0.00
20	3+4-Methylphenols	1.351	1.432	-6.0	92	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22	Acetophenone	0.474	0.477	-0.6	91	0.00
23 S	Nitrobenzene-d5	0.401	0.362	9.7	79	0.00
24	Nitrobenzene	0.374	0.390	-4.3	91	0.00
25	Isophorone	0.708	0.718	-1.4	91	0.00
26 C	2-Nitrophenol	0.162	0.182	-12.3	93	0.00
27	2,4-Dimethylphenol	0.331	0.337	-1.8	91	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.424	0.2	90	0.00
29 C	2,4-Dichlorophenol	0.279	0.285	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	0.302	0.306	-1.3	91	0.00
31	Naphthalene	0.985	0.989	-0.4	90	0.00
32	Benzoic acid	0.169	0.181	-7.1	88	0.00
33	4-Chloroaniline	0.402	0.409	-1.7	91	0.00
34 C	Hexachlorobutadiene	0.184	0.190	-3.3	92	0.00
35	Caprolactam	0.084	0.086	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.308	-1.7	89	0.00
37	2-Methylnaphthalene	0.599	0.604	-0.8	91	0.00
38	1-Methylnaphthalene	0.617	0.628	-1.8	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.591	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.403	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	0.207	0.207	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.402	-0.5	91	0.00
44	2,4,5-Trichlorophenol	0.400	0.430	-7.5	92	0.00
45 S	2-Fluorobiphenyl	1.462	1.261	13.7	80	0.00
46	1,1'-Biphenyl	1.560	1.601	-2.6	93	0.00
47	2-Chloronaphthalene	1.155	1.160	-0.4	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.362	0.396	-9.4	91	0.00
49	Acenaphthylene	1.935	1.936	-0.1	90	0.00
50	Dimethylphthalate	1.304	1.311	-0.5	89	0.00
51	2,6-Dinitrotoluene	0.265	0.291	-9.8	91	0.00
52 C	Acenaphthene	1.144	1.149	-0.4	91	0.00
53	3-Nitroaniline	0.310	0.333	-7.4	91	0.00
54 P	2,4-Dinitrophenol	0.098	0.113	-15.3	93	0.00
55	Dibenzofuran	1.698	1.697	0.1	90	0.00
56 P	4-Nitrophenol	0.232	0.245	-5.6	86	0.00
57	2,4-Dinitrotoluene	0.333	0.370	-11.1	90	0.00
58	Fluorene	1.274	1.249	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.346	-4.5	90	0.00
60	Diethylphthalate	1.289	1.312	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	0.635	0.641	-0.9	91	0.00
62	4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63	Azobenzene	1.343	1.357	-1.0	89	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.108	-14.9	93	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.709	-0.7	89	0.00
67	4-Bromophenyl-phenylether	0.238	0.243	-2.1	90	0.00
68	Hexachlorobenzene	0.249	0.251	-0.8	88	0.00
69	Atrazine	0.194	0.207	-6.7	89	0.00
70 C	Pentachlorophenol	0.147	0.155	-5.4	88	0.00
71	Phenanthrene	1.062	1.063	-0.1	88	0.00
72	Anthracene	1.083	1.098	-1.4	89	0.00
73	Carbazole	0.946	0.957	-1.2	87	0.00
74	Di-n-butylphthalate	1.070	1.132	-5.8	89	0.00
75 C	Fluoranthene	0.975	0.995	-2.1	88	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77	Benzydine	0.771	0.833	-8.0	78	0.00
78	Pyrene	1.707	1.703	0.2	89	0.00
79 S	Terphenyl-d14	1.344	1.165	13.3	79	0.00
80	Butylbenzylphthalate	0.523	0.573	-9.6	94	0.00
81	Benzo(a)anthracene	1.339	1.337	0.1	93	0.00
82	3,3'-Dichlorobenzidine	0.446	0.488	-9.4	102	0.00
83	Chrysene	1.204	1.271	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.862	-9.0	98	0.00
85 c	Di-n-octyl phthalate	1.434	1.544	-7.7	100	0.00
86 I	Perylene-d12	1.000	1.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.445	-2.5	98	0.00
88	Benzo(b)fluoranthene	1.222	1.322	-8.2	110	0.00
89	Benzo(k)fluoranthene	1.090	1.023	6.1	87	0.00
90 C	Benzo(a)pyrene	1.126	1.142	-1.4	98	0.00
91	Dibenzo(a,h)anthracene	1.148	1.168	-1.7	98	0.00
92	Benzo(g,h,i)perylene	1.110	1.149	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
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 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	86	0.00
2	1,4-Dioxane	40.000	38.496	3.8	83	-0.03
3	Pyridine	40.000	40.604	-1.5	89	-0.02
4	n-Nitrosodimethylamine	40.000	40.802	-2.0	87	-0.02
5 S	2-Fluorophenol	80.000	77.143	3.6	85	0.00
6	Aniline	40.000	41.078	-2.7	89	0.00
7 S	Phenol-d6	80.000	78.133	2.3	86	0.00
8	2-Chlorophenol	40.000	41.530	-3.8	90	0.00
9	Benzaldehyde	40.000	37.441	6.4	67	0.00
10 C	Phenol	40.000	40.827	-2.1	89	0.00
11	bis(2-Chloroethyl)ether	40.000	40.628	-1.6	89	0.00
12	1,3-Dichlorobenzene	40.000	40.400	-1.0	89	0.00
13 C	1,4-Dichlorobenzene	40.000	40.731	-1.8	90	0.00
14	1,2-Dichlorobenzene	40.000	41.506	-3.8	92	0.00
15	Benzyl Alcohol	40.000	41.958	-4.9	90	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.357	-3.4	91	0.00
17	2-Methylphenol	40.000	41.398	-3.5	91	0.00
18	Hexachloroethane	40.000	41.903	-4.8	92	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.342	-0.9	90	0.00
20	3+4-Methylphenols	40.000	42.387	-6.0	92	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22	Acetophenone	40.000	40.260	-0.6	91	0.00
23 S	Nitrobenzene-d5	80.000	72.247	9.7	79	0.00
24	Nitrobenzene	40.000	41.731	-4.3	91	0.00
25	Isophorone	40.000	40.567	-1.4	91	0.00
26 C	2-Nitrophenol	40.000	44.896	-12.2	93	0.00
27	2,4-Dimethylphenol	40.000	40.773	-1.9	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.939	0.2	90	0.00
29 C	2,4-Dichlorophenol	40.000	40.875	-2.2	90	0.00
30	1,2,4-Trichlorobenzene	40.000	40.551	-1.4	91	0.00
31	Naphthalene	40.000	40.143	-0.4	90	0.00
32	Benzoic acid	40.000	39.782	0.5	88	0.00
33	4-Chloroaniline	40.000	40.671	-1.7	91	0.00
34 C	Hexachlorobutadiene	40.000	41.284	-3.2	92	0.00
35	Caprolactam	40.000	40.959	-2.4	87	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.611	-1.5	89	0.00
37	2-Methylnaphthalene	40.000	40.279	-0.7	91	0.00
38	1-Methylnaphthalene	40.000	40.712	-1.8	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.944	-2.4	93	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.872	-7.2	93	0.00
42 S	2,4,6-Tribromophenol	80.000	79.969	0.0	85	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.253	-0.6	91	0.00
44	2,4,5-Trichlorophenol	40.000	42.989	-7.5	92	0.00
45 S	2-Fluorobiphenyl	80.000	68.992	13.8	80	0.00
46	1,1'-Biphenyl	40.000	41.053	-2.6	93	0.00
47	2-Chloronaphthalene	40.000	40.184	-0.5	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143148.D
 Acq On : 17 Jul 2025 15:06
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF071725

Quant Time: Jul 17 16:24:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.723	-9.3	91	0.00
49	Acenaphthylene	40.000	40.013	-0.0	90	0.00
50	Dimethylphthalate	40.000	40.218	-0.5	89	0.00
51	2,6-Dinitrotoluene	40.000	43.820	-9.6	91	0.00
52 C	Acenaphthene	40.000	40.176	-0.4	91	0.00
53	3-Nitroaniline	40.000	42.985	-7.5	91	0.00
54 P	2,4-Dinitrophenol	40.000	40.998	-2.5	93	0.00
55	Dibenzofuran	40.000	39.981	0.0	90	0.00
56 P	4-Nitrophenol	40.000	42.344	-5.9	86	0.00
57	2,4-Dinitrotoluene	40.000	44.440	-11.1	90	0.00
58	Fluorene	40.000	39.219	2.0	89	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.743	-4.4	90	0.00
60	Diethylphthalate	40.000	40.729	-1.8	90	0.00
61	4-Chlorophenyl-phenylether	40.000	40.377	-0.9	91	0.00
62	4-Nitroaniline	40.000	41.953	-4.9	86	0.00
63	Azobenzene	40.000	40.414	-1.0	89	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.869	-4.7	93	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.250	-0.6	89	0.00
67	4-Bromophenyl-phenylether	40.000	40.828	-2.1	90	0.00
68	Hexachlorobenzene	40.000	40.268	-0.7	88	0.00
69	Atrazine	40.000	42.615	-6.5	89	0.00
70 C	Pentachlorophenol	40.000	42.292	-5.7	88	0.00
71	Phenanthrene	40.000	40.026	-0.1	88	0.00
72	Anthracene	40.000	40.557	-1.4	89	0.00
73	Carbazole	40.000	40.476	-1.2	87	0.00
74	Di-n-butylphthalate	40.000	42.330	-5.8	89	0.00
75 C	Fluoranthene	40.000	40.836	-2.1	88	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77	Benzydine	40.000	43.239	-8.1	78	0.00
78	Pyrene	40.000	39.916	0.2	89	0.00
79 S	Terphenyl-d14	80.000	69.333	13.3	79	0.00
80	Butylbenzylphthalate	40.000	43.827	-9.6	94	0.00
81	Benzo(a)anthracene	40.000	39.950	0.1	93	0.00
82	3,3'-Dichlorobenzidine	40.000	43.772	-9.4	102	0.00
83	Chrysene	40.000	42.233	-5.6	94	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.578	-8.9	98	0.00
85 c	Di-n-octyl phthalate	40.000	43.077	-7.7	100	0.00
86 I	Perylene-d12	20.000	20.000	0.0	96	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.983	-2.5	98	0.00
88	Benzo(b)fluoranthene	40.000	43.278	-8.2	110	0.00
89	Benzo(k)fluoranthene	40.000	37.531	6.2	87	0.00
90 C	Benzo(a)pyrene	40.000	40.594	-1.5	98	0.00
91	Dibenzo(a,h)anthracene	40.000	40.710	-1.8	98	0.00
92	Benzo(g,h,i)perylene	40.000	41.394	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2651</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/21/2025 13:26</u>
Lab File ID:	<u>BF143168.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.271		0.6	
Benzaldehyde	1.193	1.295		8.6	
Phenol-d6	1.591	1.552		-2.5	
Phenol	1.733	1.769		2.1	20.0
bis(2-Chloroethyl)ether	1.327	1.287		-3.0	
2-Chlorophenol	1.325	1.303		-1.7	
2-Methylphenol	1.114	1.064		-4.5	
2,2-oxybis(1-Chloropropane)	2.461	2.354		-4.3	
Acetophenone	0.474	0.469		-1.1	
3+4-Methylphenols	1.351	1.320		-2.3	
n-Nitroso-di-n-propylamine	1.021	0.920	0.050	-9.9	
Nitrobenzene-d5	0.401	0.432		7.7	
Hexachloroethane	0.502	0.500		-0.4	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.663		-6.4	
2-Nitrophenol	0.162	0.168		3.7	20.0
2,4-Dimethylphenol	0.331	0.318		-3.9	
bis(2-Chloroethoxy)methane	0.425	0.407		-4.2	
2,4-Dichlorophenol	0.279	0.274		-1.8	20.0
Naphthalene	0.985	0.964		-2.1	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.184		0.0	20.0
Caprolactam	0.084	0.079		-6.0	
4-Chloro-3-methylphenol	0.303	0.286		-5.6	20.0
2-Methylnaphthalene	0.599	0.575		-4.0	
Hexachlorocyclopentadiene	0.376	0.384	0.050	2.1	
2,4,6-Trichlorophenol	0.400	0.390		-2.5	20.0
2-Fluorobiphenyl	1.462	1.535		5.0	
2,4,5-Trichlorophenol	0.400	0.411		2.8	
1,1-Biphenyl	1.560	1.575		1.0	
2-Chloronaphthalene	1.155	1.170		1.3	
2-Nitroaniline	0.362	0.368		1.7	
Dimethylphthalate	1.304	1.261		-3.3	
Acenaphthylene	1.935	1.922		-0.7	
2,6-Dinitrotoluene	0.265	0.266		0.4	
3-Nitroaniline	0.310	0.307		-1.0	
Acenaphthene	1.144	1.124		-1.7	20.0
2,4-Dinitrophenol	0.098	0.101	0.050	3.1	
4-Nitrophenol	0.232	0.228	0.050	-1.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03
 Lab Code: ACE SDG No.: Q2651
 Instrument ID: BNA_F Calibration Date/Time: 07/21/2025 13:26
 Lab File ID: BF143168.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.636		-3.7	
2,4-Dinitrotoluene	0.333	0.327		-1.8	
Diethylphthalate	1.289	1.218		-5.5	
4-Chlorophenyl-phenylether	0.635	0.608		-4.3	
Fluorene	1.274	1.200		-5.8	
4-Nitroaniline	0.266	0.266		0.0	
4,6-Dinitro-2-methylphenol	0.094	0.094		0.0	
n-Nitrosodiphenylamine	0.704	0.683		-3.0	20.0
2,4,6-Tribromophenol	0.207	0.201		-2.9	
4-Bromophenyl-phenylether	0.238	0.232		-2.5	
Hexachlorobenzene	0.249	0.241		-3.2	
Atrazine	0.194	0.196		1.0	
Pentachlorophenol	0.147	0.148		0.7	20.0
Phenanthrene	1.062	1.042		-1.9	
Anthracene	1.083	1.070		-1.2	
Carbazole	0.946	0.969		2.4	
Di-n-butylphthalate	1.070	1.124		5.0	
Fluoranthene	0.975	1.052		7.9	20.0
Pyrene	1.707	1.695		-0.7	
Terphenyl-d14	1.344	1.104		-17.9	
Butylbenzylphthalate	0.523	0.525		0.4	
3,3-Dichlorobenzidine	0.446	0.456		2.2	
Benzo (a) anthracene	1.339	1.276		-4.7	
Chrysene	1.204	1.218		1.2	
Bis(2-ethylhexyl)phthalate	0.791	0.829		4.8	
Di-n-octyl phthalate	1.434	1.479		3.1	20.0
Benzo (b) fluoranthene	1.222	1.266		3.6	
Benzo (k) fluoranthene	1.090	1.023		-6.1	
Benzo (a) pyrene	1.126	1.119		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.391		-1.3	
Dibenzo (a,h) anthracene	1.148	1.143		-0.4	
Benzo (g,h,i) perylene	1.110	1.118		0.7	
1,2,4,5-Tetrachlorobenzene	0.577	0.589		2.1	
1,4-Dioxane	0.598	0.607		1.5	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.321		-3.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143168.D
 Acq On : 21 Jul 2025 13:26
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 21 13:49:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129313	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	471327	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	224541	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	352118	20.000	ng	0.00
76) Chrysene-d12	14.122	240	287236	20.000	ng	0.00
86) Perylene-d12	15.621	264	333940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	657471	80.458	ng	0.00
7) Phenol-d6	6.581	99	802907	78.062	ng	0.00
23) Nitrobenzene-d5	7.522	82	814350	86.125	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	180488	77.809	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1378979	83.990	ng	0.00
79) Terphenyl-d14	13.069	244	1268018	65.693	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.793	88	157045	40.616	ng	99
3) Pyridine	3.569	79	397401	39.598	ng	99
4) n-Nitrosodimethylamine	3.510	42	206648	39.881	ng	98
6) Aniline	6.622	93	553372	38.603	ng	100
8) 2-Chlorophenol	6.746	128	336890	39.331	ng	100
9) Benzaldehyde	6.510	77	334989	43.434	ng	98
10) Phenol	6.598	94	457555	40.835	ng	99
11) bis(2-Chloroethyl)ether	6.693	93	332934	38.807	ng	99
12) 1,3-Dichlorobenzene	6.904	146	367627	39.509	ng	100
13) 1,4-Dichlorobenzene	6.981	146	369143	39.394	ng	99
14) 1,2-Dichlorobenzene	7.134	146	349217	39.183	ng	99
15) Benzyl Alcohol	7.098	79	301160	38.347	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	608843	38.256	ng	100
17) 2-Methylphenol	7.204	107	275196	38.211	ng	100
18) Hexachloroethane	7.481	117	129354	39.875	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	237904	36.052	ng	99
20) 3+4-Methylphenols	7.357	107	341442	39.075	ng	94
22) Acetophenone	7.369	105	441669	39.581	ng	# 97
24) Nitrobenzene	7.540	77	355142	40.286	ng	99
25) Isophorone	7.781	82	624906	37.437	ng	99
26) 2-Nitrophenol	7.857	139	158275	41.369	ng	99
27) 2,4-Dimethylphenol	7.887	122	299842	38.448	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	383681	38.338	ng	99
29) 2,4-Dichlorophenol	8.092	162	258476	39.301	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	280639	39.497	ng	99
31) Naphthalene	8.269	128	908828	39.153	ng	100
32) Benzoic acid	7.975	122	158708	37.408	ng	97
33) 4-Chloroaniline	8.304	127	362956	38.294	ng	99
34) Hexachlorobutadiene	8.387	225	173724	40.025	ng	99
35) Caprolactam	8.669	113	74522	37.497	ng	99
36) 4-Chloro-3-methylphenol	8.781	107	269483	37.698	ng	99
37) 2-Methylnaphthalene	8.957	142	542306	38.393	ng	100
38) 1-Methylnaphthalene	9.057	142	556301	38.246	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	264356	40.778	ng	99
41) Hexachlorocyclopentadiene	9.116	237	172355	40.861	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	175117	39.031	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143168.D
 Acq On : 21 Jul 2025 13:26
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

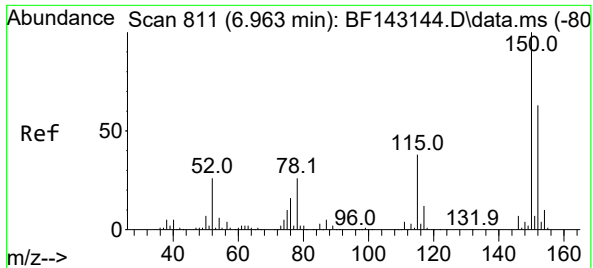
Quant Time: Jul 21 13:49:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	184547	41.120	ng	98
46) 1,1'-Biphenyl	9.416	154	707353	40.377	ng	99
47) 2-Chloronaphthalene	9.445	162	525598	40.548	ng	99
48) 2-Nitroaniline	9.528	65	165406	40.690	ng	98
49) Acenaphthylene	9.863	152	863039	39.729	ng	99
50) Dimethylphthalate	9.710	163	566336	38.694	ng	100
51) 2,6-Dinitrotoluene	9.769	165	119406	40.104	ng	97
52) Acenaphthene	10.034	154	504677	39.307	ng	98
53) 3-Nitroaniline	9.939	138	137824	39.575	ng	99
54) 2,4-Dinitrophenol	10.039	184	45312	37.445	ng #	1
55) Dibenzofuran	10.204	168	734501	38.531	ng	100
56) 4-Nitrophenol	10.086	139	102456	39.397	ng	99
57) 2,4-Dinitrotoluene	10.175	165	146697	39.271	ng	96
58) Fluorene	10.545	166	538833	37.663	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	144159	38.777	ng	98
60) Diethylphthalate	10.416	149	547097	37.818	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	273201	38.350	ng	99
62) 4-Nitroaniline	10.551	138	119360	39.990	ng	99
63) Azobenzene	10.698	77	576949	38.266	ng	99
65) 4,6-Dinitro-2-methylph...	10.581	198	66513	37.382	ng	99
66) n-Nitrosodiphenylamine	10.651	169	481048	38.797	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	163603	38.987	ng	99
68) Hexachlorobenzene	11.098	284	169940	38.746	ng	99
69) Atrazine	11.175	200	138282	40.453	ng	100
70) Pentachlorophenol	11.286	266	104038	40.335	ng	99
71) Phenanthrene	11.510	178	733886	39.253	ng	100
72) Anthracene	11.557	178	753506	39.516	ng	99
73) Carbazole	11.710	167	682345	40.981	ng	99
74) Di-n-butylphthalate	12.039	149	791333	42.003	ng	100
75) Fluoranthene	12.698	202	740826	43.170	ng	100
77) Benzidine	12.810	184	413383	37.355	ng	99
78) Pyrene	12.927	202	973730	39.721	ng	100
80) Butylbenzylphthalate	13.539	149	301689	40.190	ng	98
81) Benzo(a)anthracene	14.110	228	733039	38.119	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	262058	40.887	ng	99
83) Chrysene	14.151	228	699518	40.458	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	476503	41.939	ng	100
85) Di-n-octyl phthalate	14.716	149	849672	41.256	ng	100
87) Indeno(1,2,3-cd)pyrene	17.163	276	928926	39.449	ng	99
88) Benzo(b)fluoranthene	15.180	252	845849	41.462	ng	100
89) Benzo(k)fluoranthene	15.210	252	683472	37.544	ng	100
90) Benzo(a)pyrene	15.563	252	747409	39.764	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	763328	39.827	ng	100
92) Benzo(g,h,i)perylene	17.633	276	746866	40.284	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

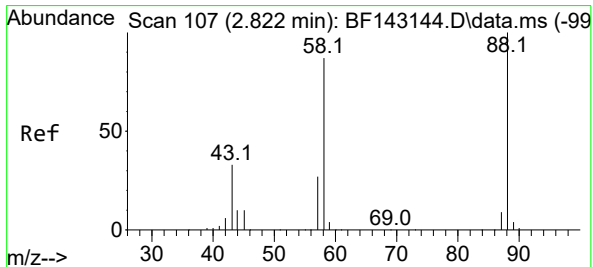
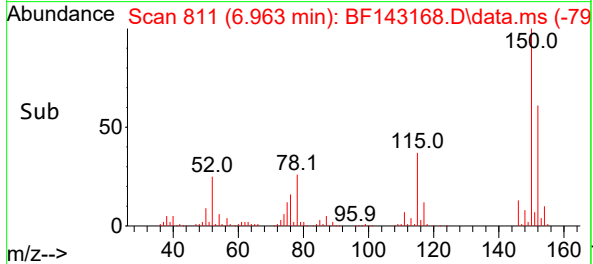
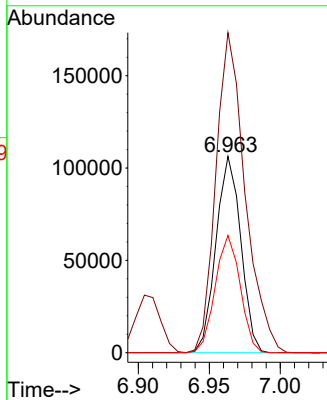
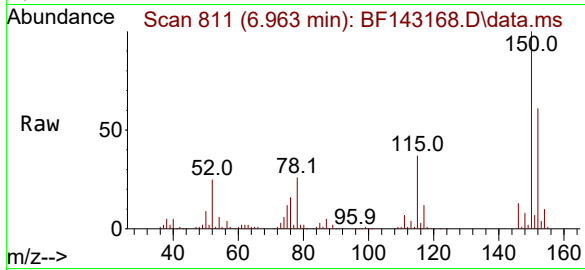
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

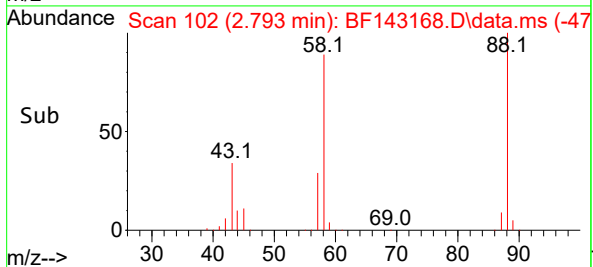
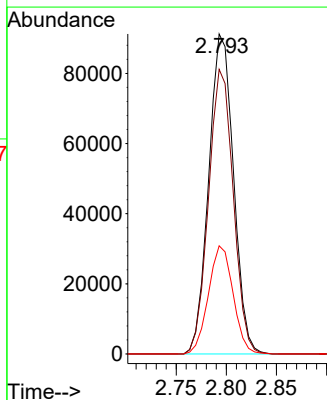
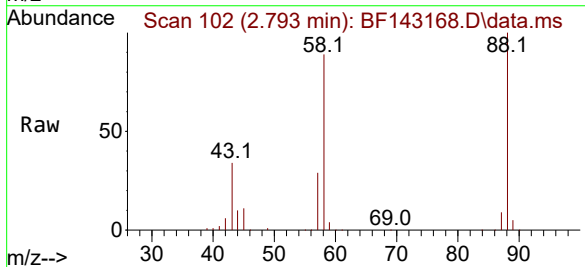
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

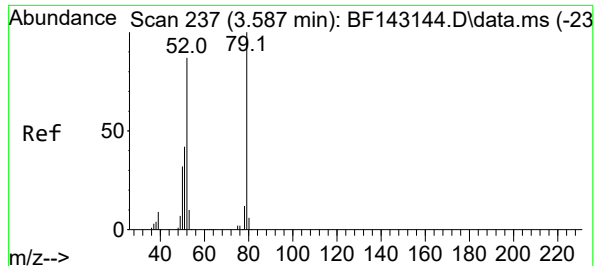
Tgt Ion:152 Resp: 129313
Ion Ratio Lower Upper
152 100
150 163.0 128.2 192.4
115 59.8 47.9 71.9



#2
1,4-Dioxane
Concen: 40.616 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 88 Resp: 157045
Ion Ratio Lower Upper
88 100
58 88.6 70.2 105.2
43 33.6 27.1 40.7

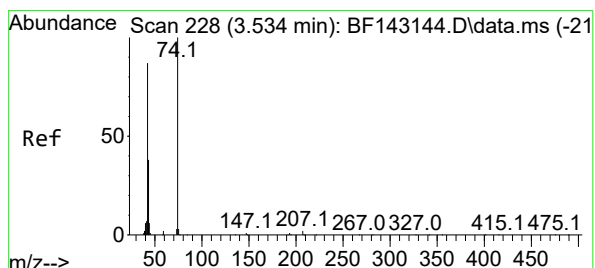
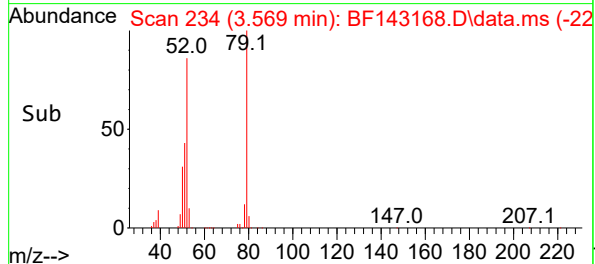
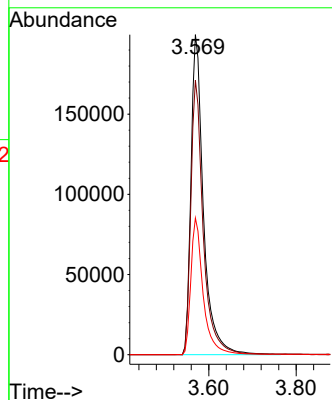
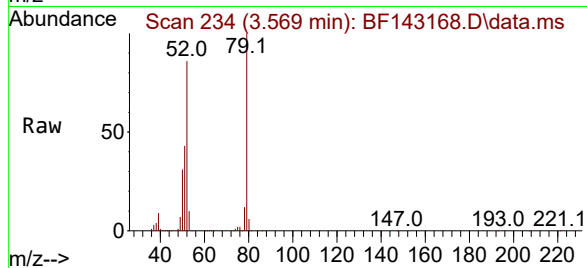




#3
Pyridine
Concen: 39.598 ng
RT: 3.569 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

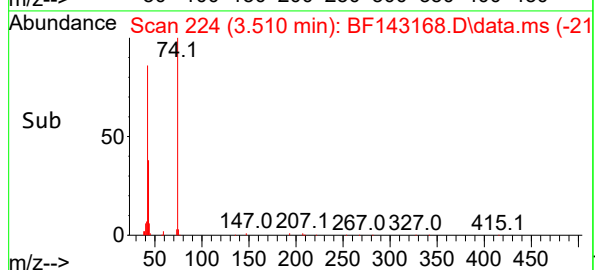
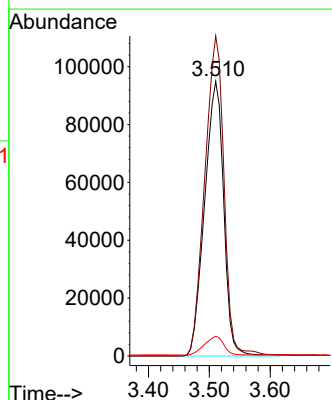
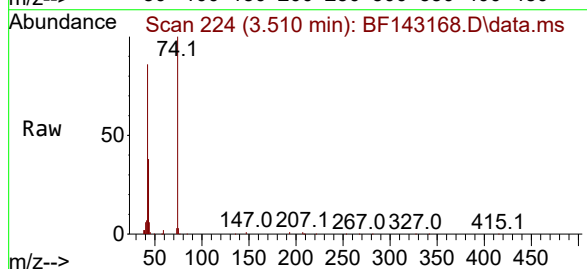
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

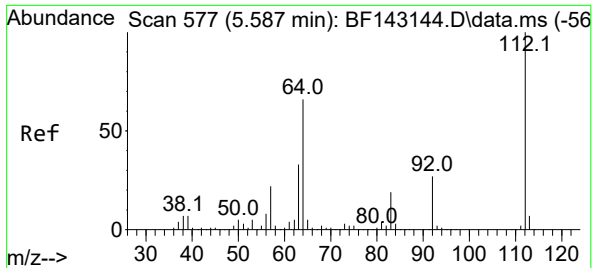
Tgt Ion: 79 Resp: 397401
Ion Ratio Lower Upper
79 100
52 85.8 69.4 104.2
51 42.7 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 39.881 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 42 Resp: 206648
Ion Ratio Lower Upper
42 100
74 116.5 91.7 137.5
44 7.2 5.6 8.4

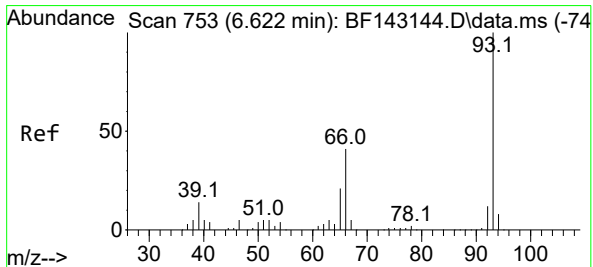
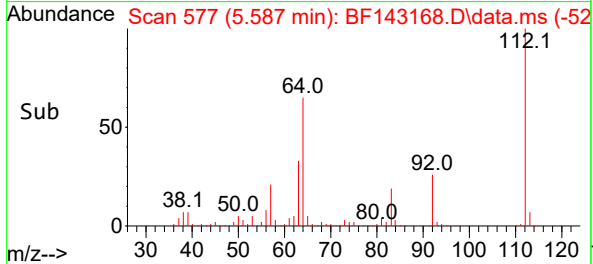
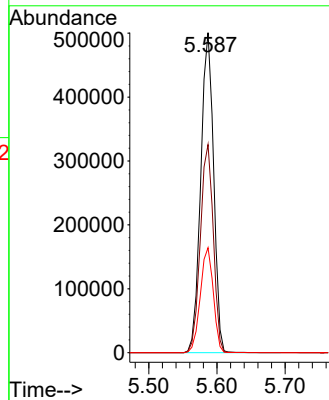
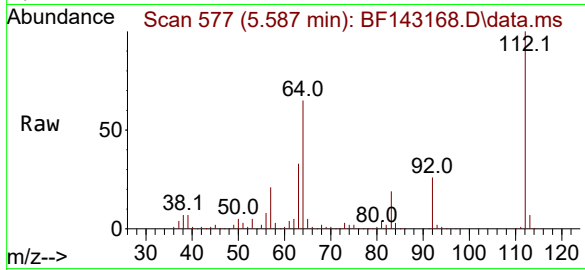




#5
2-Fluorophenol
Concen: 80.458 ng
RT: 5.587 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

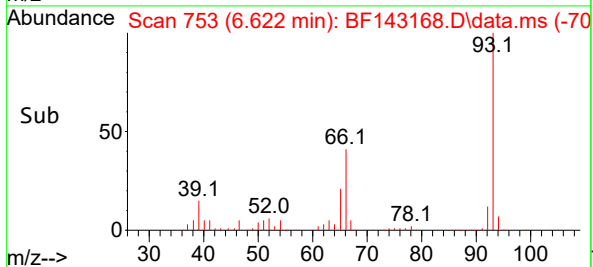
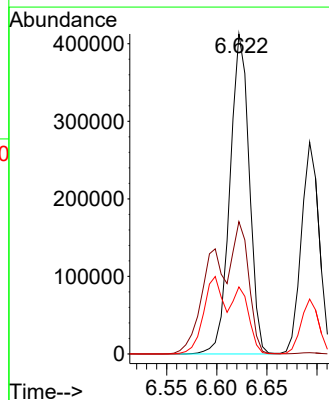
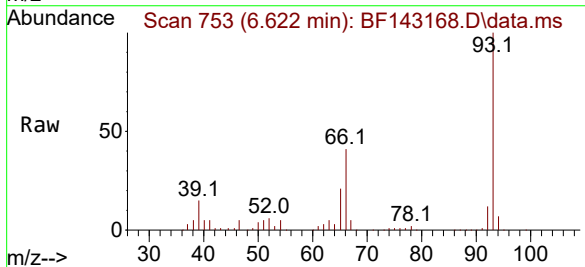
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

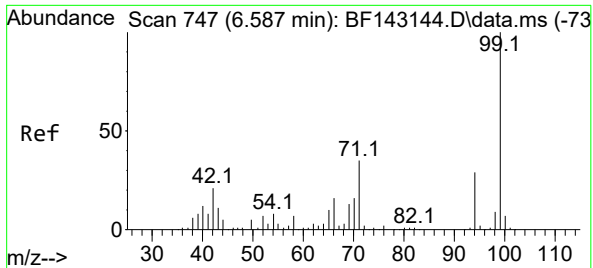
Tgt Ion:112 Resp: 657471
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.8 26.6 40.0



#6
Aniline
Concen: 38.603 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 93 Resp: 553372
Ion Ratio Lower Upper
93 100
66 41.4 33.2 49.8
65 20.9 16.9 25.3

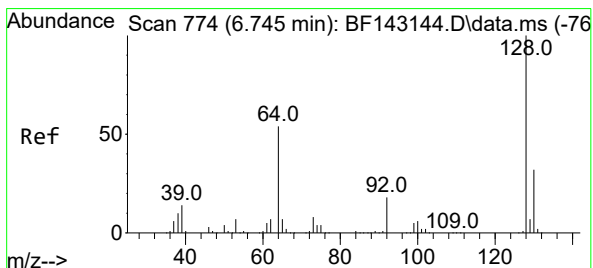
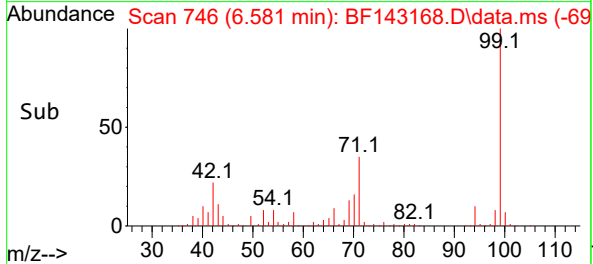
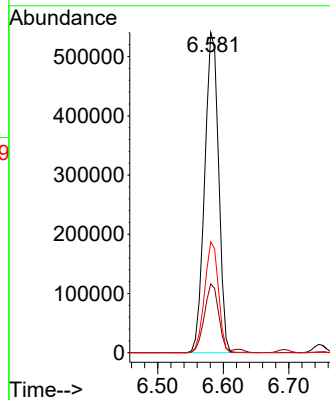
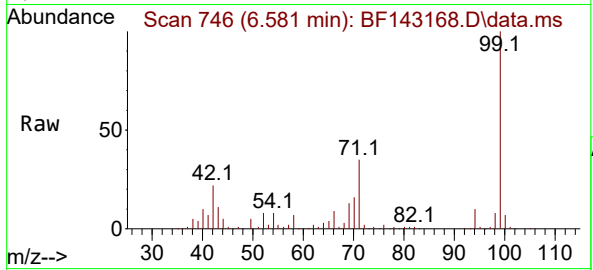




#7
Phenol-d6
Concen: 78.062 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

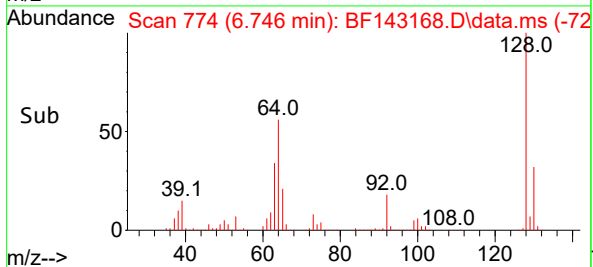
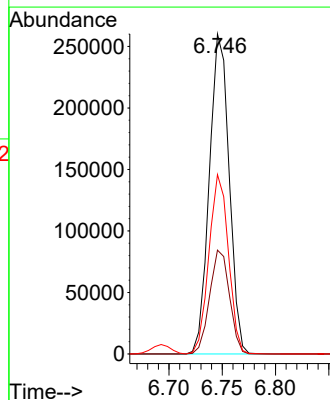
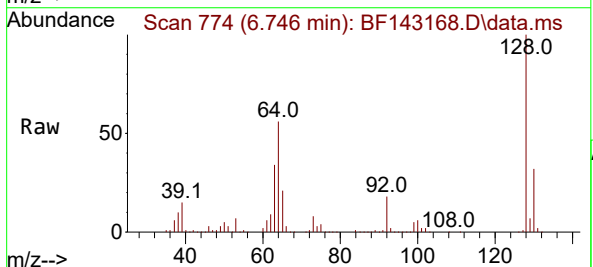
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

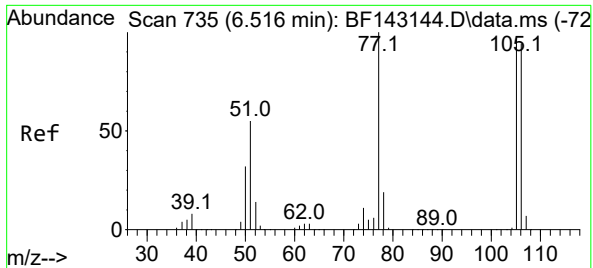
Tgt Ion: 99 Resp: 802907
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 34.6 27.7 41.5



#8
2-Chlorophenol
Concen: 39.331 ng
RT: 6.746 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 128 Resp: 336890
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 56.1 35.9 75.9

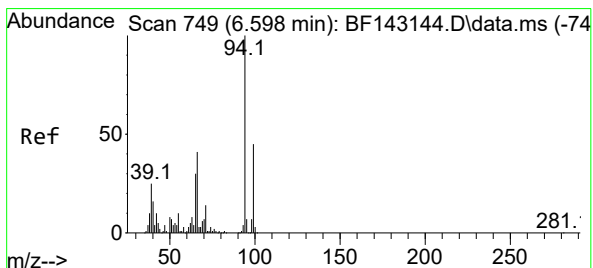
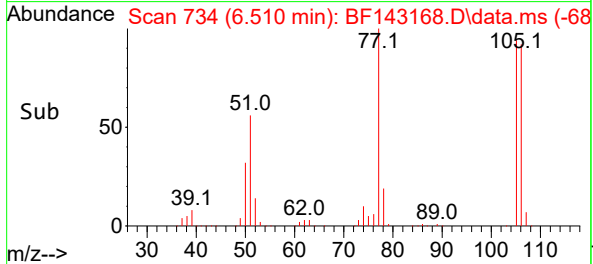
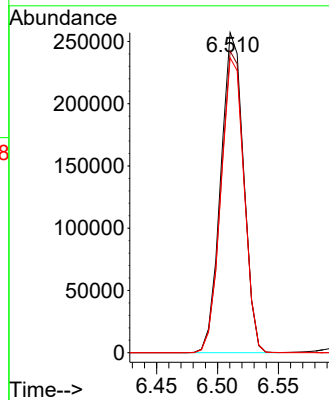
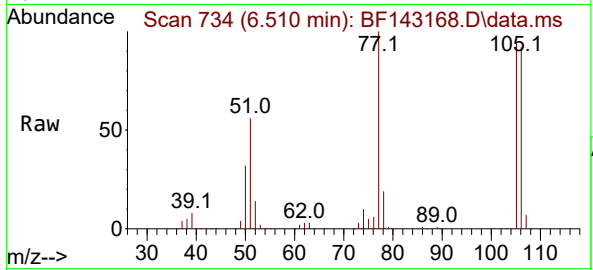




#9
Benzaldehyde
Concen: 43.434 ng
RT: 6.510 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

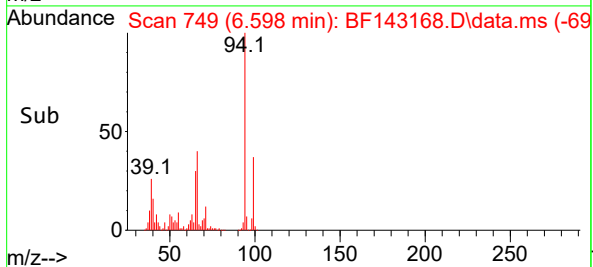
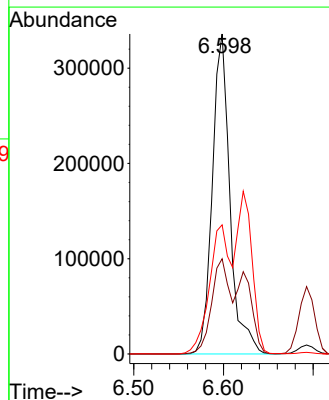
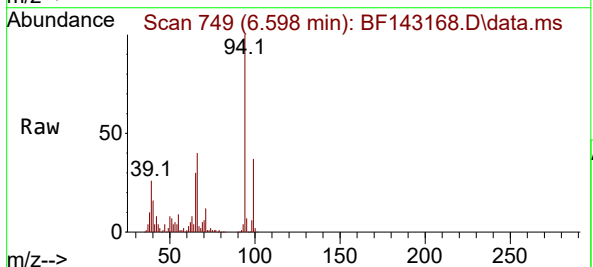
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

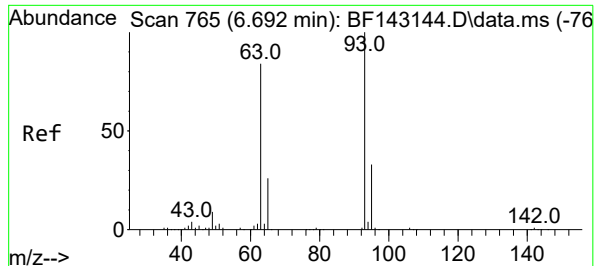
Tgt Ion: 77 Resp: 334989
Ion Ratio Lower Upper
77 100
105 94.2 76.8 116.8
106 92.2 74.4 114.4



#10
Phenol
Concen: 40.835 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 94 Resp: 457555
Ion Ratio Lower Upper
94 100
65 29.7 10.0 50.0
66 40.4 20.8 60.8

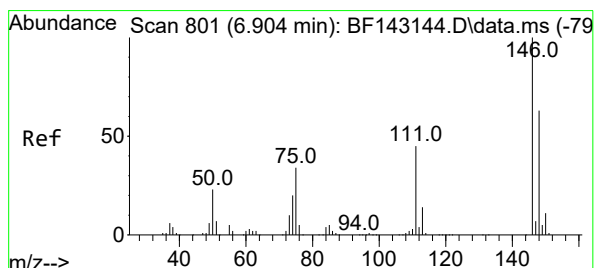
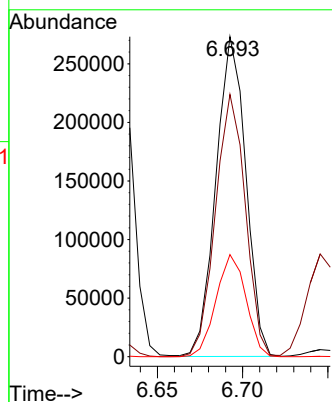
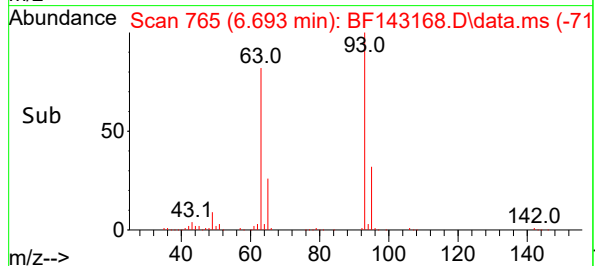
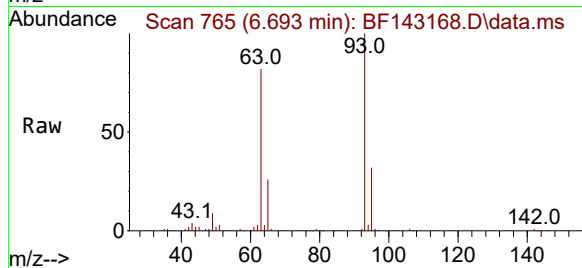




#11
bis(2-Chloroethyl)ether
Concen: 38.807 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

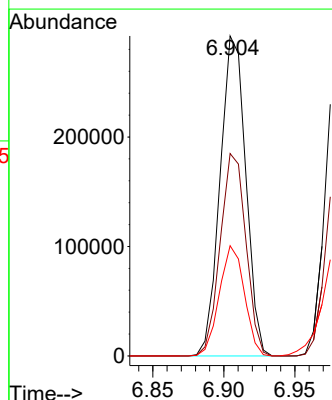
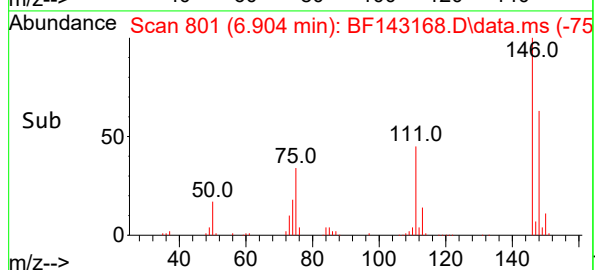
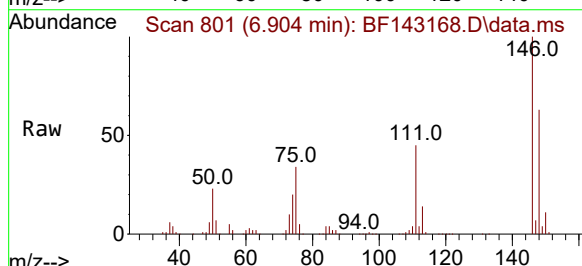
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

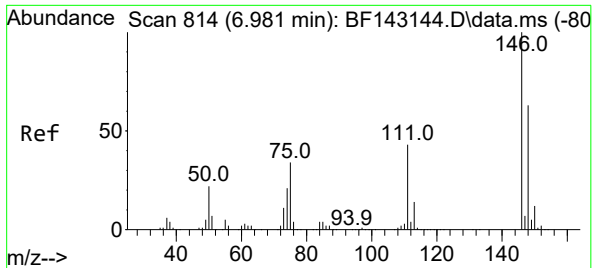
Tgt Ion: 93 Resp: 332934
Ion Ratio Lower Upper
93 100
63 81.9 63.4 103.4
95 31.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 39.509 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:146 Resp: 367627
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 34.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.394 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

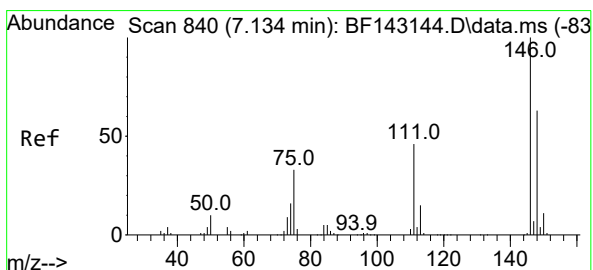
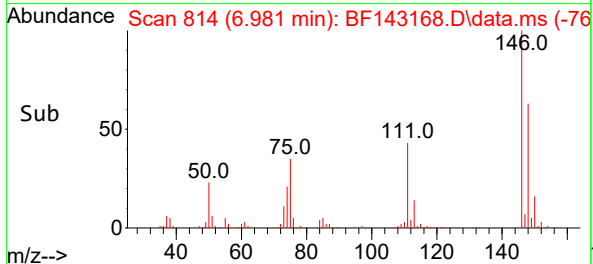
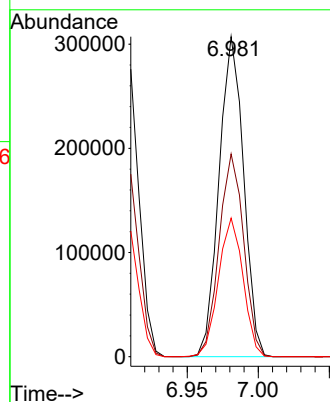
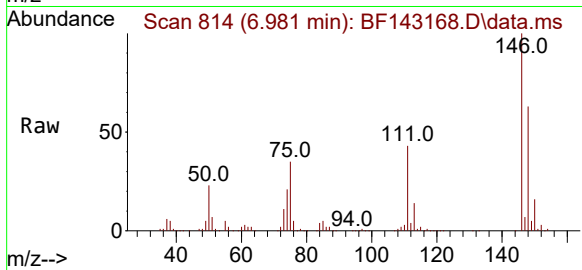
Tgt Ion:146 Resp: 369143

Ion Ratio Lower Upper

146 100

148 63.3 50.3 75.5

111 43.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.183 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

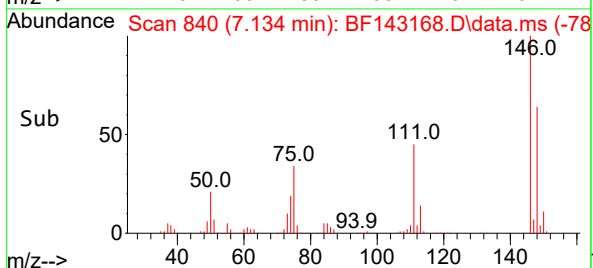
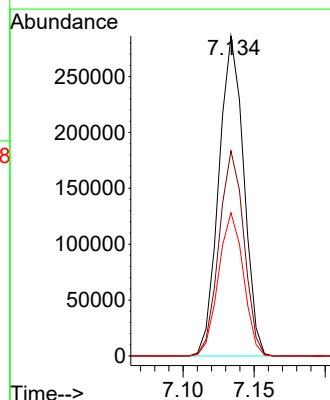
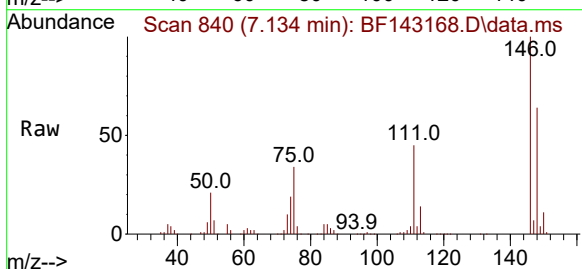
Tgt Ion:146 Resp: 349217

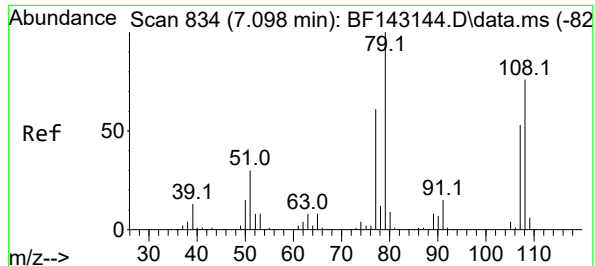
Ion Ratio Lower Upper

146 100

148 64.1 50.7 76.1

111 44.7 36.6 54.8





#15

Benzyl Alcohol

Concen: 38.347 ng

RT: 7.098 min Scan# 811

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

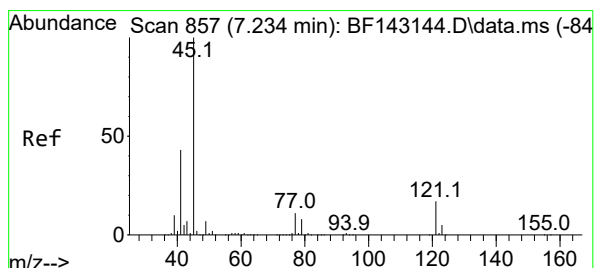
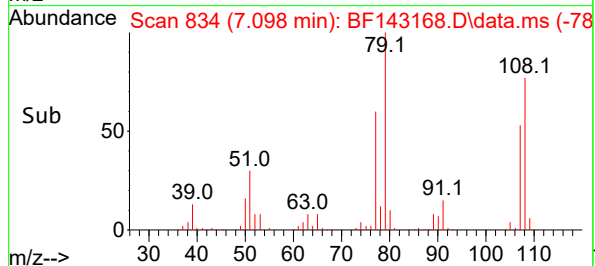
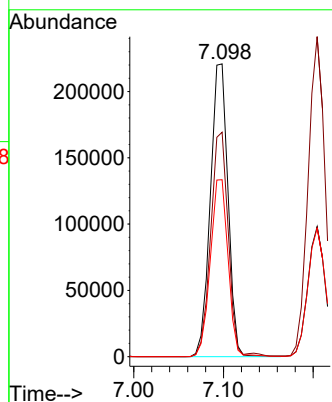
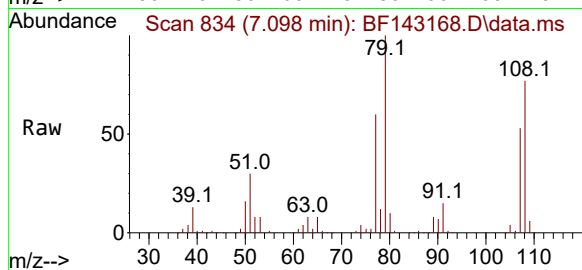
Tgt Ion: 79 Resp: 301160

Ion Ratio Lower Upper

79 100

108 76.7 61.1 91.7

77 60.5 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.256 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

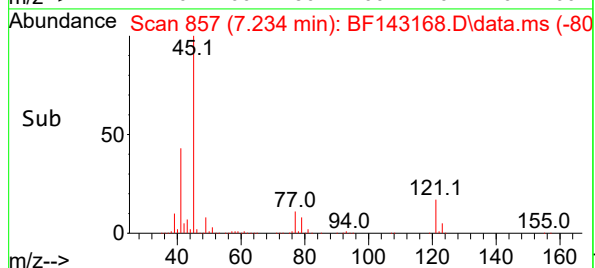
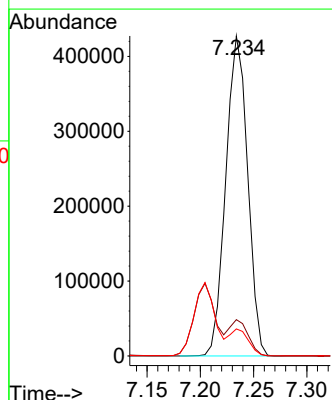
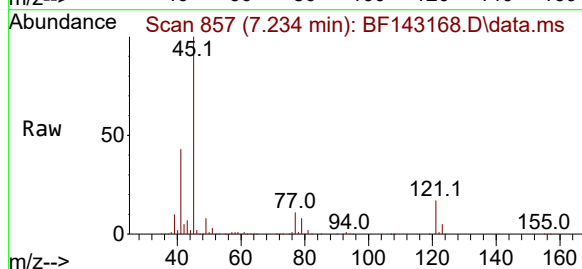
Tgt Ion: 45 Resp: 608843

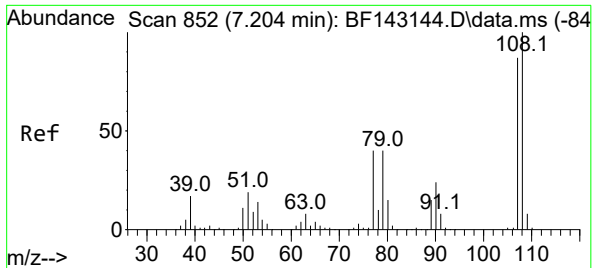
Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.2

79 8.5 0.0 28.5

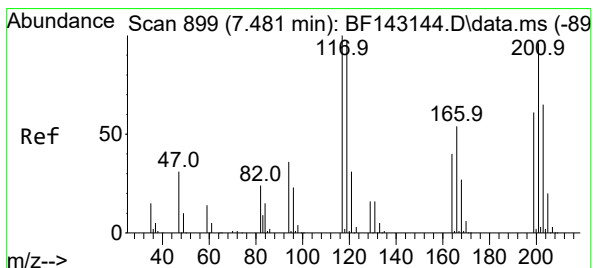
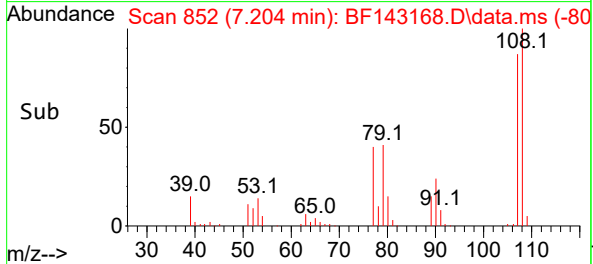
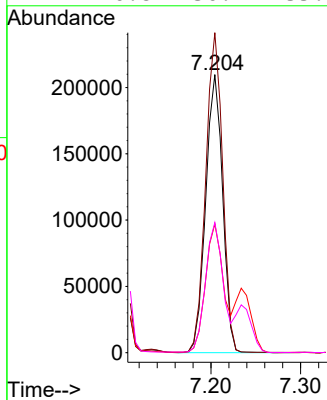
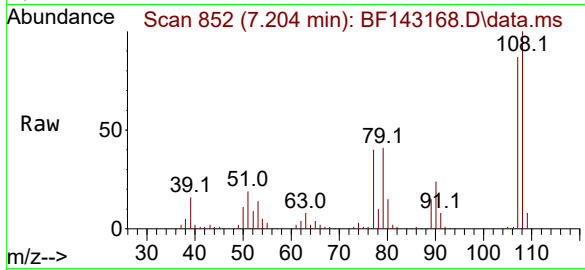




#17
2-Methylphenol
Concen: 38.211 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

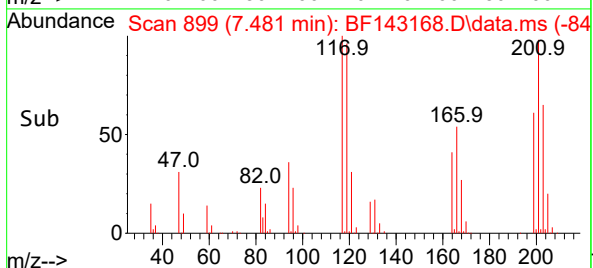
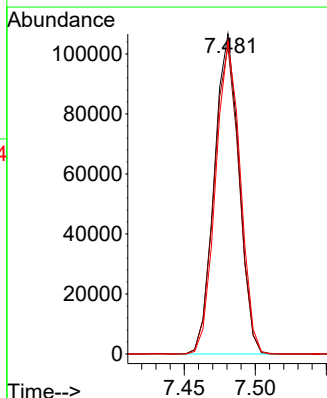
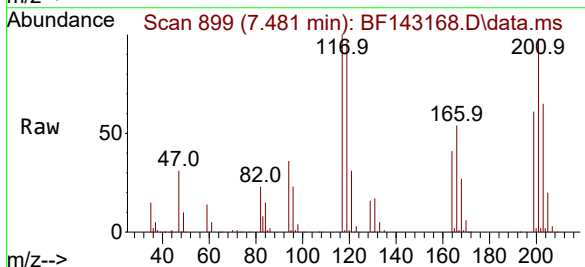
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

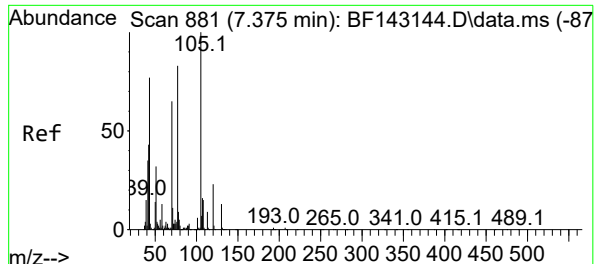
Tgt Ion:107 Resp: 275196
Ion Ratio Lower Upper
107 100
108 115.0 91.8 137.6
77 46.2 37.0 55.6
79 46.8 36.9 55.3



#18
Hexachloroethane
Concen: 39.875 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:117 Resp: 129354
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 97.7 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 36.052 ng

RT: 7.369 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 237904

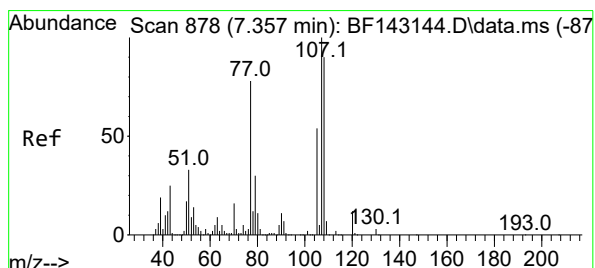
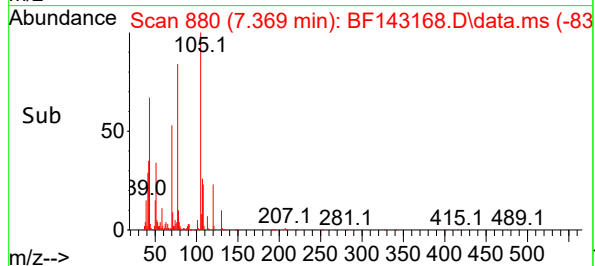
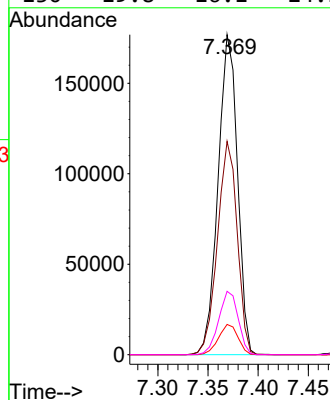
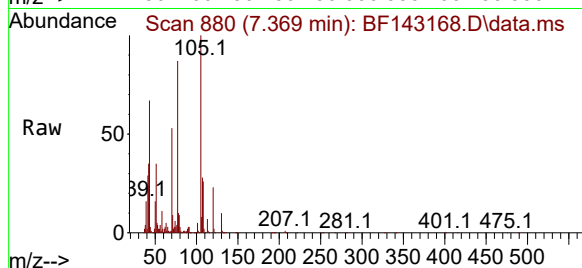
Ion Ratio Lower Upper

70 100

42 66.6 52.5 78.7

101 9.4 7.6 11.4

130 19.8 16.1 24.1



#20

3+4-Methylphenols

Concen: 39.075 ng

RT: 7.357 min Scan# 878

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Tgt Ion:107 Resp: 341442

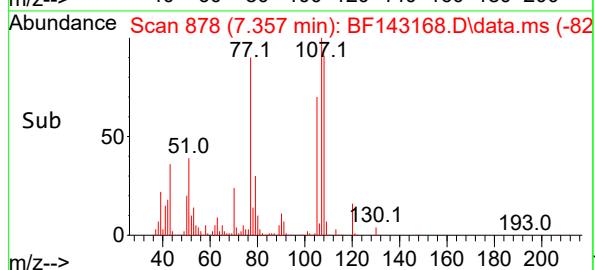
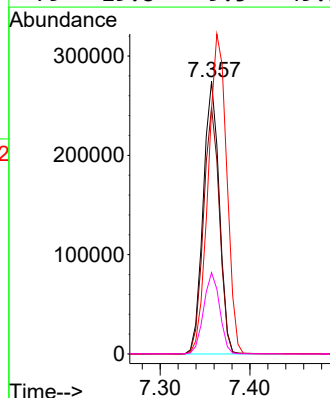
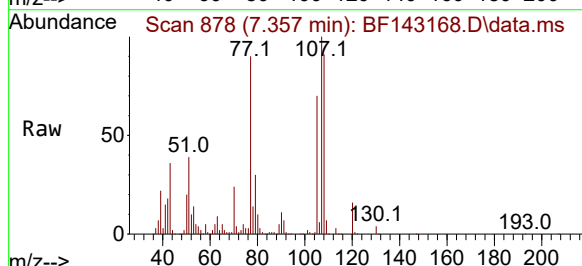
Ion Ratio Lower Upper

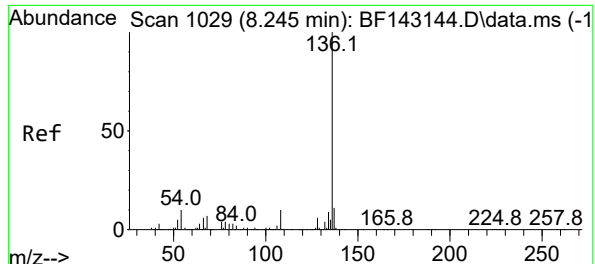
107 100

108 90.6 70.0 110.0

77 89.9 57.8 97.8

79 29.8 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 471327

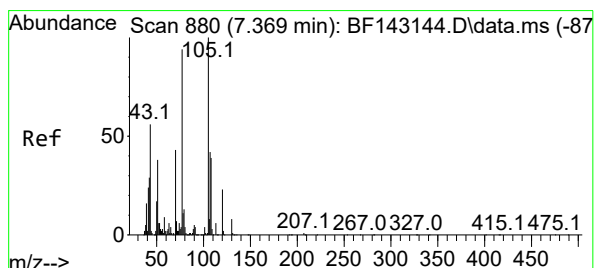
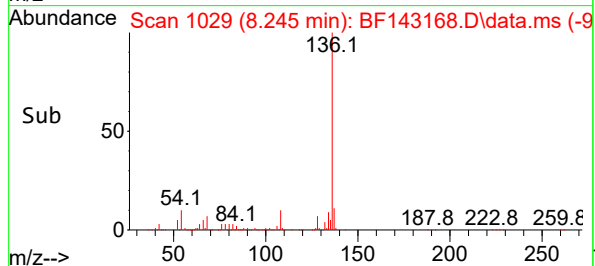
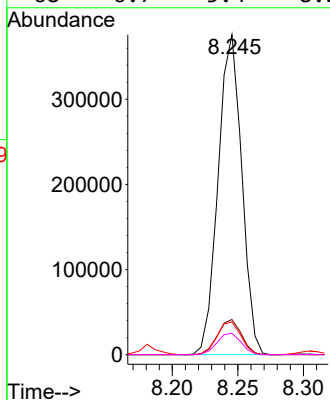
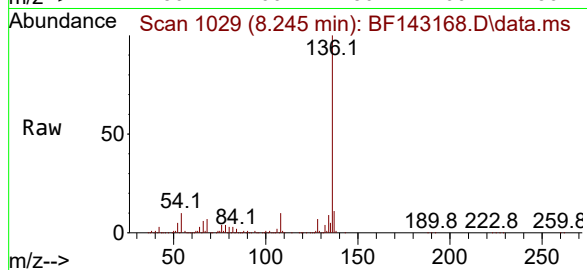
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.2 8.2 12.2

68 6.7 5.4 8.2



#22

Acetophenone

Concen: 39.581 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Tgt Ion:105 Resp: 441669

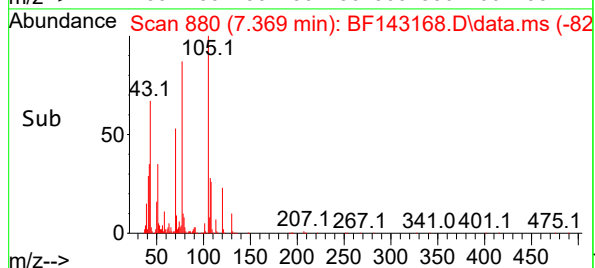
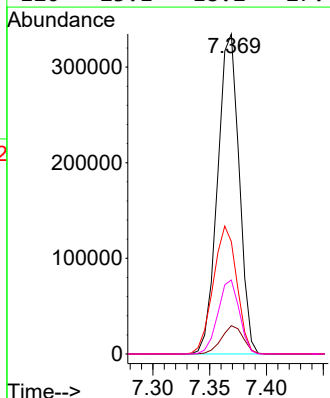
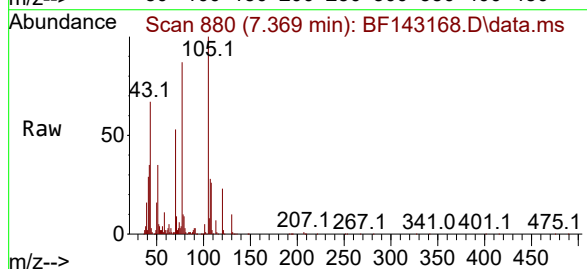
Ion Ratio Lower Upper

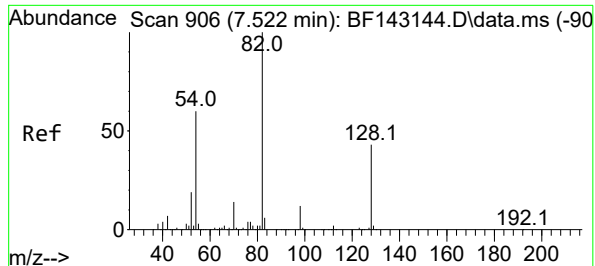
105 100

71 8.8 5.8 8.6

51 35.1 30.2 45.2

120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 86.125 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

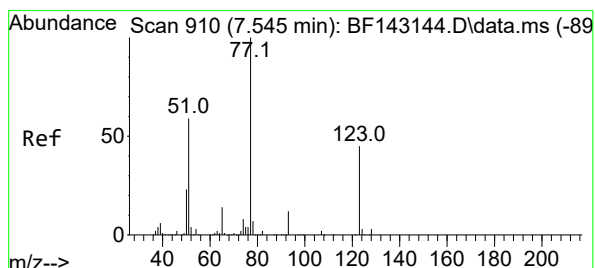
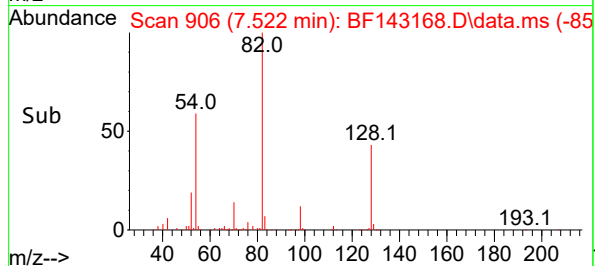
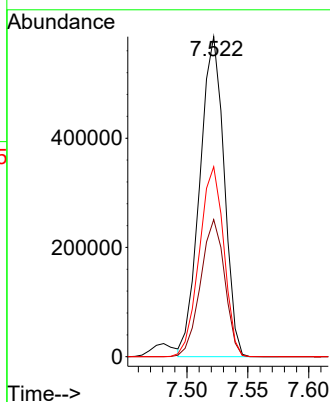
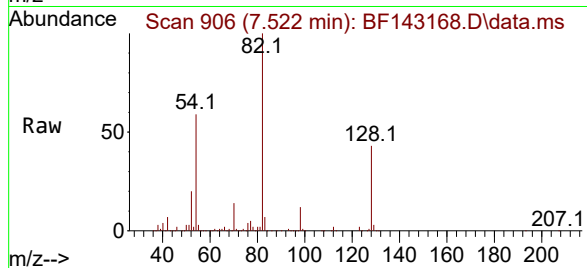
Tgt Ion: 82 Resp: 814350

Ion Ratio Lower Upper

82 100

128 42.8 33.6 50.4

54 59.4 47.1 70.7



#24

Nitrobenzene

Concen: 40.286 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

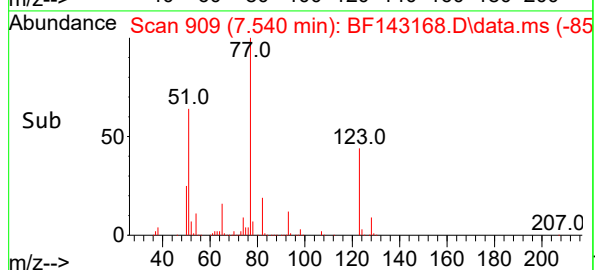
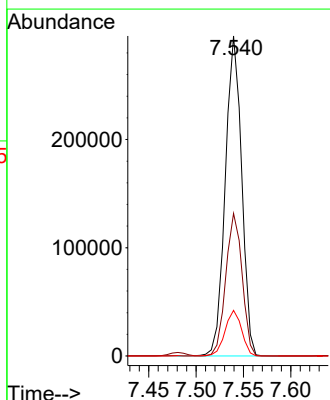
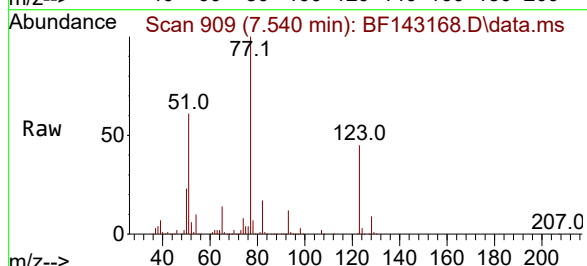
Tgt Ion: 77 Resp: 355142

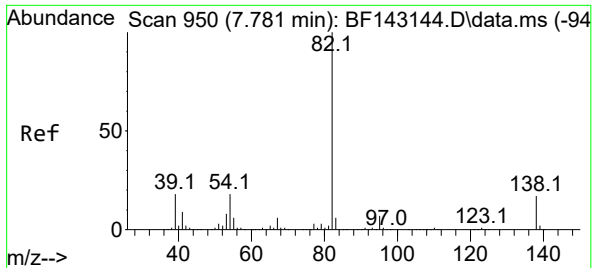
Ion Ratio Lower Upper

77 100

123 44.5 36.1 54.1

65 14.3 11.4 17.2

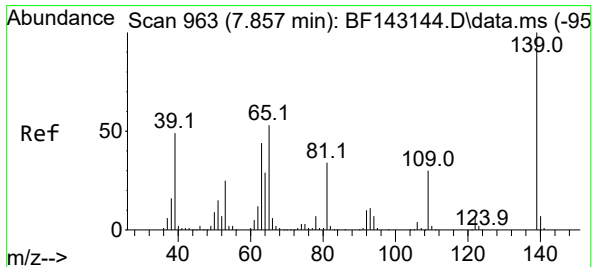
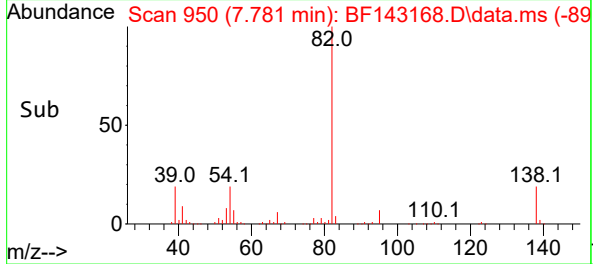
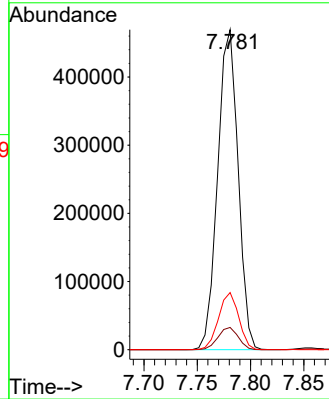
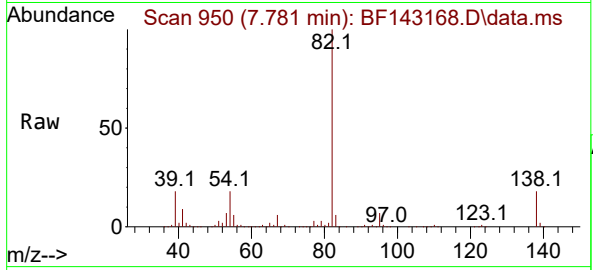




#25
Isophorone
Concen: 37.437 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

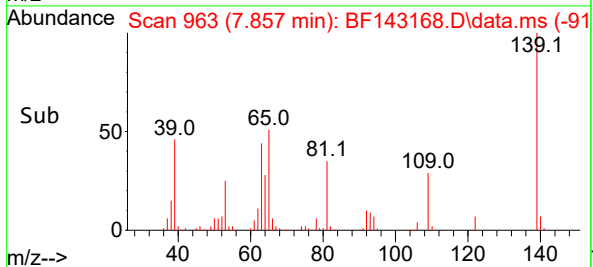
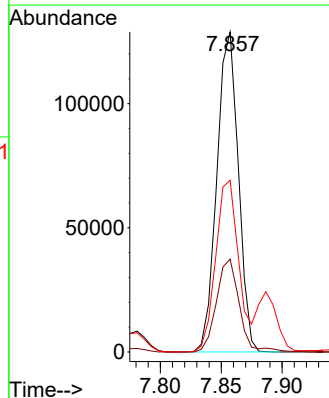
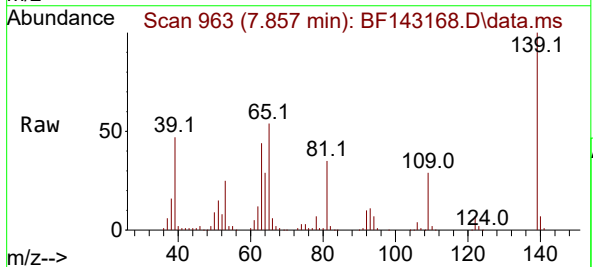
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

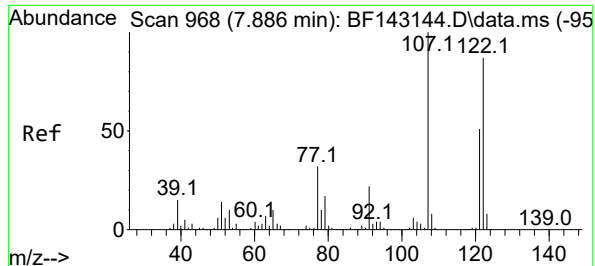
Tgt Ion: 82 Resp: 624906
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 41.369 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 139 Resp: 158275
Ion Ratio Lower Upper
139 100
109 29.0 23.6 35.4
65 53.7 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 38.448 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

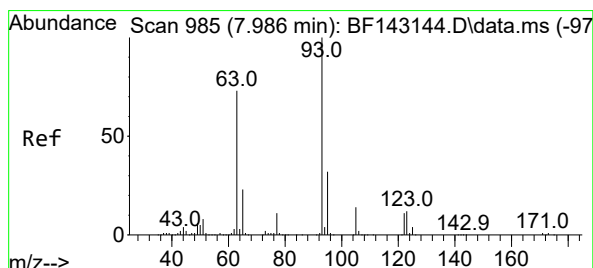
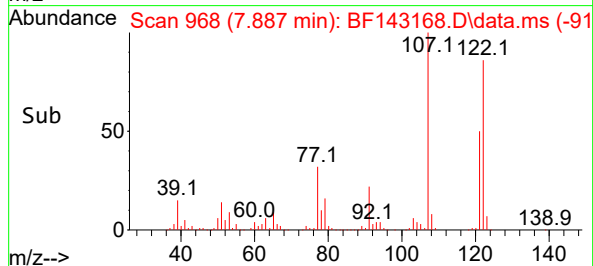
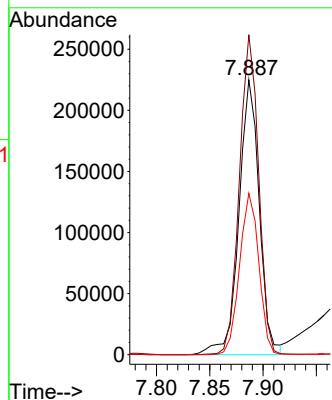
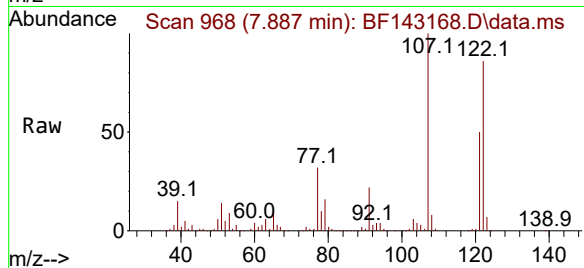
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 299842

Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.8	137.6
121	58.6	46.3	69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.338 ng

RT: 7.987 min Scan# 985

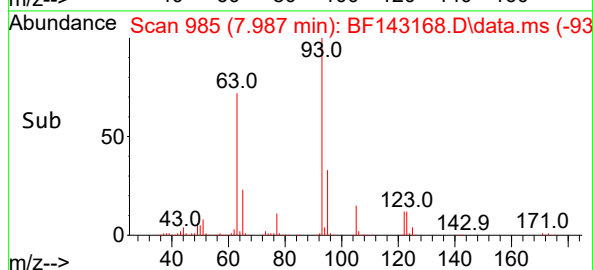
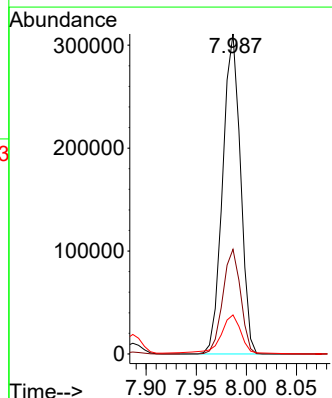
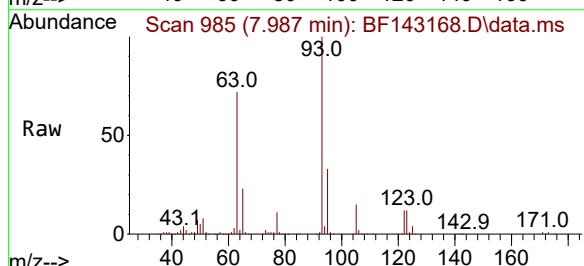
Delta R.T. 0.000 min

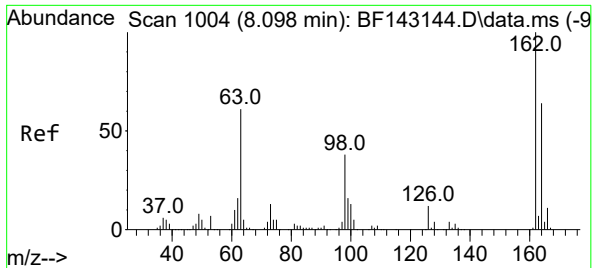
Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Tgt Ion: 93 Resp: 383681

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	12.2	9.7	14.5





#29

2,4-Dichlorophenol

Concen: 39.301 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

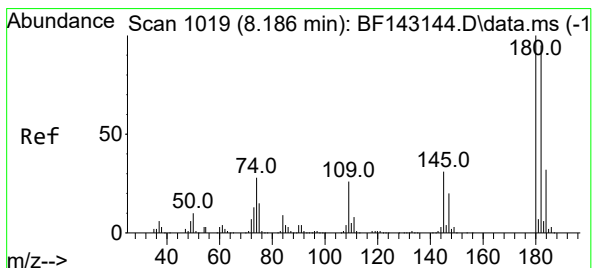
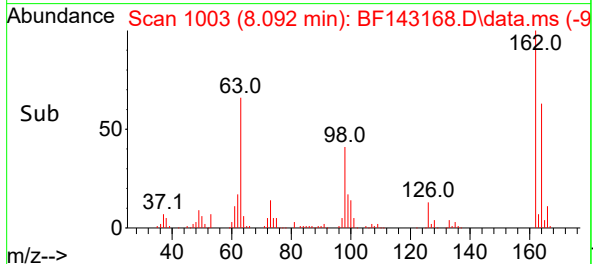
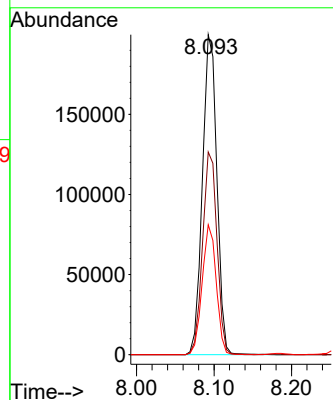
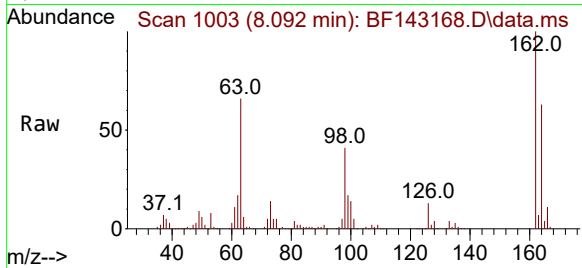
Tgt Ion:162 Resp: 258476

Ion Ratio Lower Upper

162 100

164 63.4 44.2 84.2

98 40.6 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 39.497 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

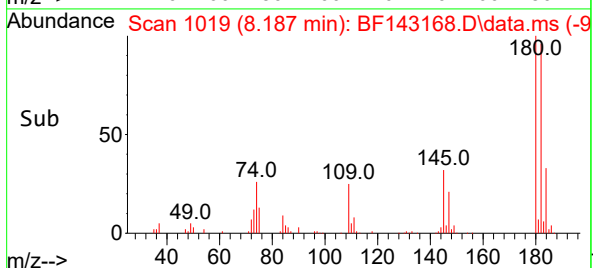
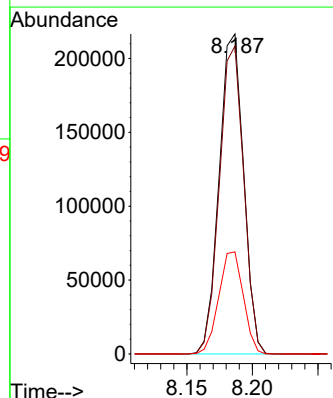
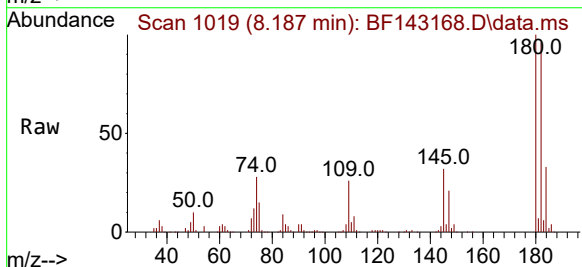
Tgt Ion:180 Resp: 280639

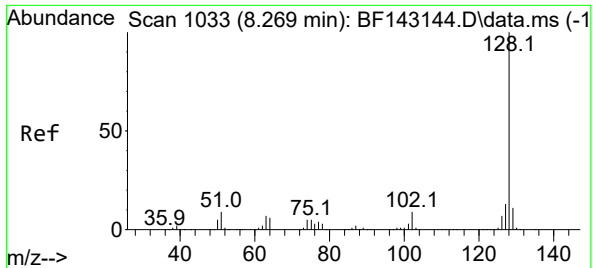
Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 31.9 25.0 37.6





#31

Naphthalene

Concen: 39.153 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

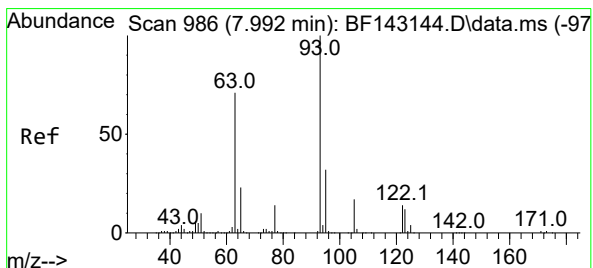
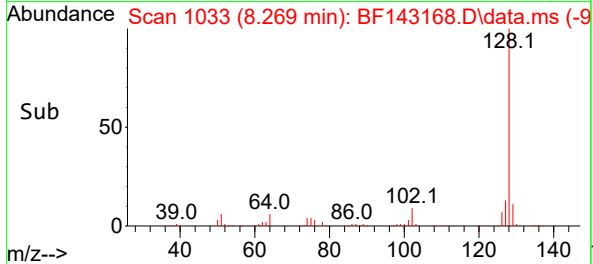
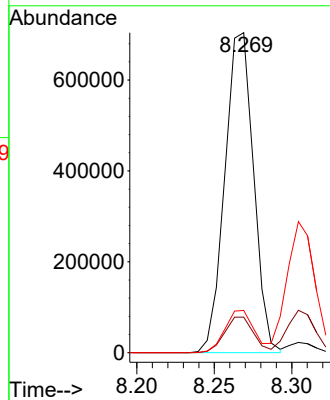
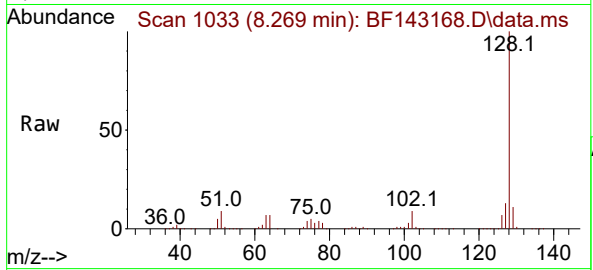
Tgt Ion:128 Resp: 908828

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 37.408 ng

RT: 7.975 min Scan# 983

Delta R.T. -0.017 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

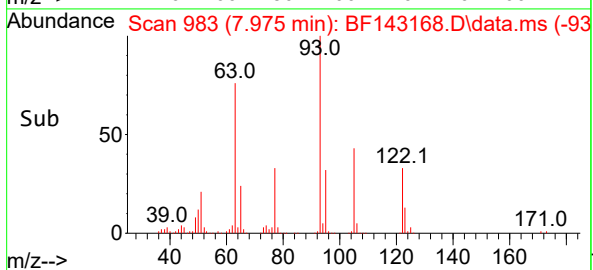
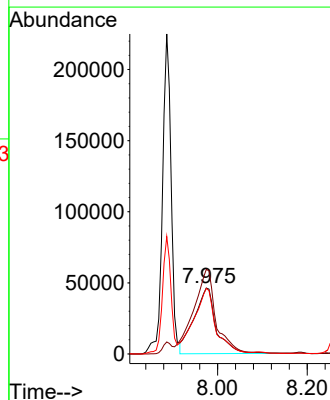
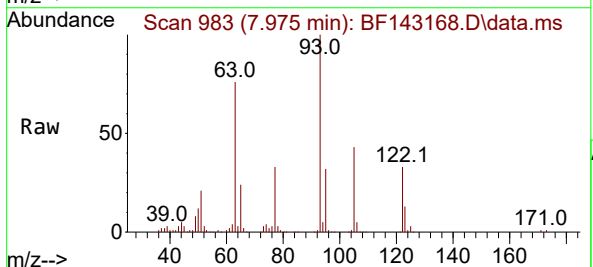
Tgt Ion:122 Resp: 158708

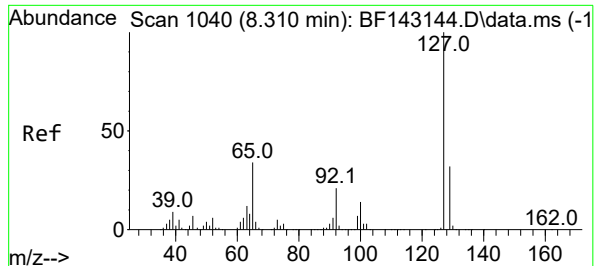
Ion Ratio Lower Upper

122 100

105 128.3 104.8 144.8

77 99.5 77.6 117.6





#33

4-Chloroaniline

Concen: 38.294 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 362956

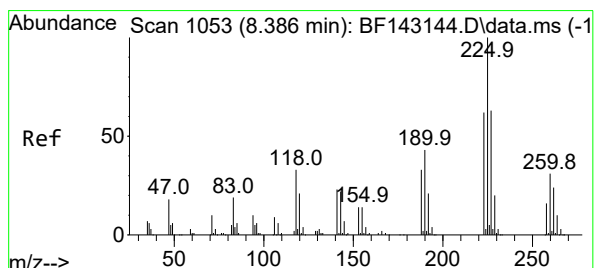
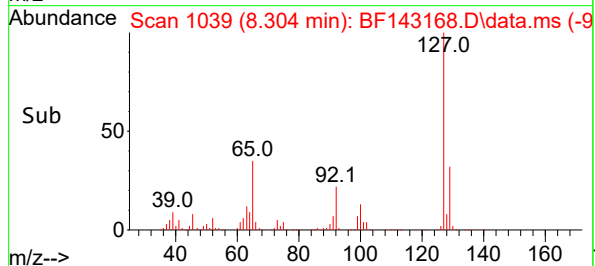
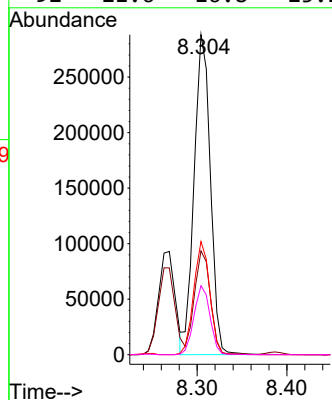
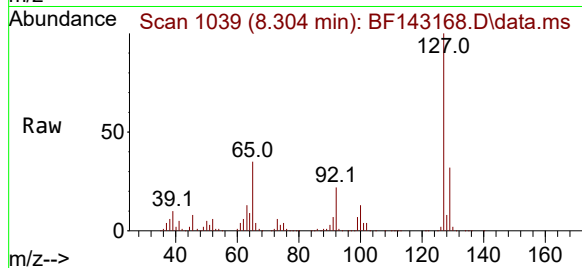
Ion Ratio Lower Upper

127 100

129 32.4 26.0 39.0

65 35.4 27.4 41.2

92 21.6 16.8 25.2



#34

Hexachlorobutadiene

Concen: 40.025 ng

RT: 8.387 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

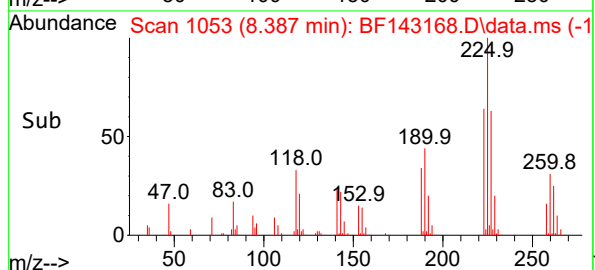
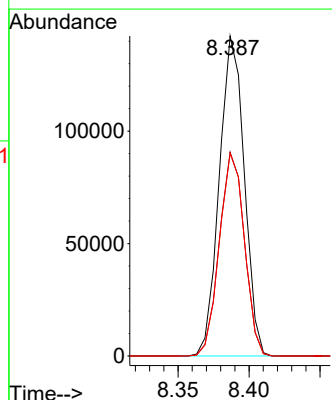
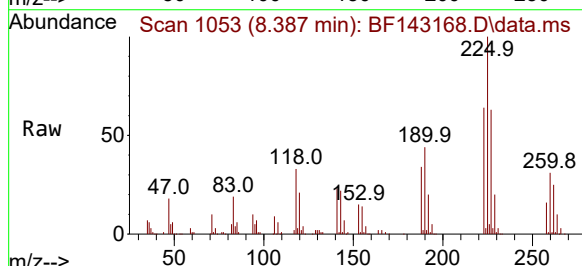
Tgt Ion:225 Resp: 173724

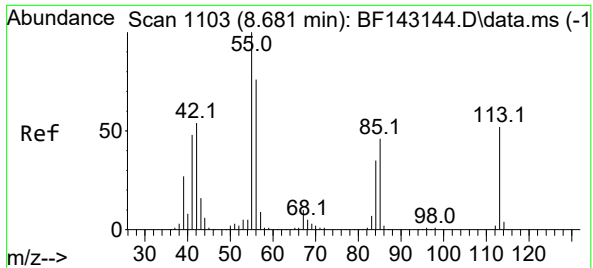
Ion Ratio Lower Upper

225 100

223 63.7 49.8 74.6

227 63.3 50.2 75.4

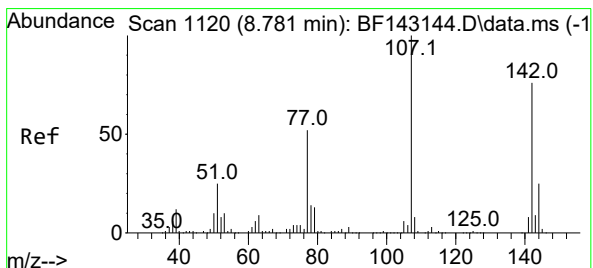
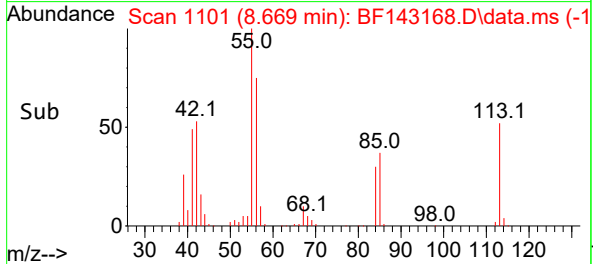
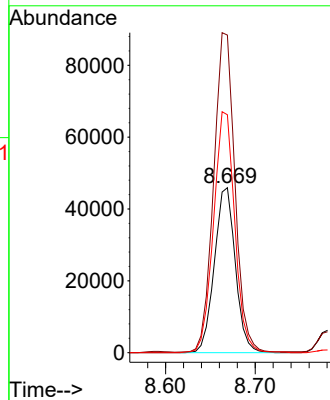
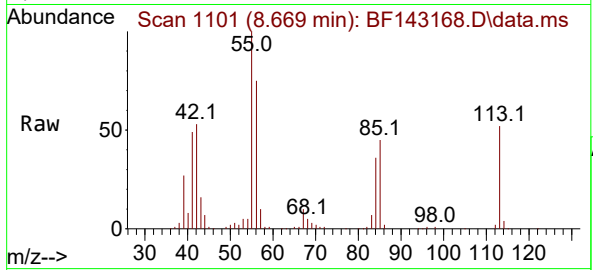




#35
Caprolactam
Concen: 37.497 ng
RT: 8.669 min Scan# 1101
Delta R.T. -0.012 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

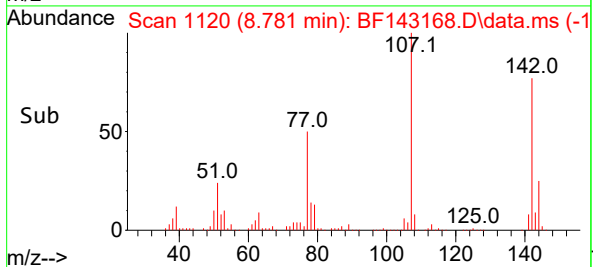
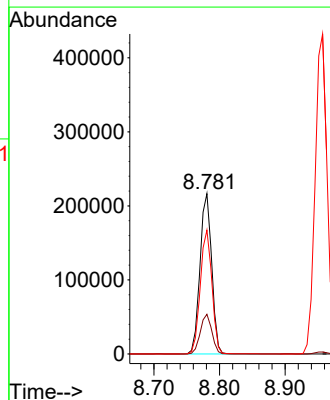
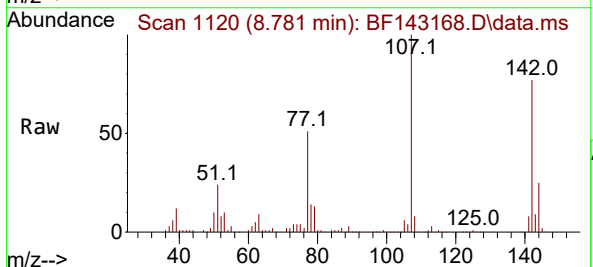
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

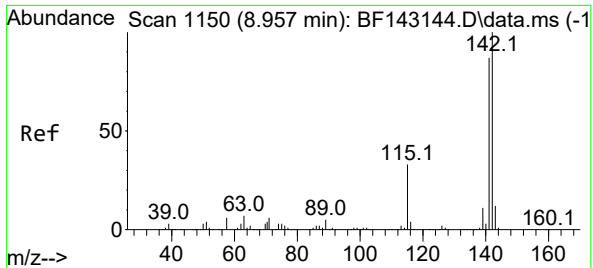
Tgt Ion:113 Resp: 74522
Ion Ratio Lower Upper
113 100
55 192.6 174.0 214.0
56 144.3 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 37.698 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:107 Resp: 269483
Ion Ratio Lower Upper
107 100
144 24.7 19.8 29.6
142 77.3 60.6 90.8

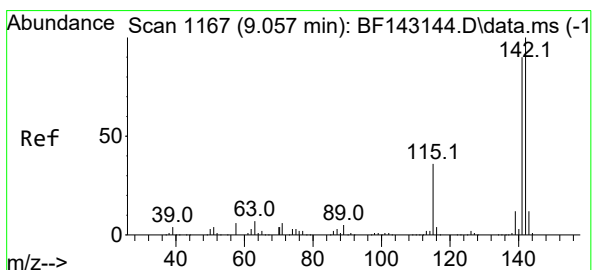
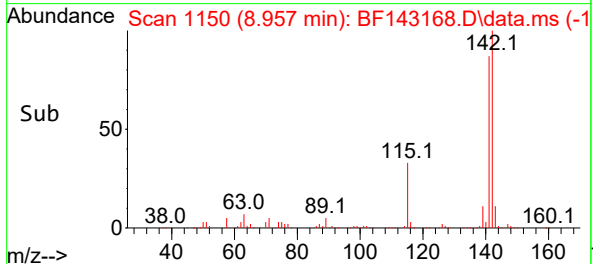
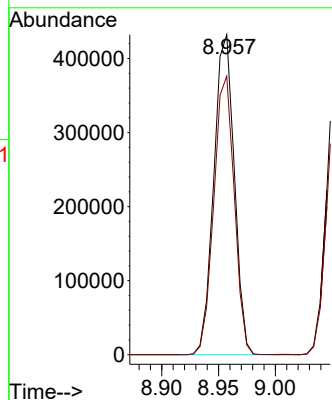
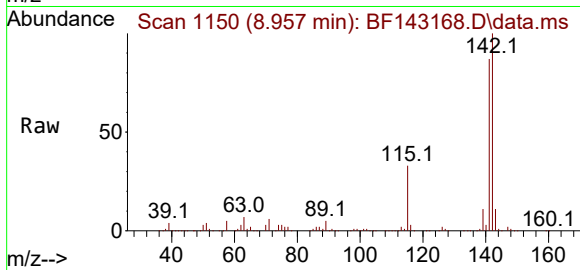




#37
2-Methylnaphthalene
Concen: 38.393 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

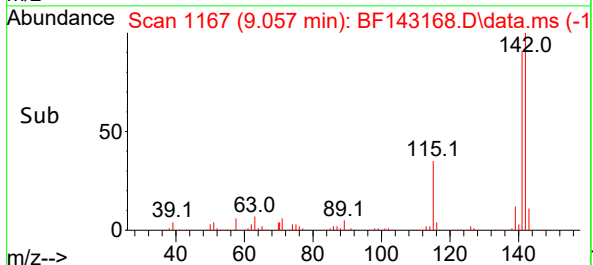
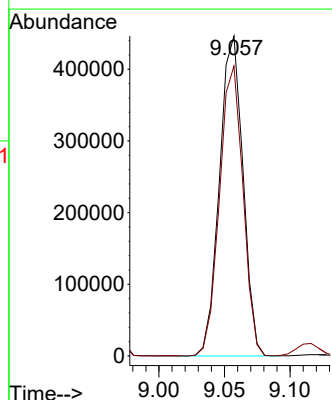
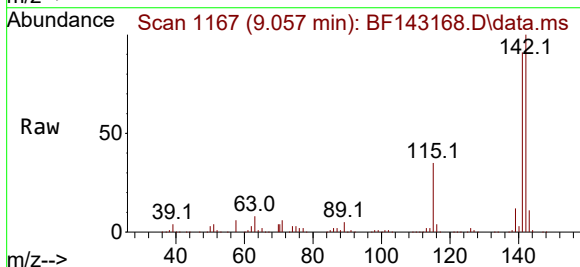
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

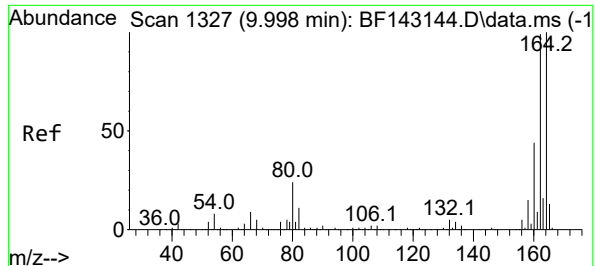
Tgt Ion:142 Resp: 542306
Ion Ratio Lower Upper
142 100
141 87.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 38.246 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:142 Resp: 556301
Ion Ratio Lower Upper
142 100
141 90.6 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

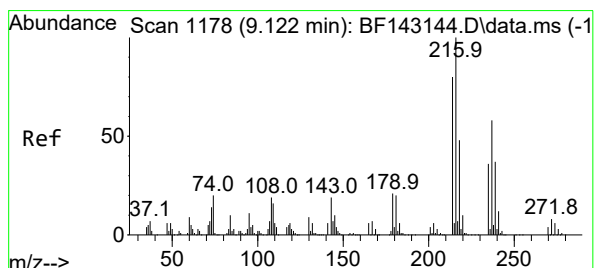
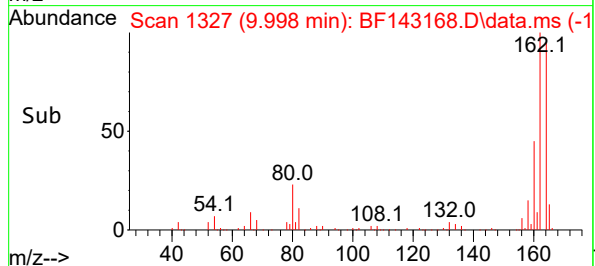
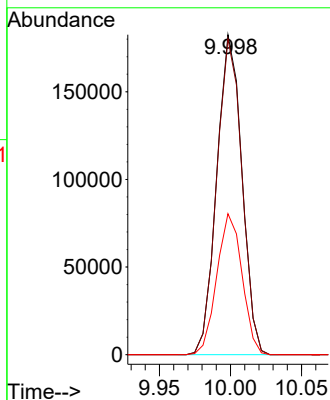
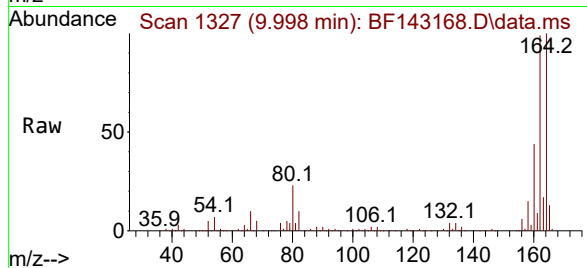
Tgt Ion:164 Resp: 224541

Ion Ratio Lower Upper

164 100

162 98.7 79.0 118.6

160 44.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.778 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Tgt Ion:216 Resp: 264356

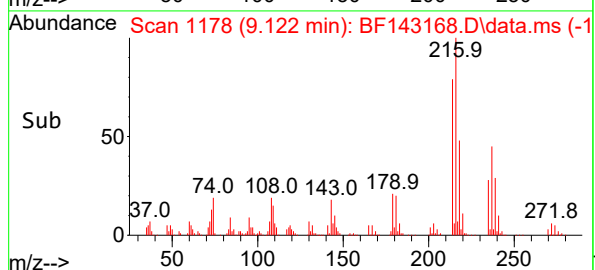
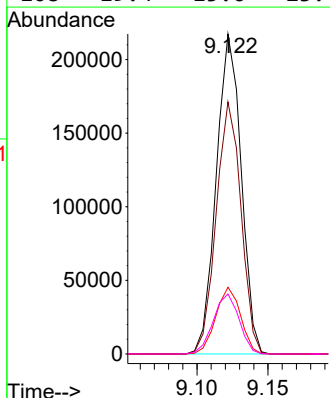
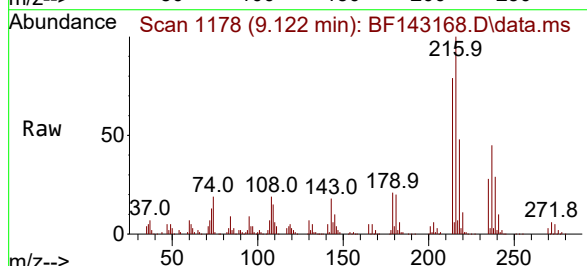
Ion Ratio Lower Upper

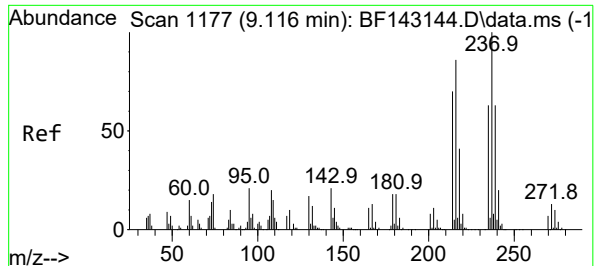
216 100

214 78.4 63.8 95.8

179 20.8 16.4 24.6

108 19.4 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 40.861 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

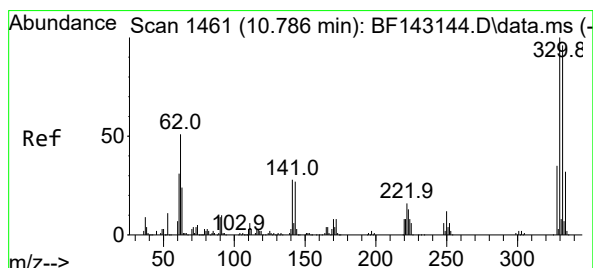
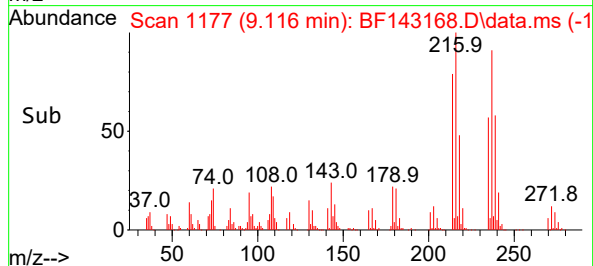
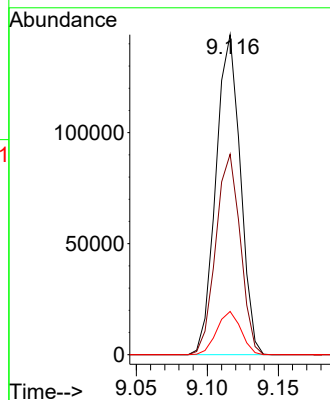
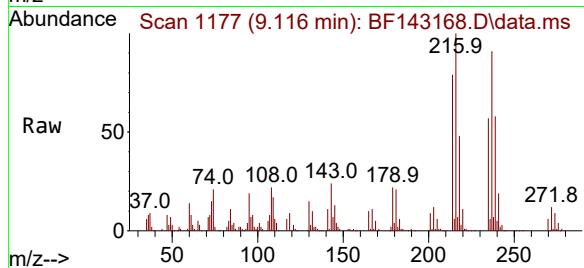
Tgt Ion:237 Resp: 172355

Ion Ratio Lower Upper

237 100

235 62.7 43.0 83.0

272 13.5 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 77.809 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

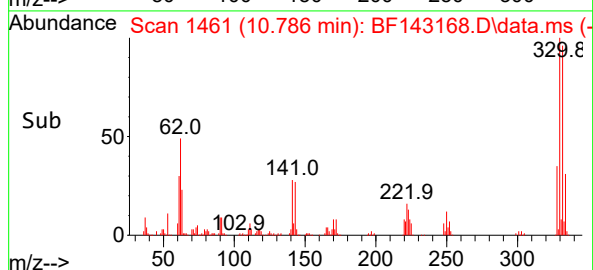
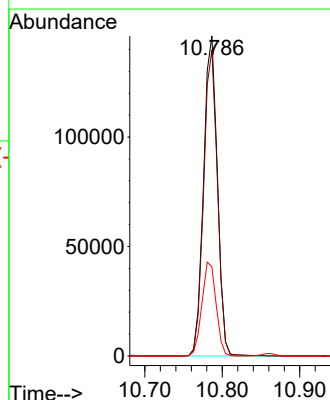
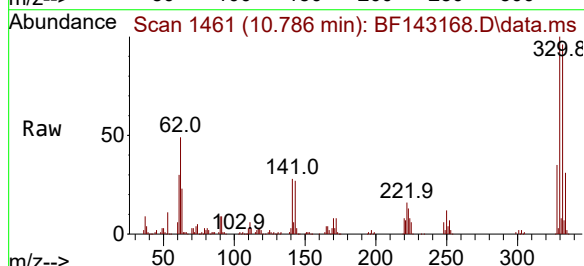
Tgt Ion:330 Resp: 180488

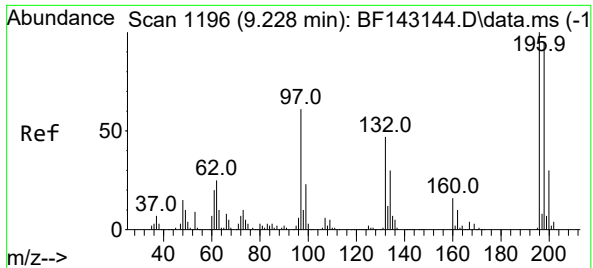
Ion Ratio Lower Upper

330 100

332 95.3 76.7 115.1

141 30.1 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 39.031 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

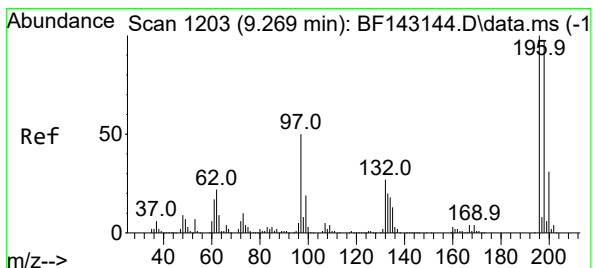
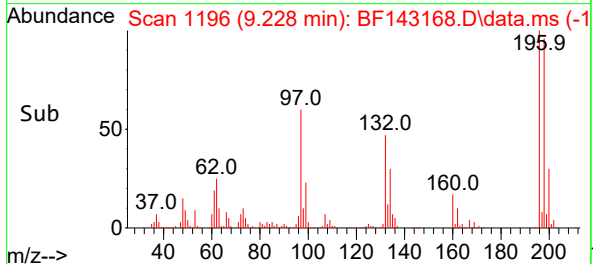
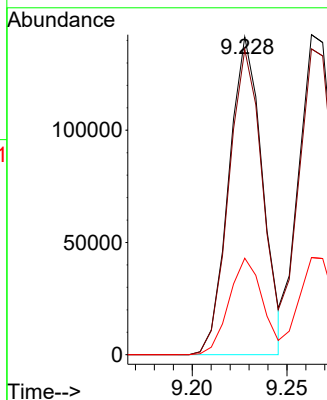
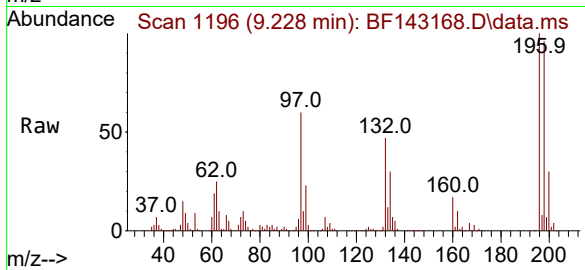
Tgt Ion:196 Resp: 175117

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

200 30.4 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 41.120 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Tgt Ion:196 Resp: 184547

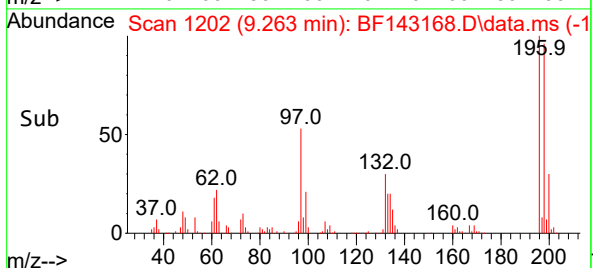
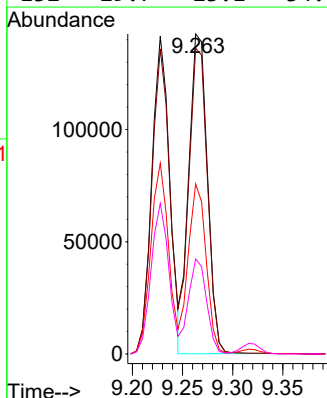
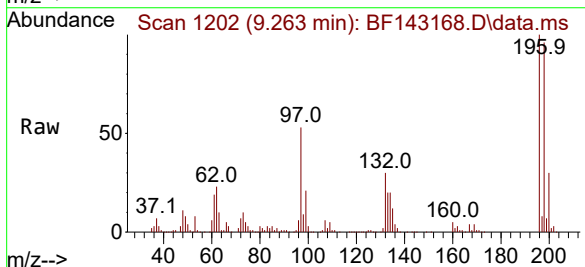
Ion Ratio Lower Upper

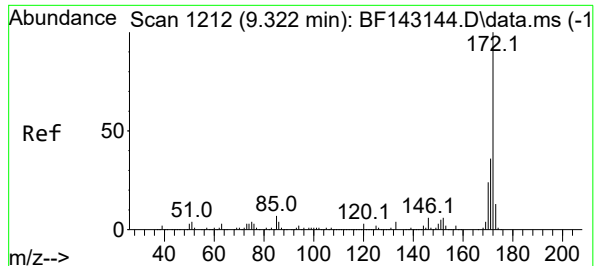
196 100

198 95.6 77.3 115.9

97 53.2 40.3 60.5

132 29.7 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 83.990 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

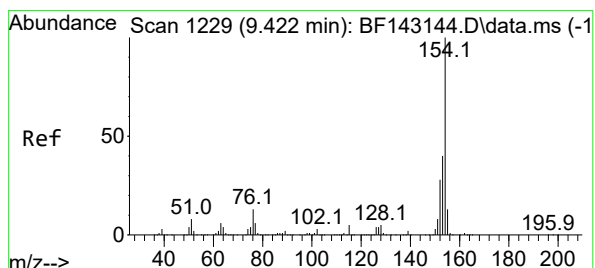
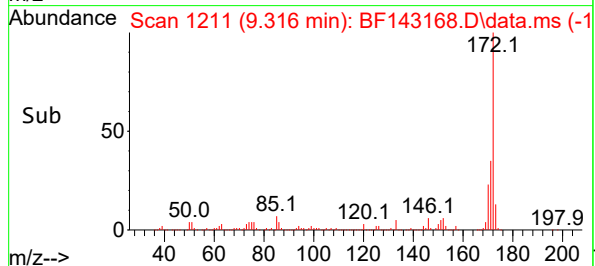
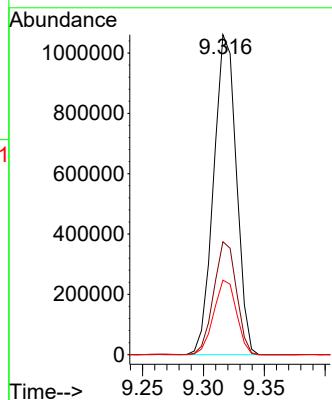
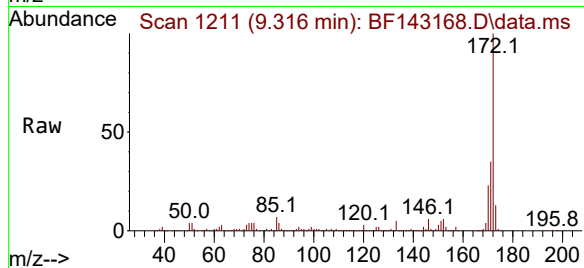
Tgt Ion:172 Resp: 1378979

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 40.377 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

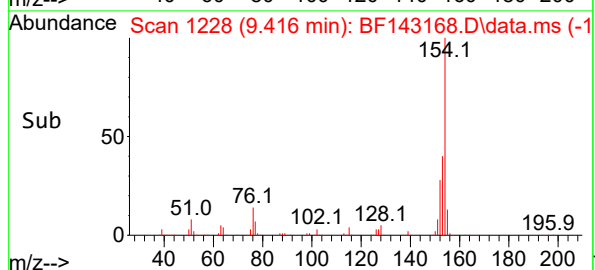
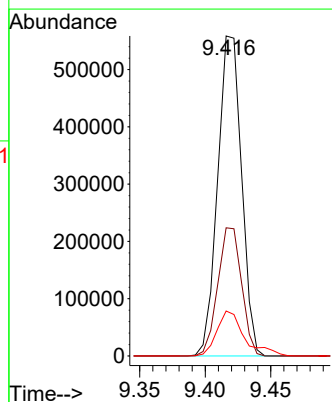
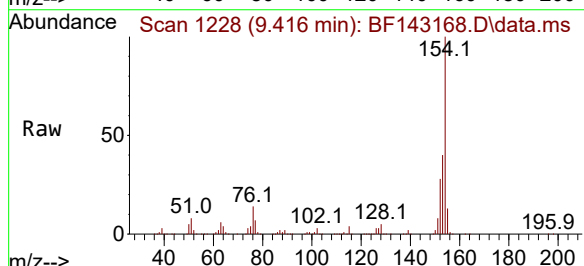
Tgt Ion:154 Resp: 707353

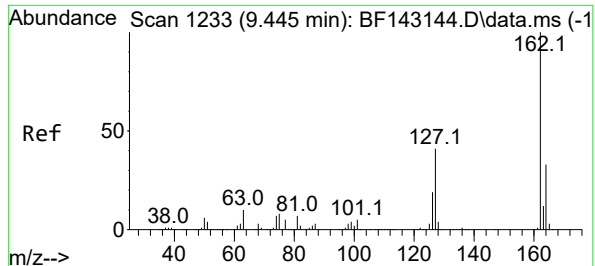
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 14.1 0.0 33.3





#47

2-Chloronaphthalene

Concen: 40.548 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

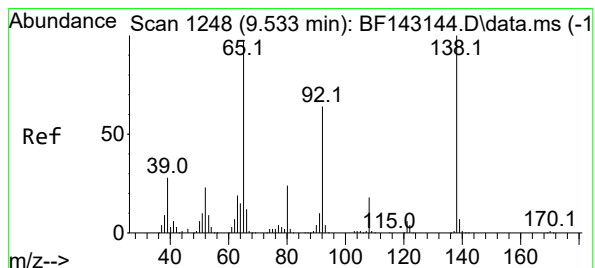
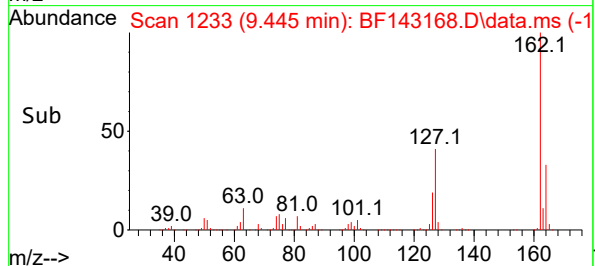
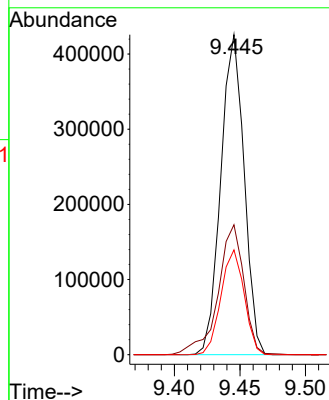
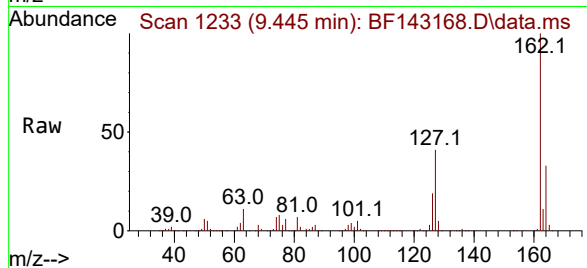
Tgt Ion:162 Resp: 525598

Ion Ratio Lower Upper

162 100

127 40.6 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 40.690 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

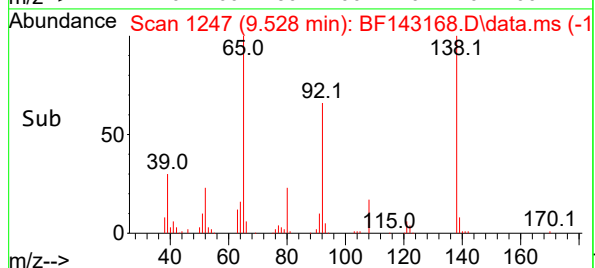
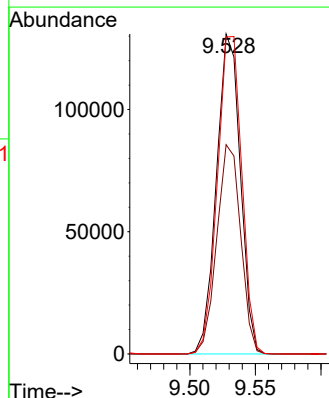
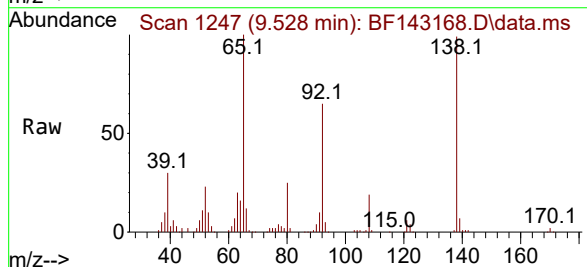
Tgt Ion: 65 Resp: 165406

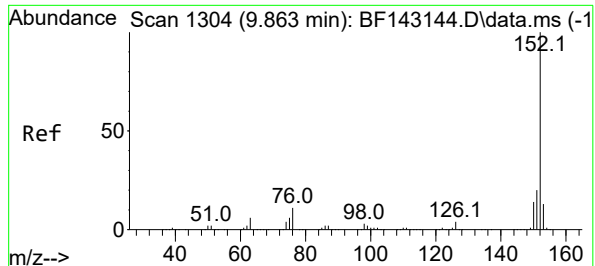
Ion Ratio Lower Upper

65 100

92 65.4 52.4 78.6

138 99.1 82.3 123.5





#49

Acenaphthylene

Concen: 39.729 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

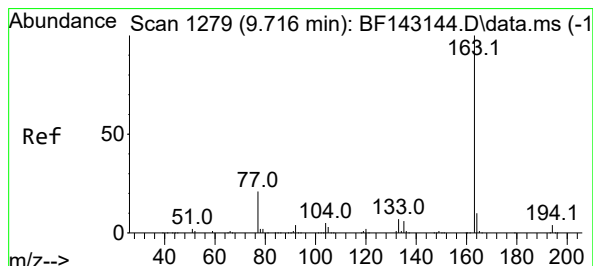
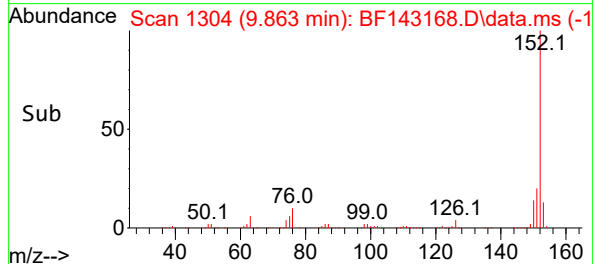
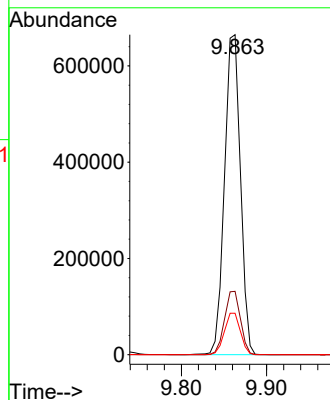
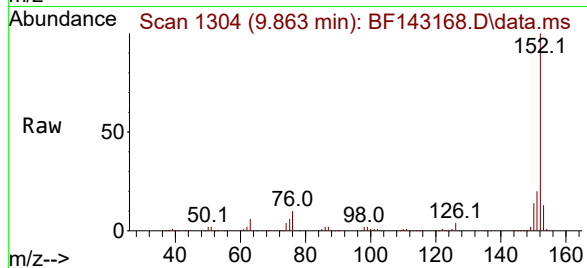
Tgt Ion:152 Resp: 863039

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 12.9 10.6 16.0



#50

Dimethylphthalate

Concen: 38.694 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

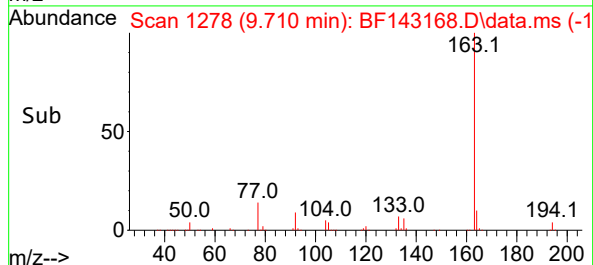
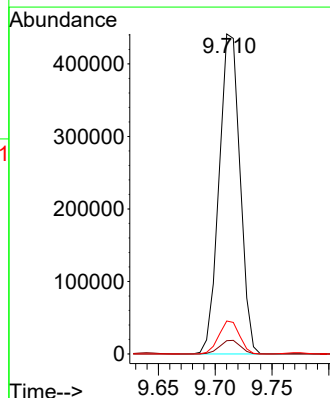
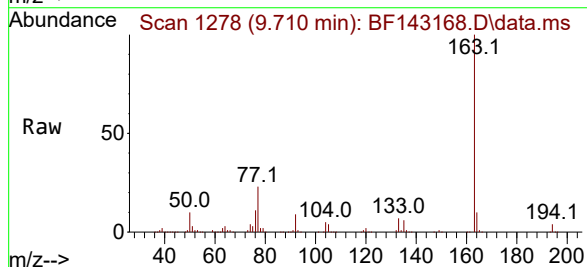
Tgt Ion:163 Resp: 566336

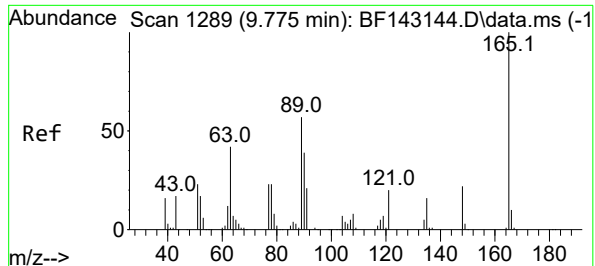
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.3 8.3 12.5

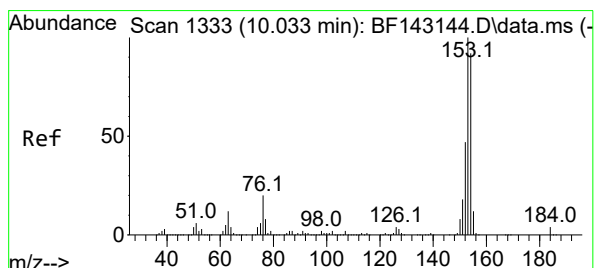
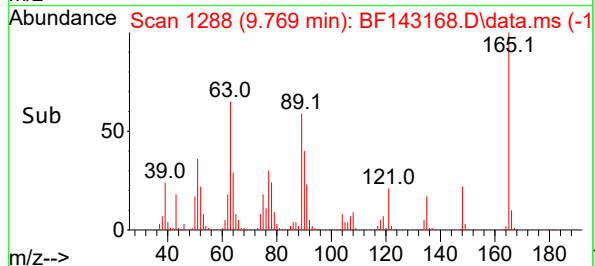
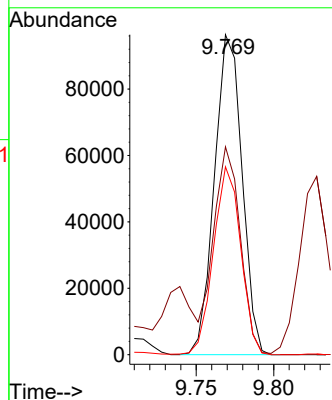
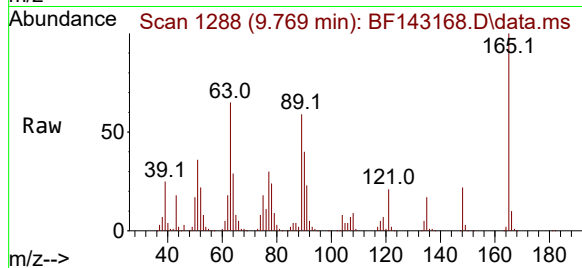




#51
2,6-Dinitrotoluene
Concen: 40.104 ng
RT: 9.769 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

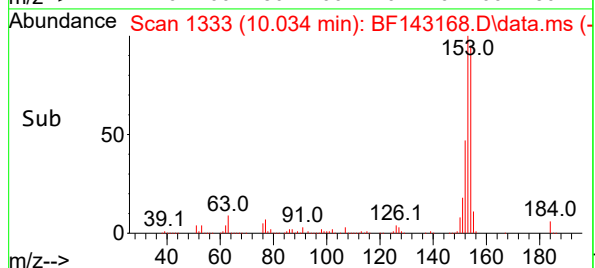
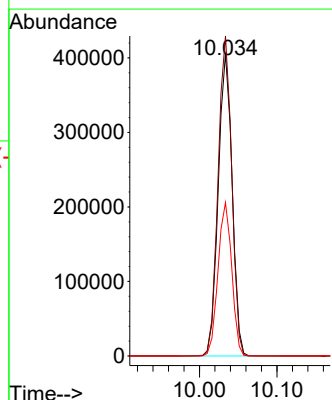
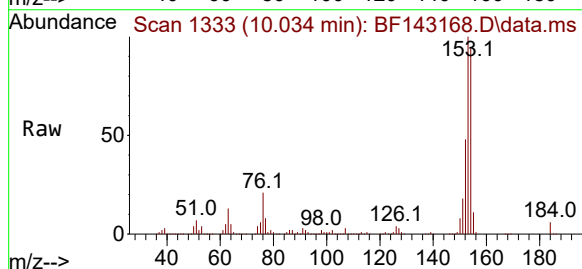
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

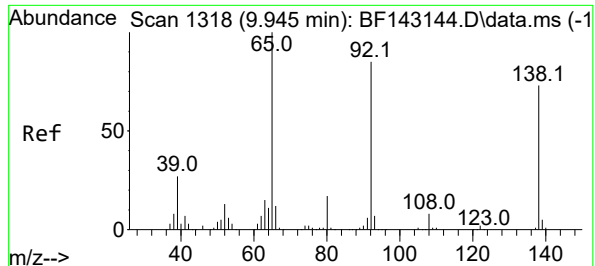
Tgt Ion:165 Resp: 119406
Ion Ratio Lower Upper
165 100
63 65.0 49.4 74.2
89 58.7 46.2 69.2



#52
Acenaphthene
Concen: 39.307 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:154 Resp: 504677
Ion Ratio Lower Upper
154 100
153 105.8 86.6 129.8
152 50.7 40.4 60.6





#53

3-Nitroaniline

Concen: 39.575 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

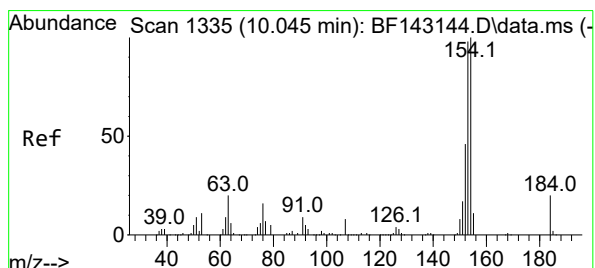
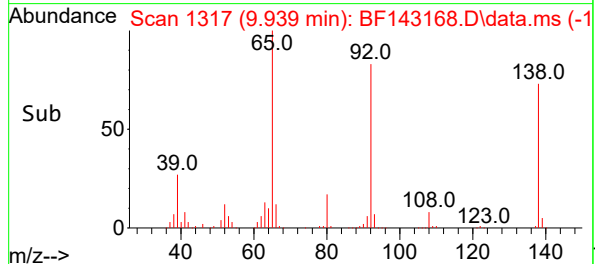
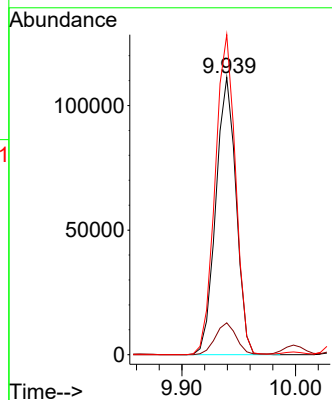
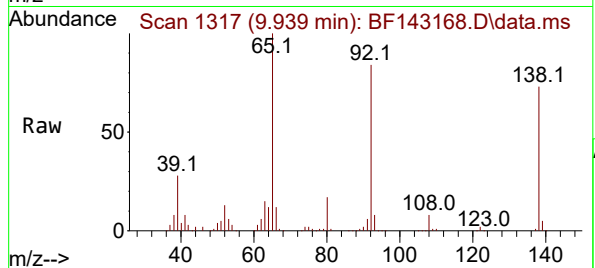
Tgt Ion:138 Resp: 137824

Ion Ratio Lower Upper

138 100

108 11.5 9.0 13.6

92 115.4 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 37.445 ng

RT: 10.039 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

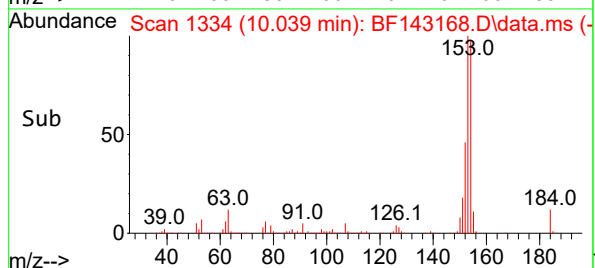
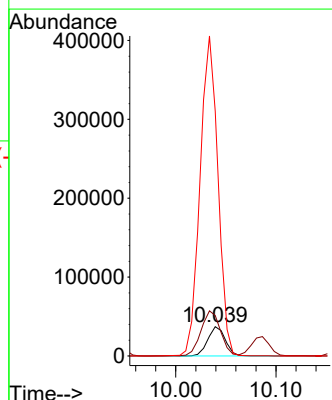
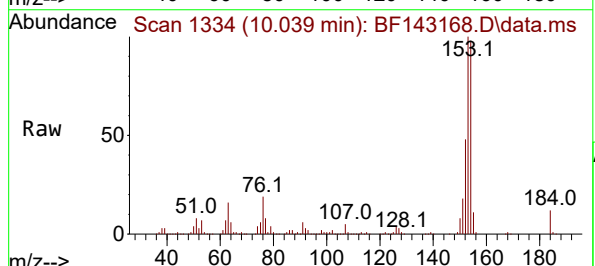
Tgt Ion:184 Resp: 45312

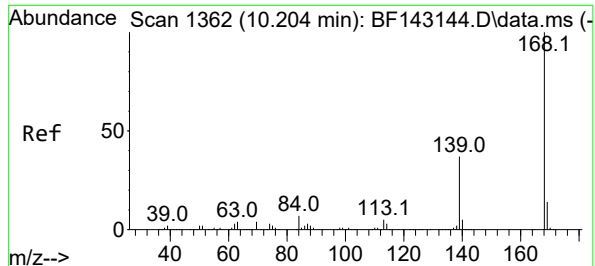
Ion Ratio Lower Upper

184 100

63 138.3 81.8 122.6#

154 836.1 412.2 618.4#





#55

Dibenzofuran

Concen: 38.531 ng

RT: 10.204 min Scan# 1362

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

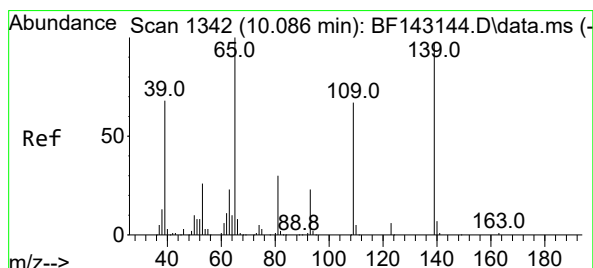
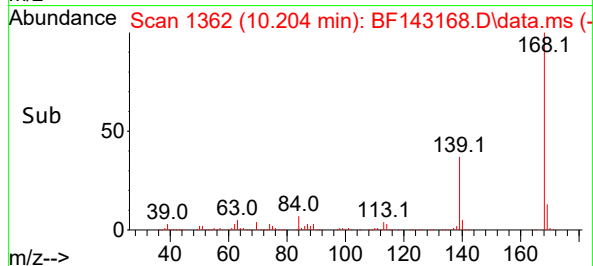
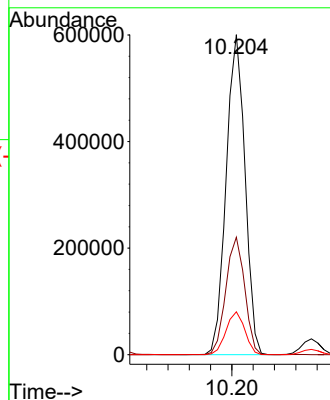
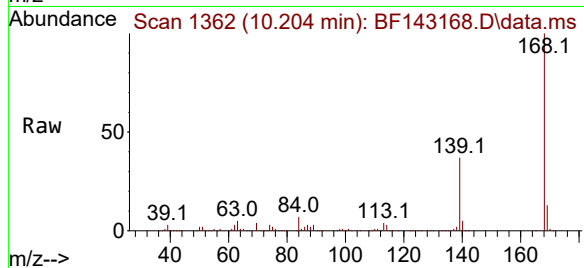
Tgt Ion:168 Resp: 734501

Ion Ratio Lower Upper

168 100

139 36.7 29.5 44.3

169 13.4 10.9 16.3



#56

4-Nitrophenol

Concen: 39.397 ng

RT: 10.086 min Scan# 1342

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

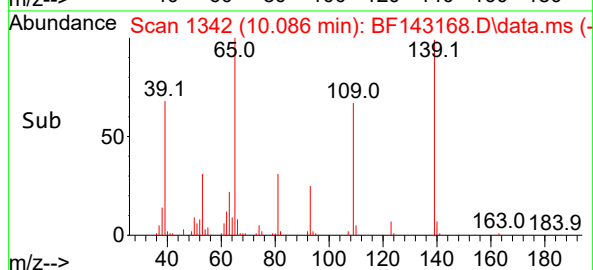
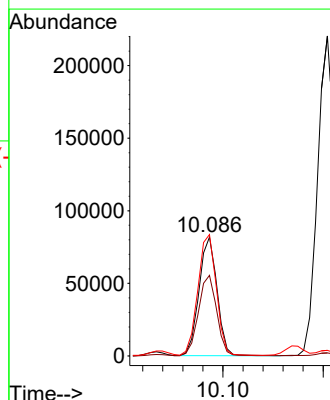
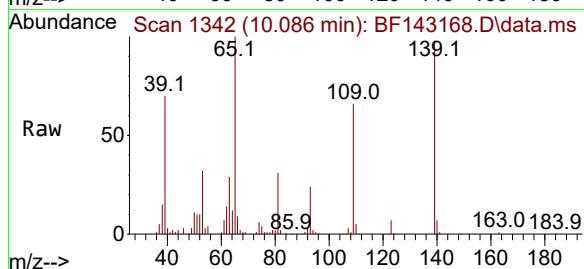
Tgt Ion:139 Resp: 102456

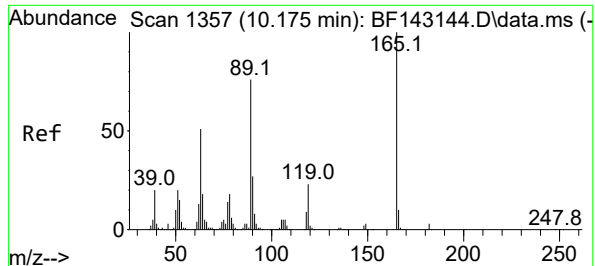
Ion Ratio Lower Upper

139 100

109 67.8 48.5 88.5

65 102.1 83.4 123.4

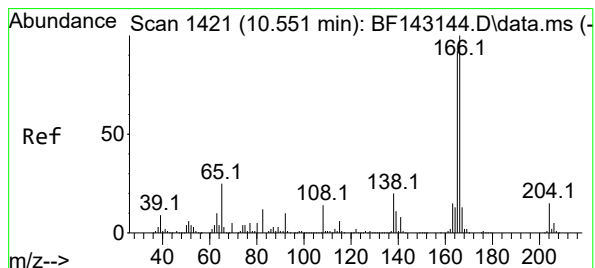
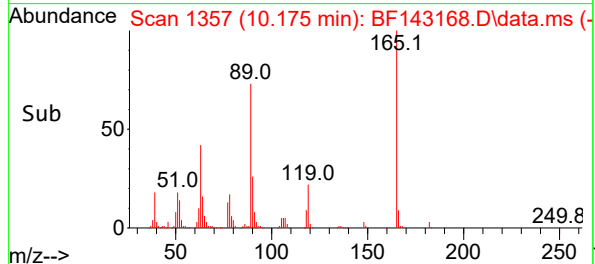
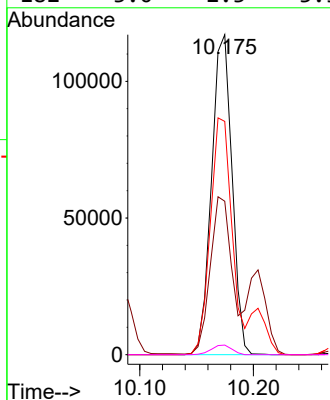
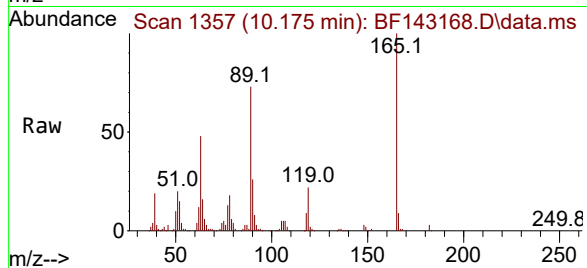




#57
2,4-Dinitrotoluene
Concen: 39.271 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

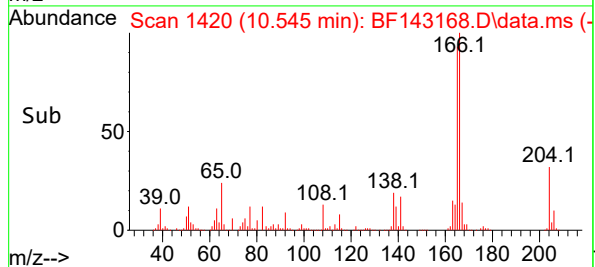
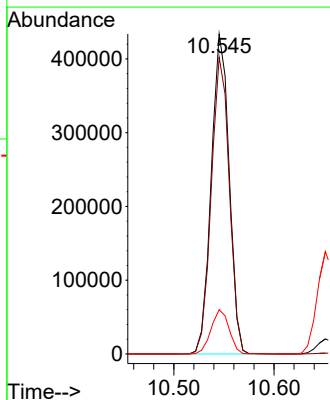
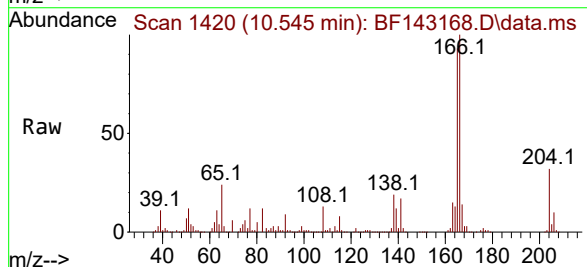
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

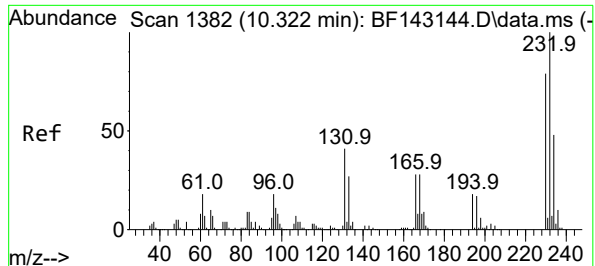
Tgt Ion:165 Resp: 146697
Ion Ratio Lower Upper
165 100
63 48.0 41.0 61.4
89 72.9 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 37.663 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:166 Resp: 538833
Ion Ratio Lower Upper
166 100
165 92.8 73.7 110.5
167 13.8 10.6 16.0

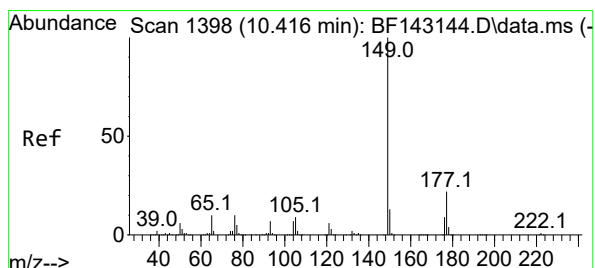
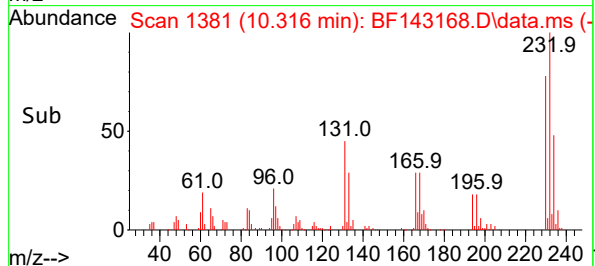
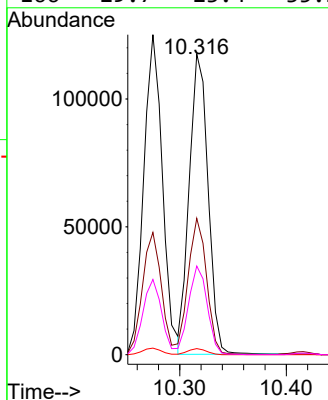
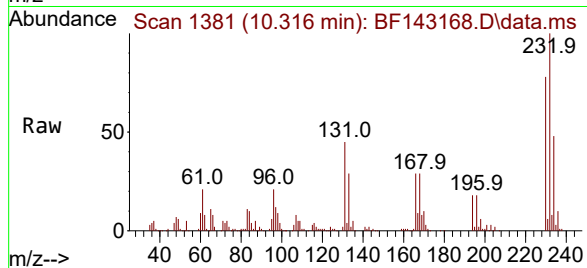




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.777 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

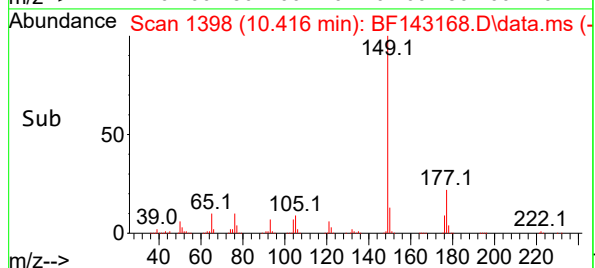
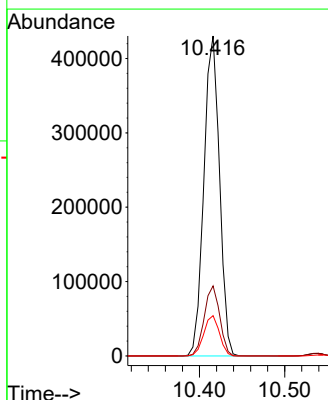
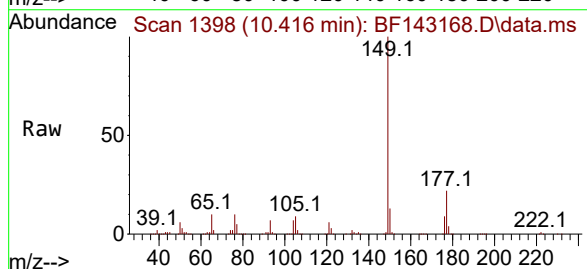
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

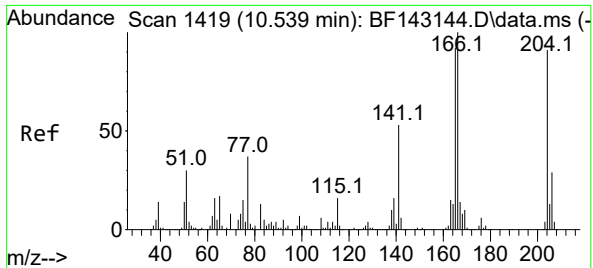
Tgt Ion:232 Resp: 144159
Ion Ratio Lower Upper
232 100
131 45.5 35.3 52.9
130 2.0 1.7 2.5
166 29.7 23.4 35.2



#60
Diethylphthalate
Concen: 37.818 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:149 Resp: 547097
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.6 10.2 15.2

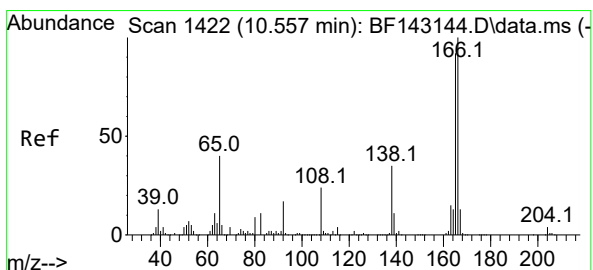
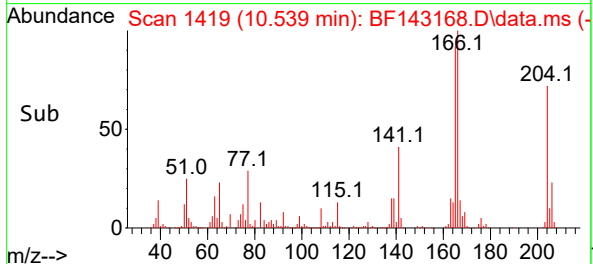
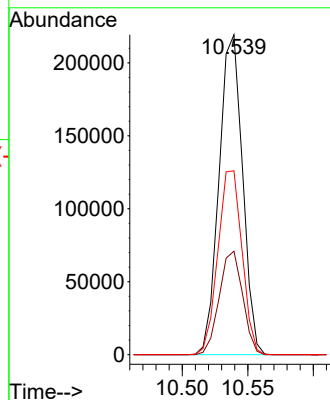
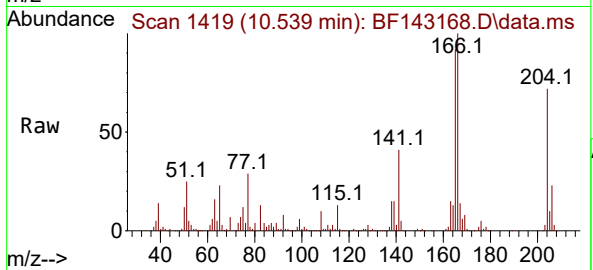




#61
4-Chlorophenyl-phenylether
Concen: 38.350 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

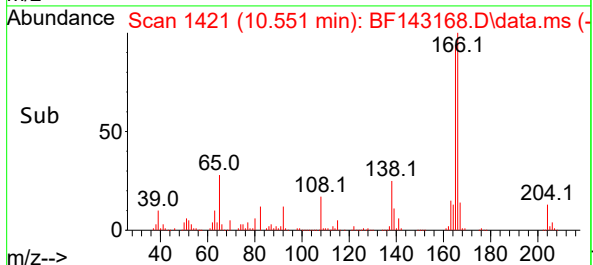
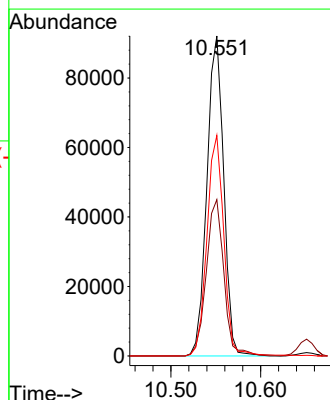
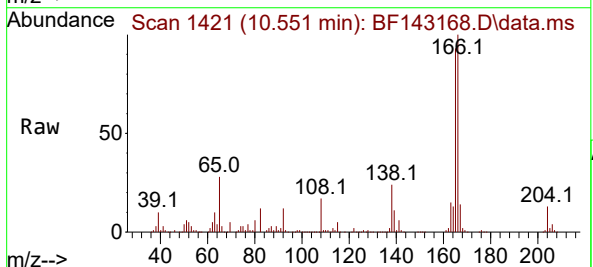
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

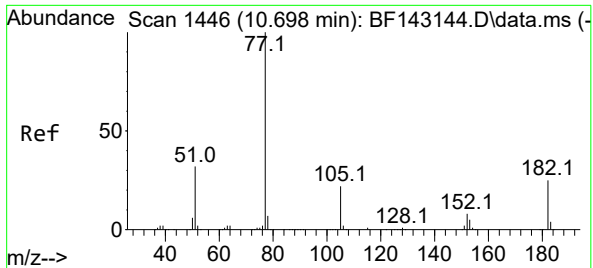
Tgt Ion:204 Resp: 273201
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.4 47.0 70.4



#62
4-Nitroaniline
Concen: 39.990 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:138 Resp: 119360
Ion Ratio Lower Upper
138 100
92 48.8 29.3 69.3
108 68.9 48.3 88.3

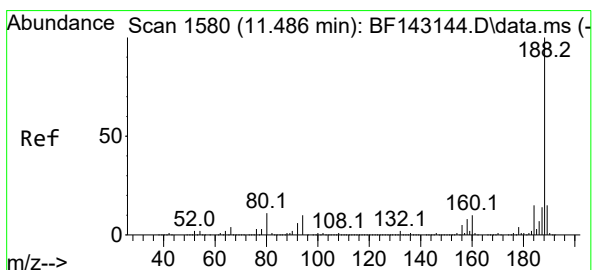
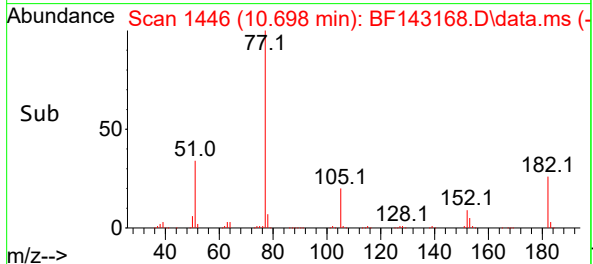
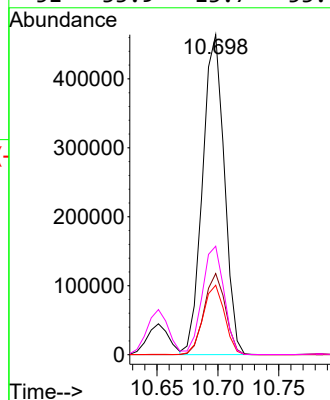
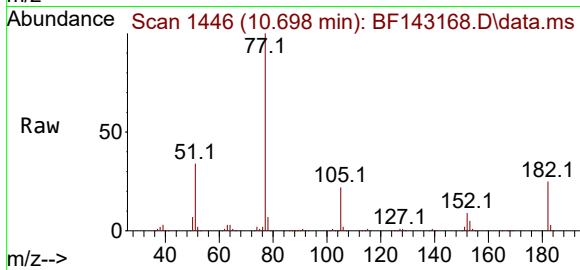




#63
Azobenzene
Concen: 38.266 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

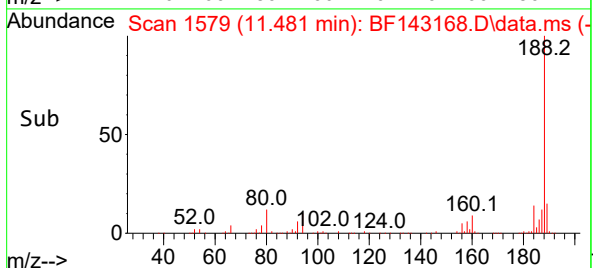
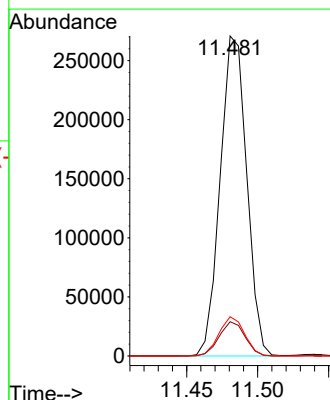
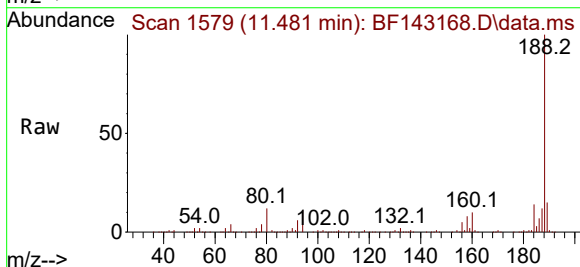
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

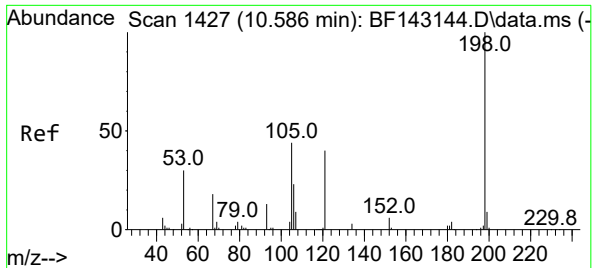
Tgt Ion: 77 Resp: 576949
Ion Ratio Lower Upper
77 100
182 25.3 4.6 44.6
105 21.7 1.4 41.4
51 33.9 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion: 188 Resp: 352118
Ion Ratio Lower Upper
188 100
94 10.7 8.3 12.5
80 12.3 9.0 13.6

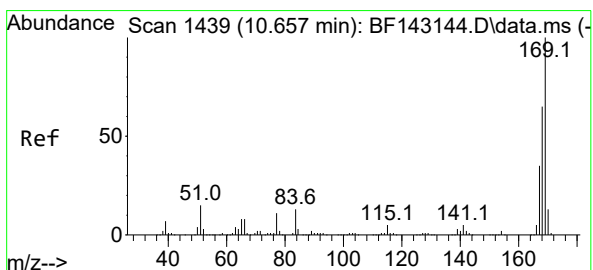
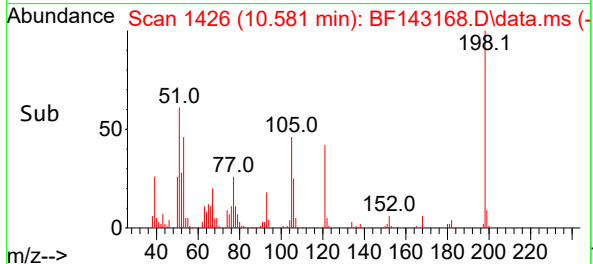
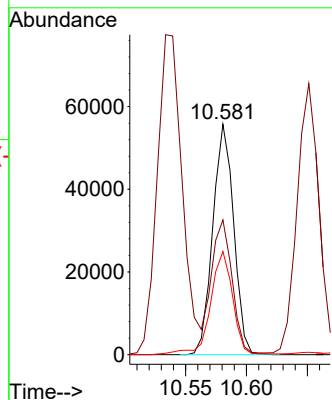
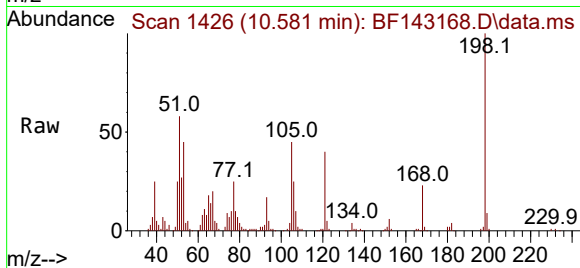




#65
4,6-Dinitro-2-methylphenol
Concen: 37.382 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.005 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

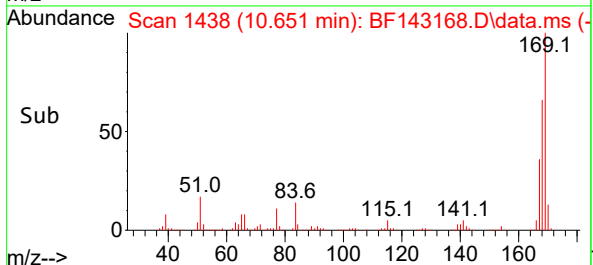
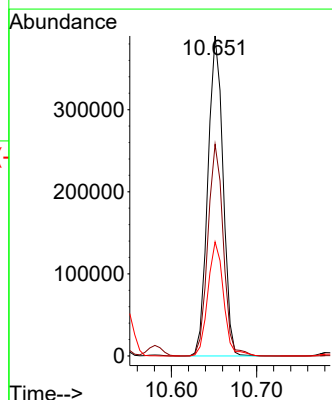
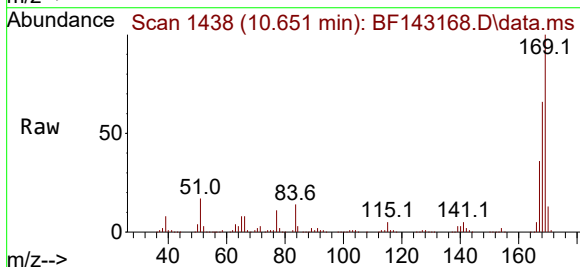
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

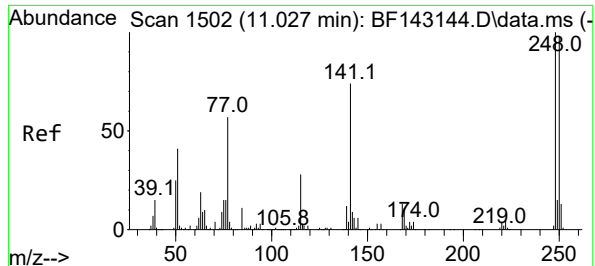
Tgt Ion:198 Resp: 66513
Ion Ratio Lower Upper
198 100
51 58.5 37.2 77.2
105 44.8 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.797 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:169 Resp: 481048
Ion Ratio Lower Upper
169 100
168 66.2 52.1 78.1
167 35.7 28.2 42.2

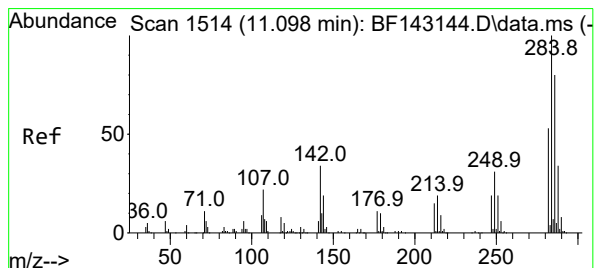
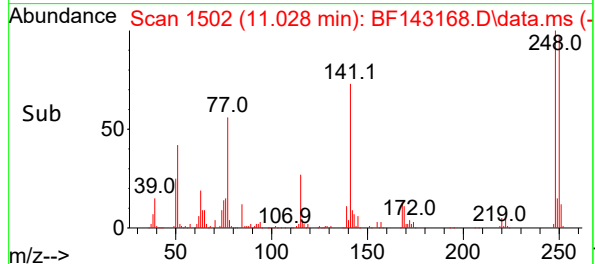
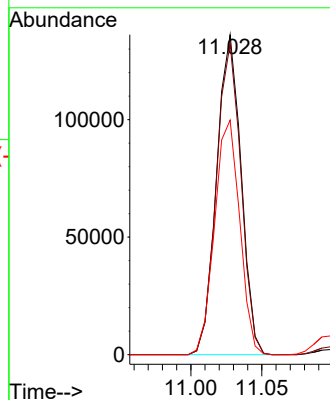
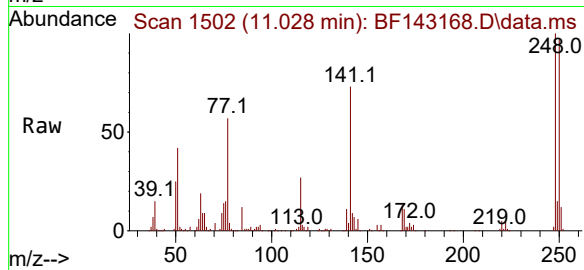




#67
4-Bromophenyl-phenylether
Concen: 38.987 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

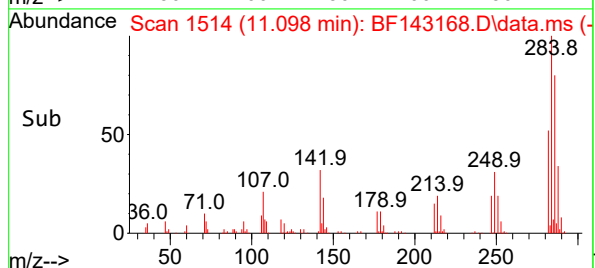
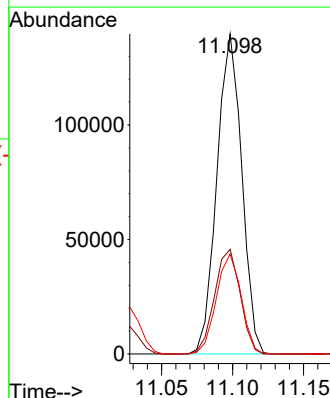
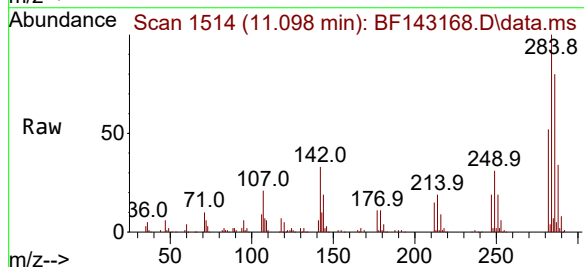
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

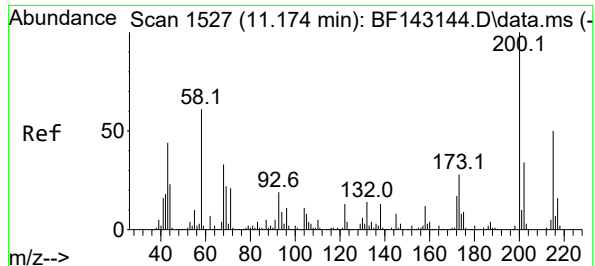
Tgt Ion:248 Resp: 163603
Ion Ratio Lower Upper
248 100
250 97.2 78.3 117.5
141 73.3 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.746 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:284 Resp: 169940
Ion Ratio Lower Upper
284 100
142 32.7 27.0 40.6
249 31.3 25.0 37.6





#69

Atrazine

Concen: 40.453 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

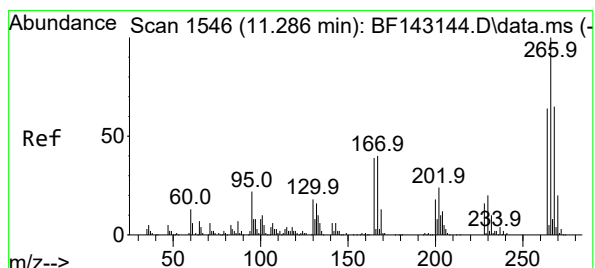
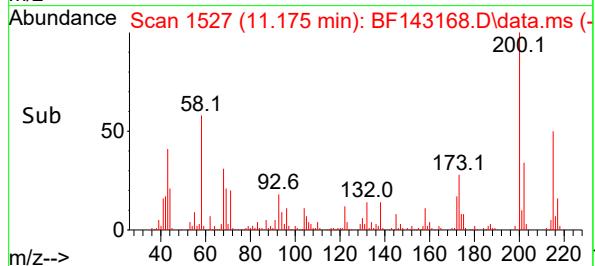
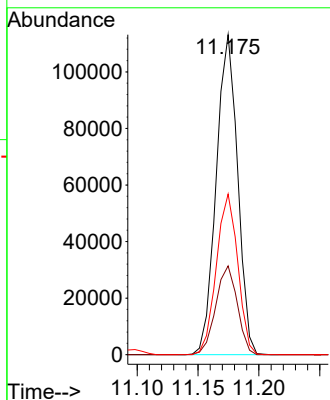
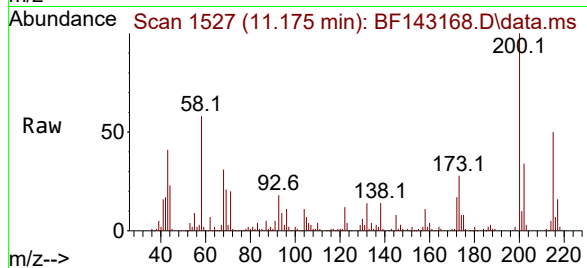
Tgt Ion:200 Resp: 138282

Ion Ratio Lower Upper

200 100

173 27.7 7.9 47.9

215 50.2 30.1 70.1



#70

Pentachlorophenol

Concen: 40.335 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

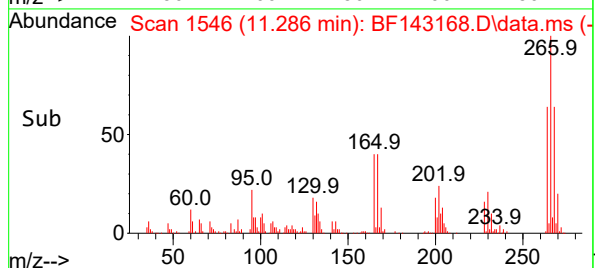
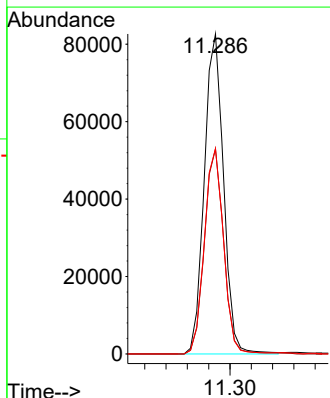
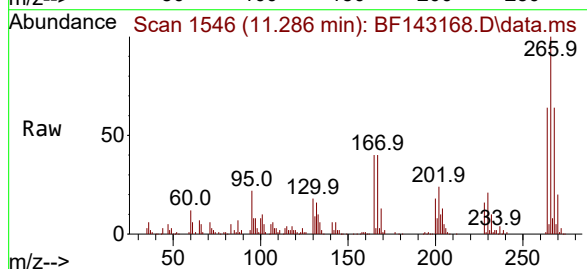
Tgt Ion:266 Resp: 104038

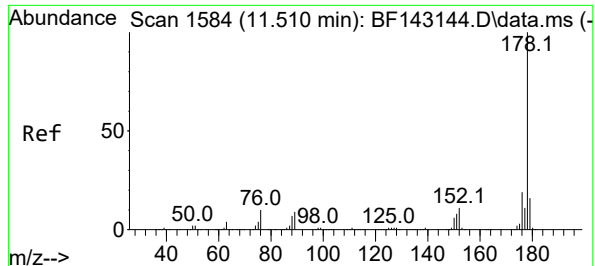
Ion Ratio Lower Upper

266 100

268 64.1 51.9 77.9

264 64.2 51.0 76.6





#71

Phenanthrene

Concen: 39.253 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

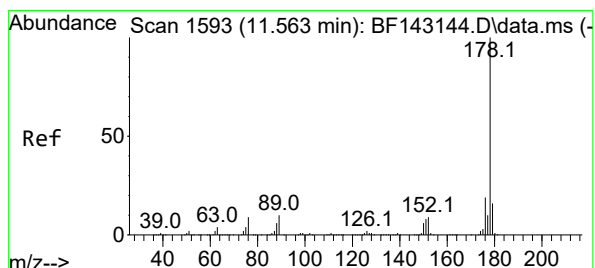
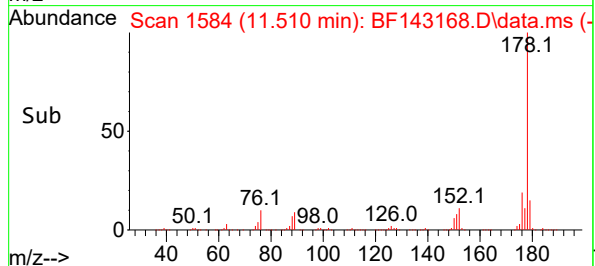
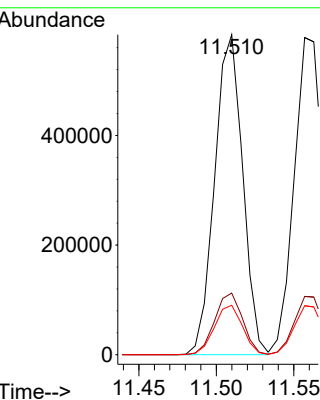
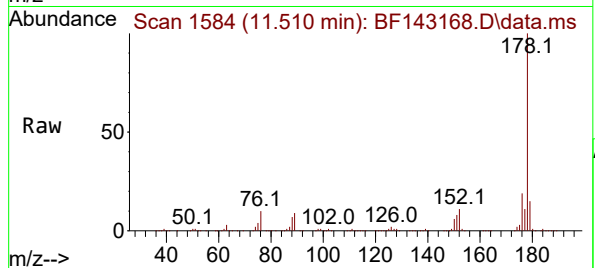
Tgt Ion:178 Resp: 733886

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 39.516 ng

RT: 11.557 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

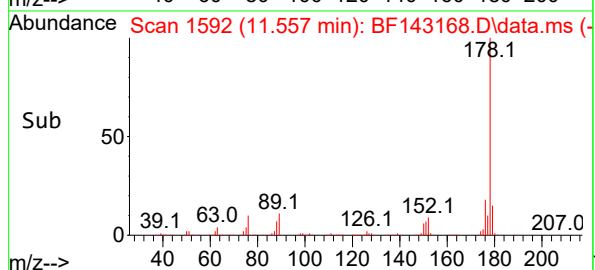
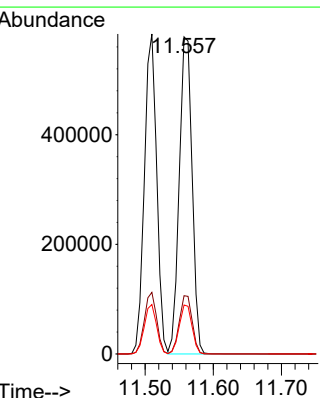
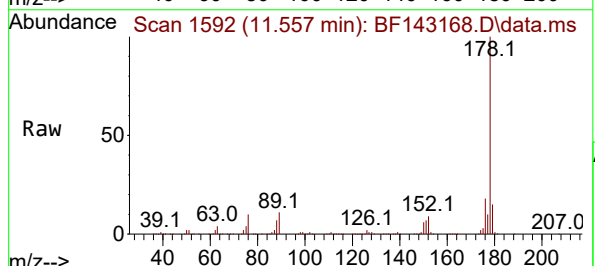
Tgt Ion:178 Resp: 753506

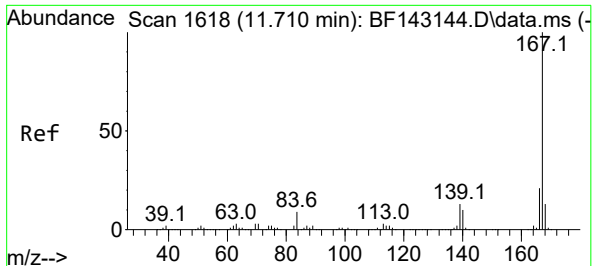
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

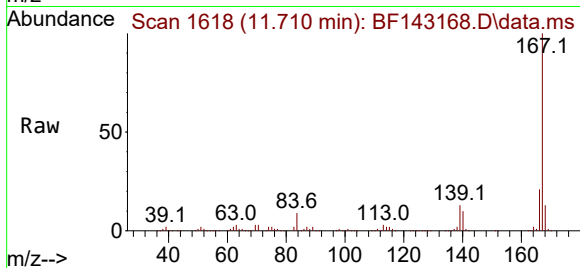
179 15.5 12.5 18.7



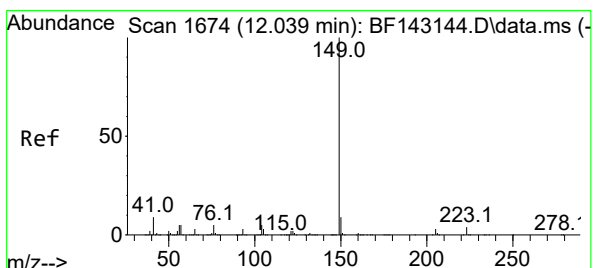
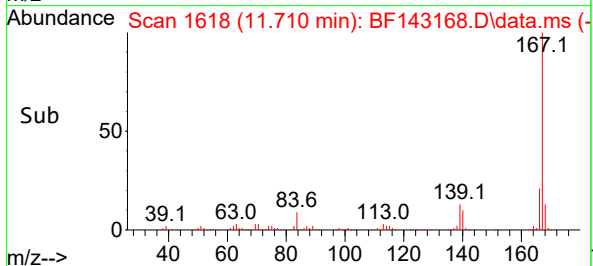
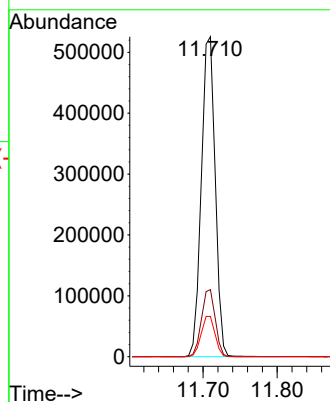


#73
 Carbazole
 Concen: 40.981 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143168.D
 Acq: 21 Jul 2025 13:26

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

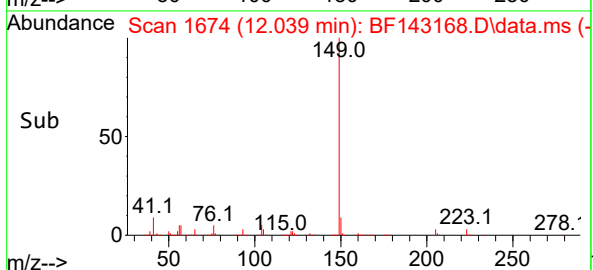
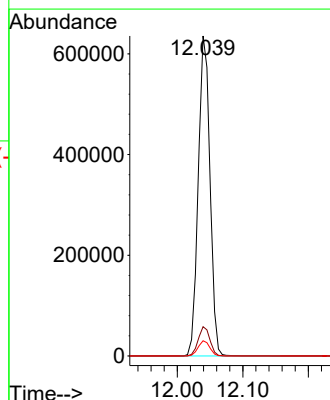
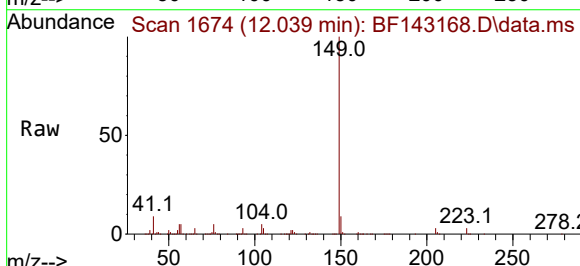


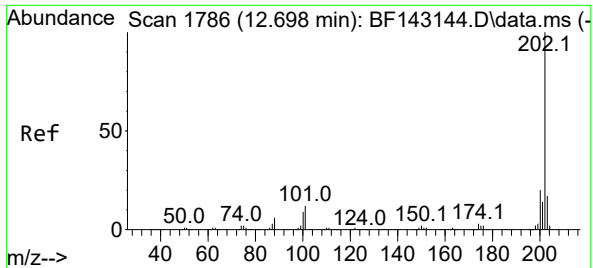
Tgt Ion:167 Resp: 682345
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.6
 139 12.6 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 42.003 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143168.D
 Acq: 21 Jul 2025 13:26

Tgt Ion:149 Resp: 791333
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.8 3.8 5.8

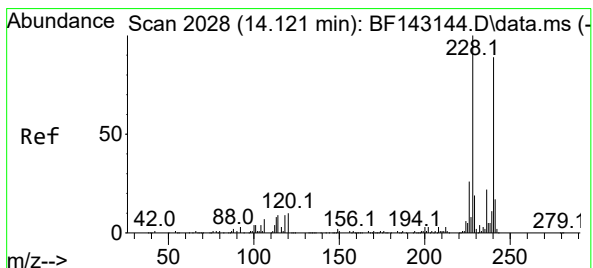
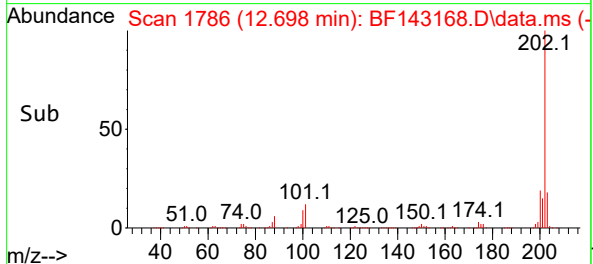
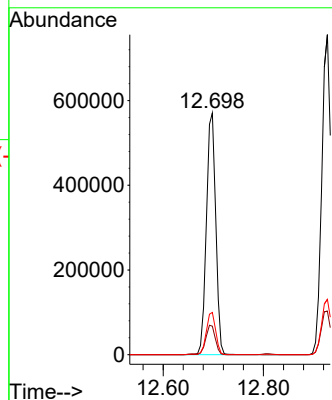
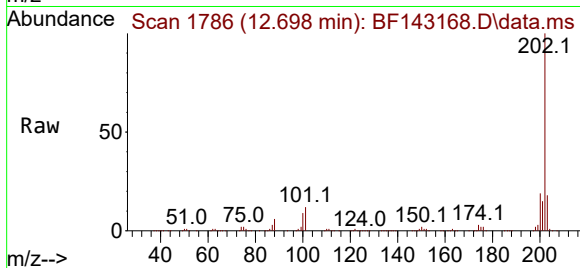




#75
Fluoranthene
Concen: 43.170 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

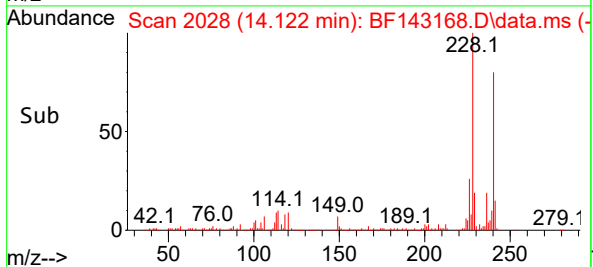
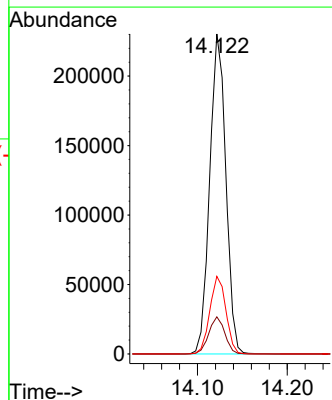
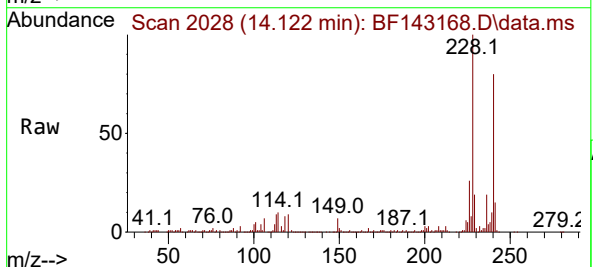
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

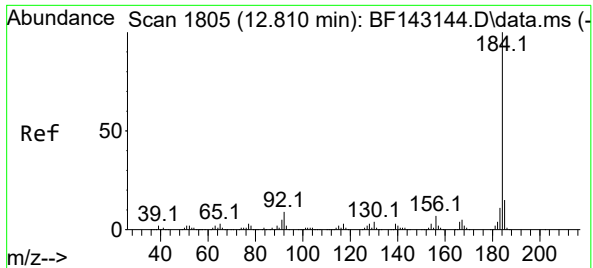
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.2
236	24.2	20.2	30.4

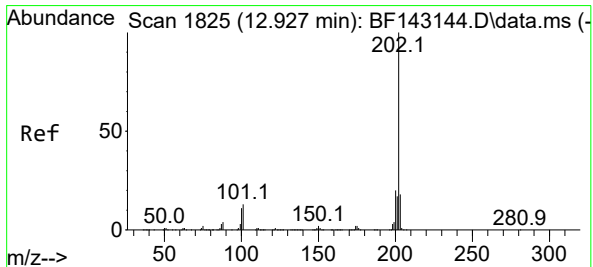
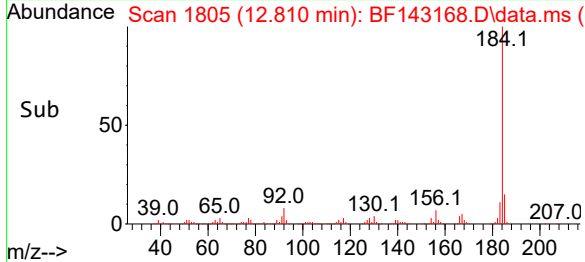
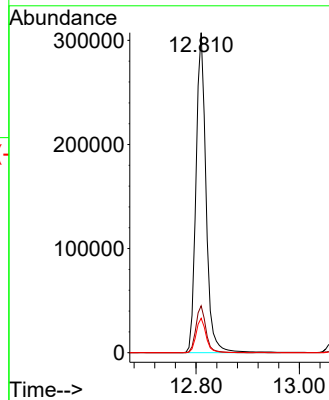
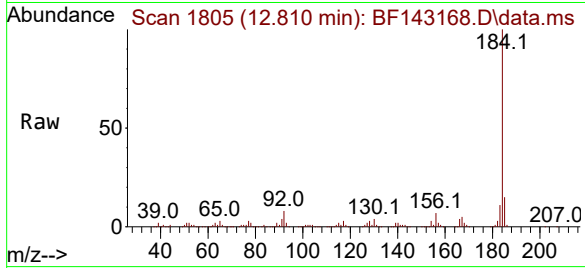




#77
Benzidine
Concen: 37.355 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

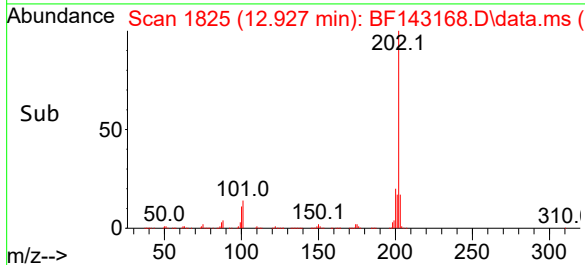
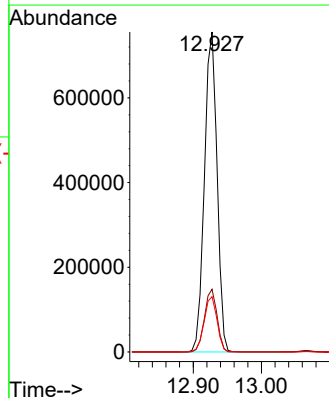
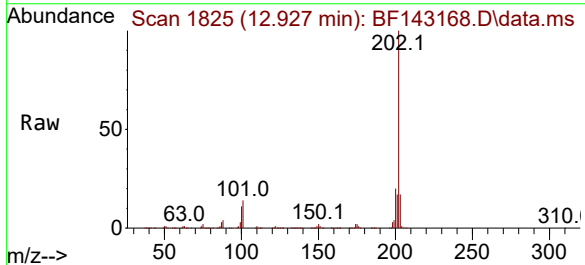
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

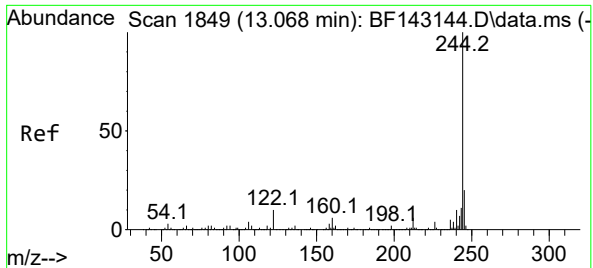
Tgt Ion:184 Resp: 413383
Ion Ratio Lower Upper
184 100
185 14.7 12.2 18.4
183 10.8 9.0 13.4



#78
Pyrene
Concen: 39.721 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:202 Resp: 973730
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 65.693 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

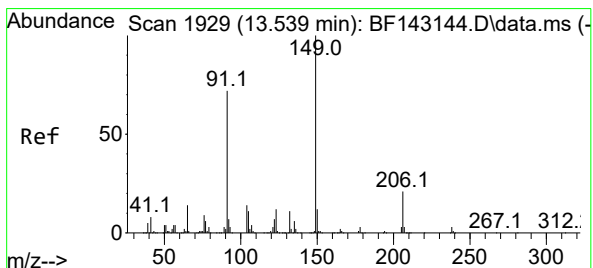
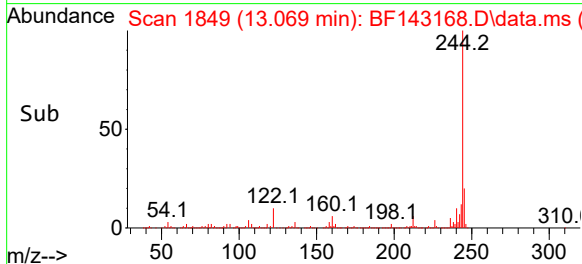
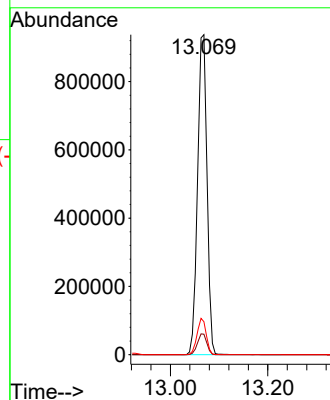
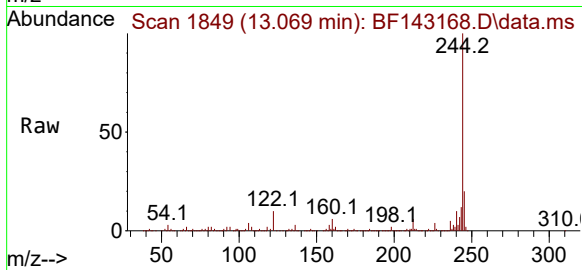
Tgt Ion:244 Resp: 1268018

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 40.190 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

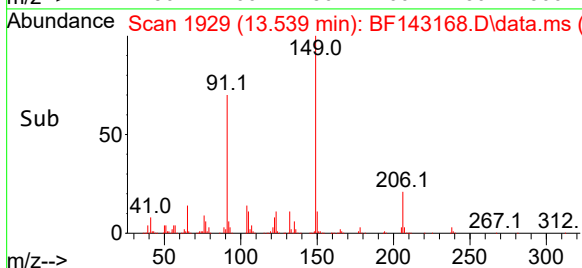
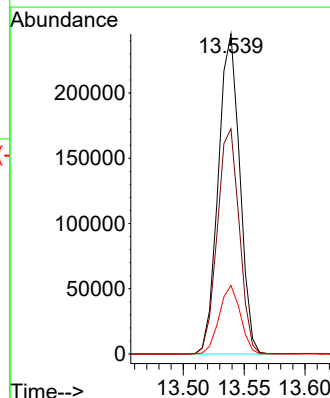
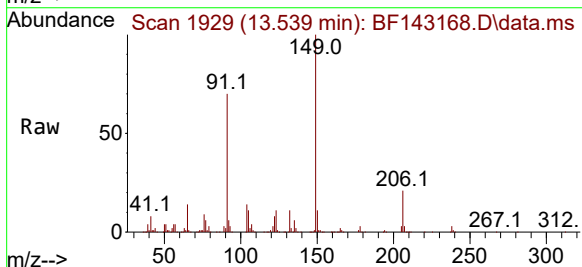
Tgt Ion:149 Resp: 301689

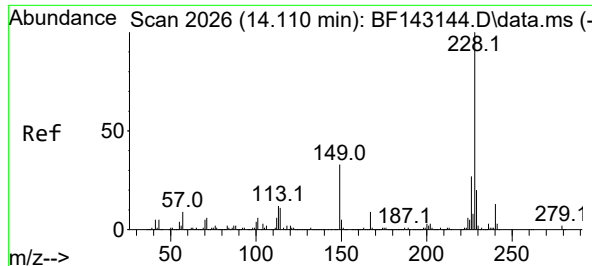
Ion Ratio Lower Upper

149 100

91 70.3 57.9 86.9

206 21.4 17.0 25.4





#81

Benzo(a)anthracene

Concen: 38.119 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

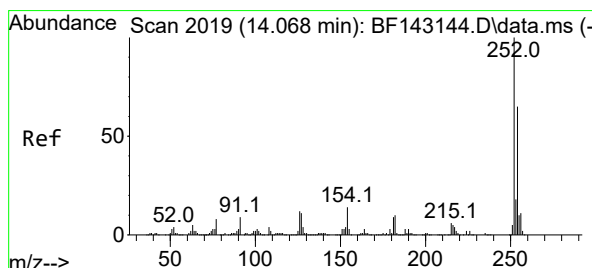
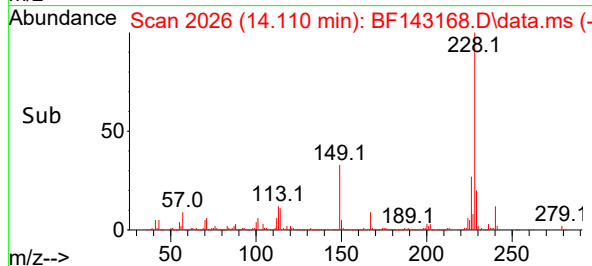
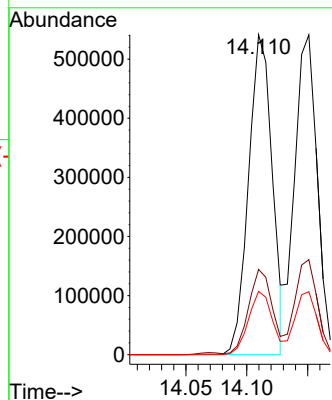
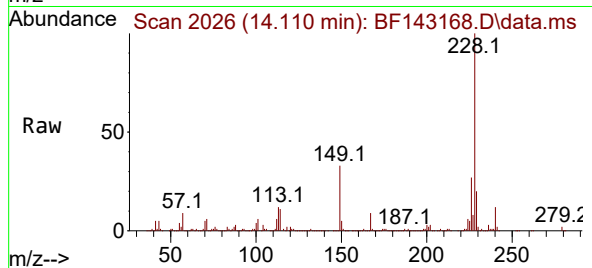
Tgt Ion:228 Resp: 733039

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

229 19.8 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 40.887 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

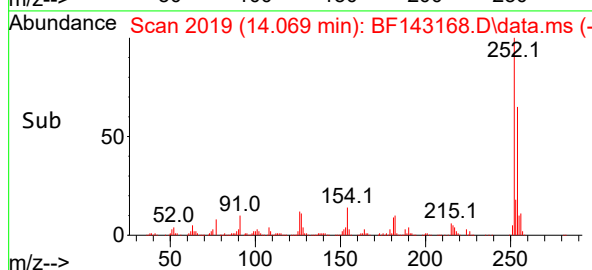
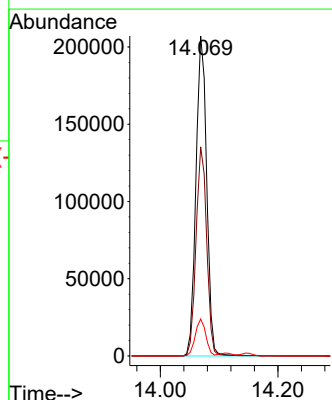
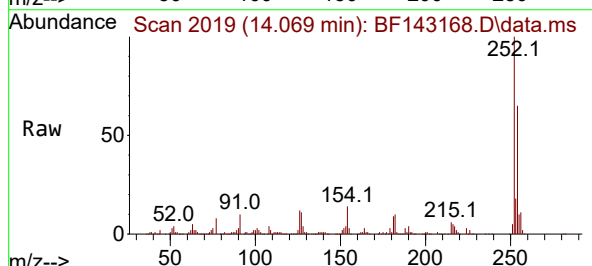
Tgt Ion:252 Resp: 262058

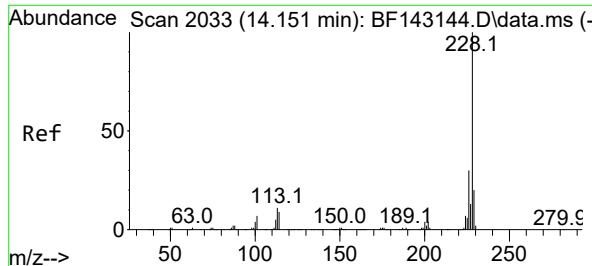
Ion Ratio Lower Upper

252 100

254 65.4 51.7 77.5

126 11.6 9.4 14.0





#83

Chrysene

Concen: 40.458 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

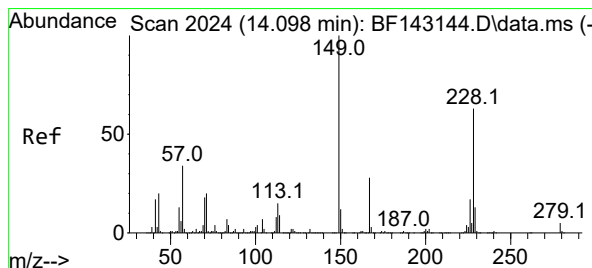
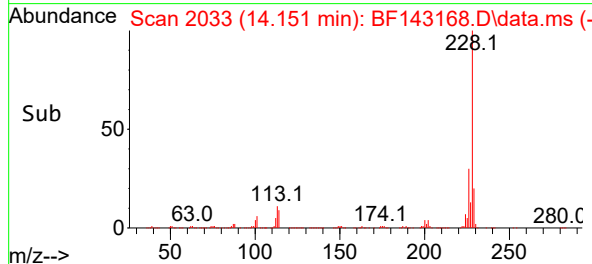
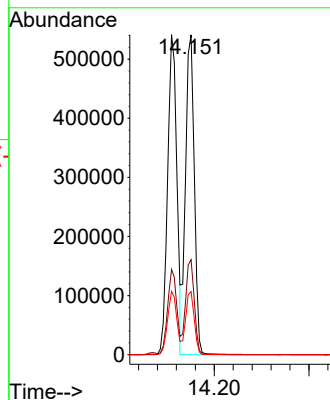
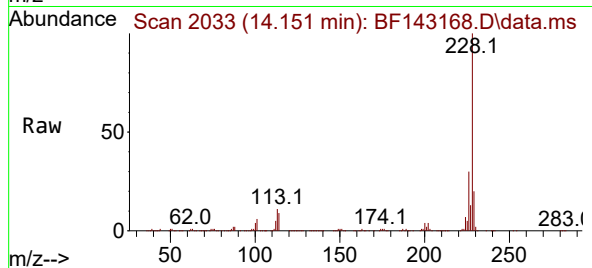
Tgt Ion:228 Resp: 699518

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.939 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

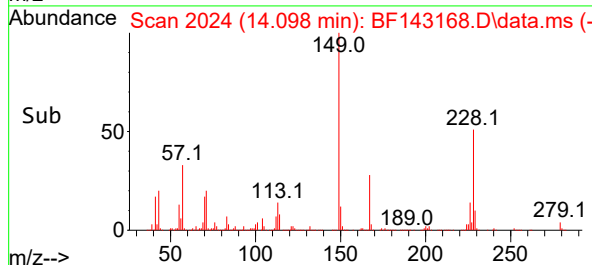
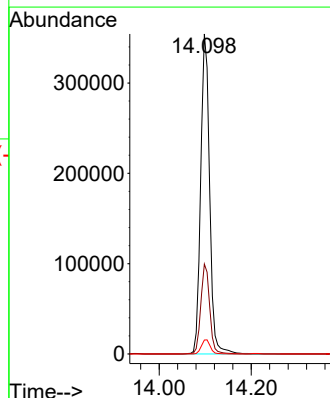
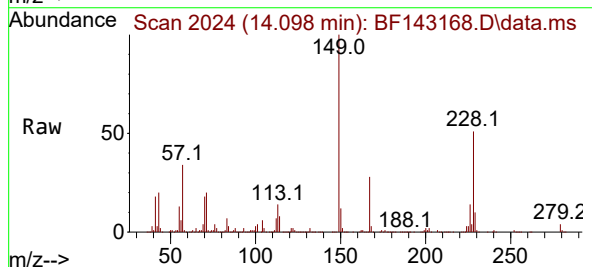
Tgt Ion:149 Resp: 476503

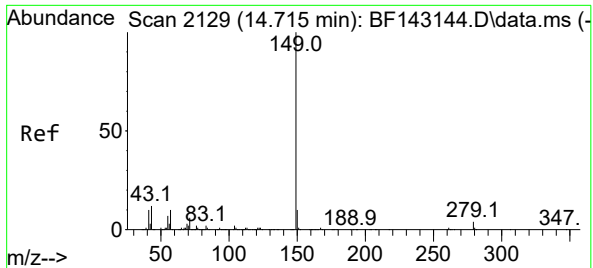
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.4 3.6 5.4

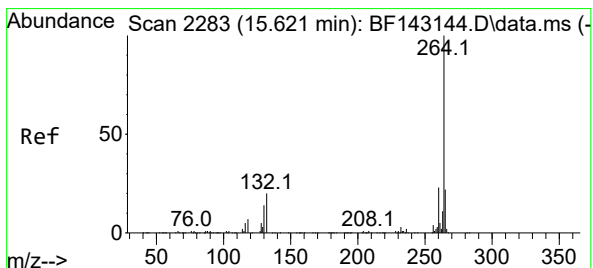
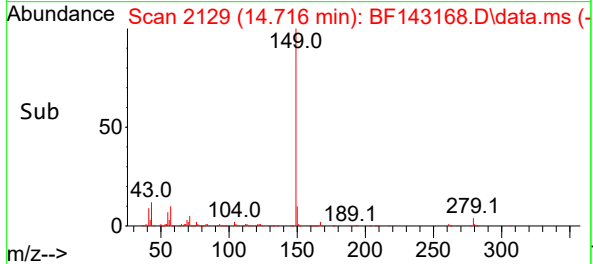
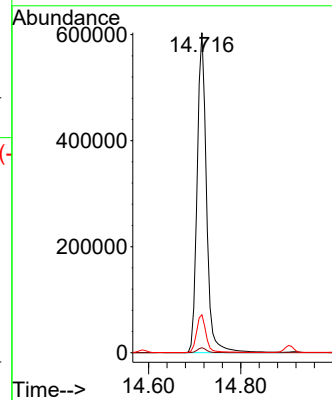
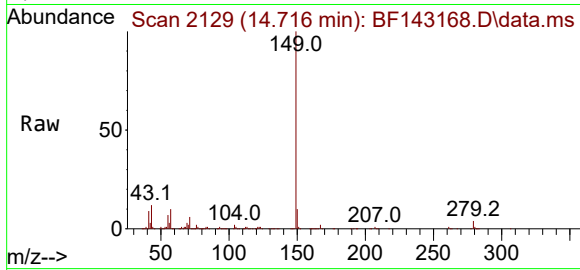




#85
Di-n-octyl phthalate
Concen: 41.256 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

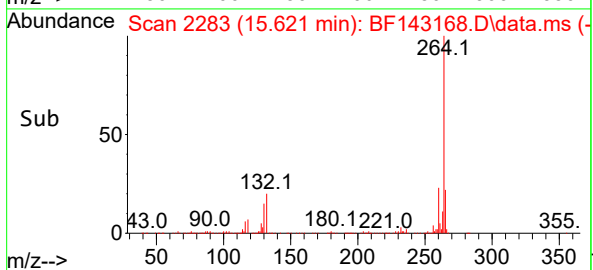
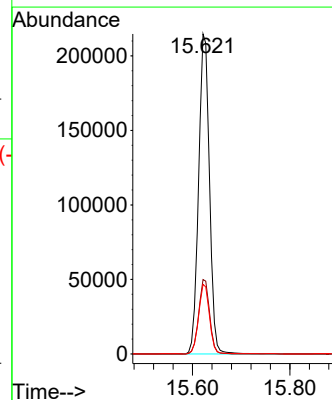
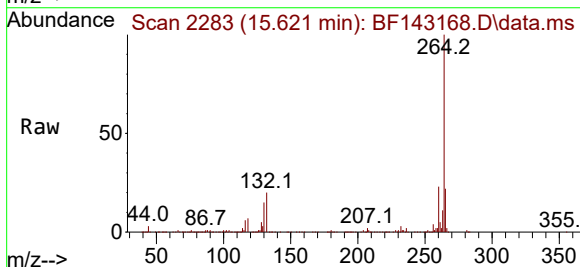
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

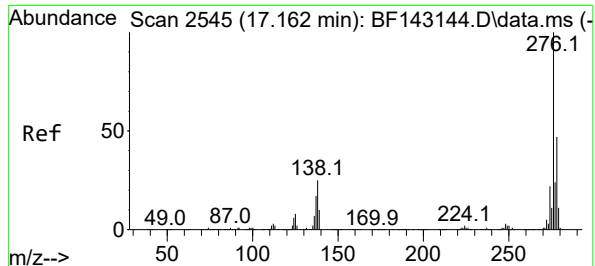
Tgt Ion:149 Resp: 849672
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 12.1 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143168.D
Acq: 21 Jul 2025 13:26

Tgt Ion:264 Resp: 333940
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.449 ng

RT: 17.163 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

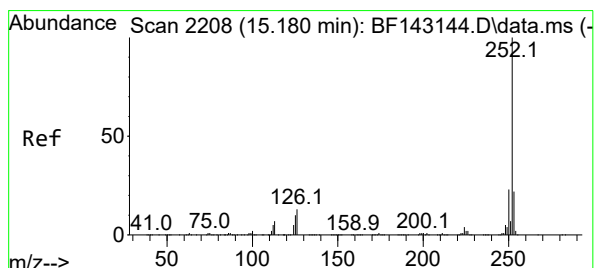
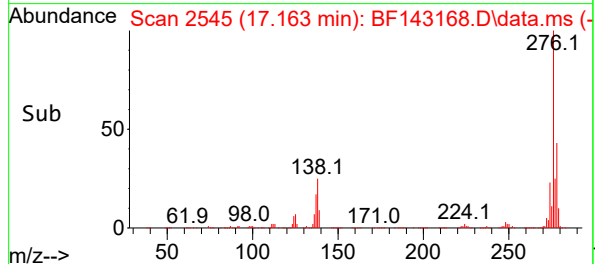
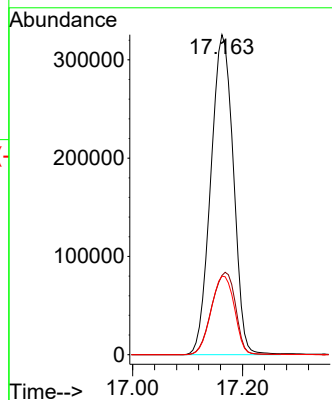
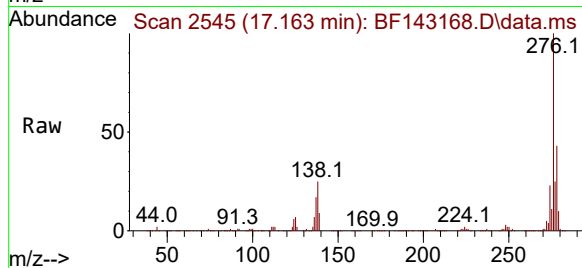
Tgt Ion:276 Resp: 928926

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

277 25.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.462 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

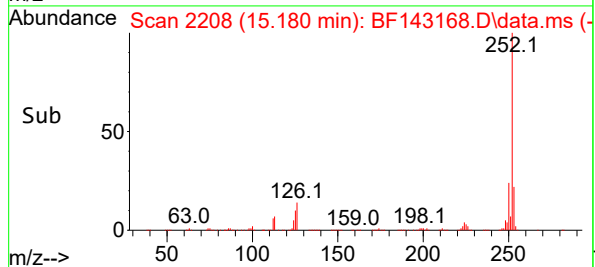
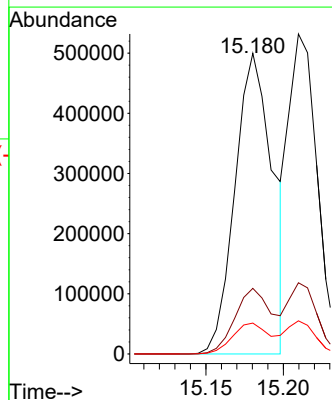
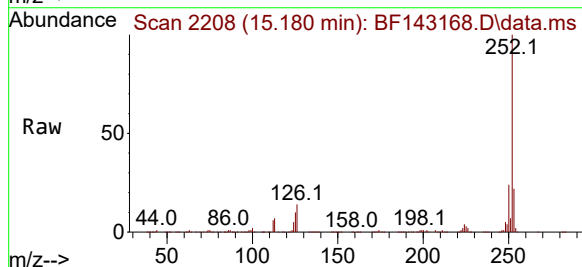
Tgt Ion:252 Resp: 845849

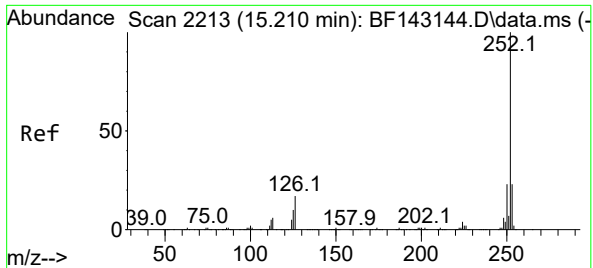
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 37.544 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

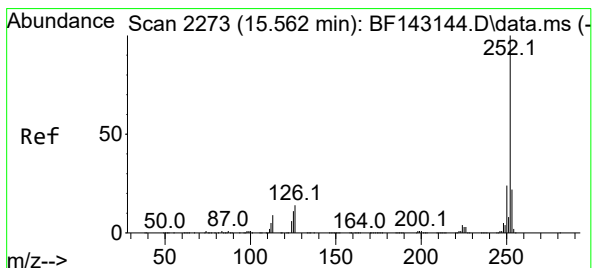
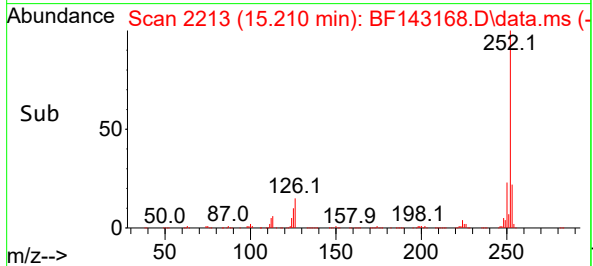
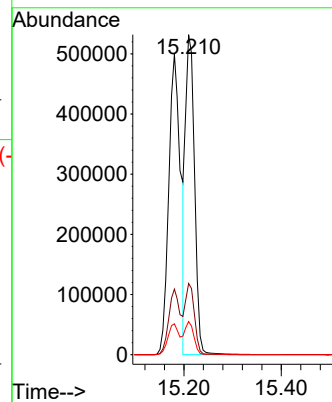
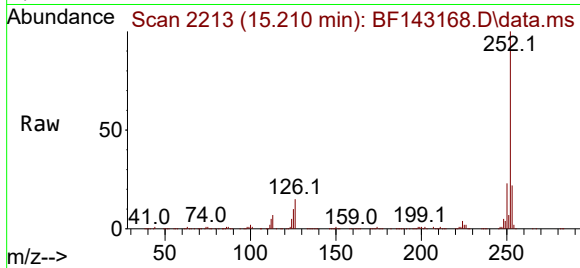
Tgt Ion:252 Resp: 683472

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.4 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.764 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

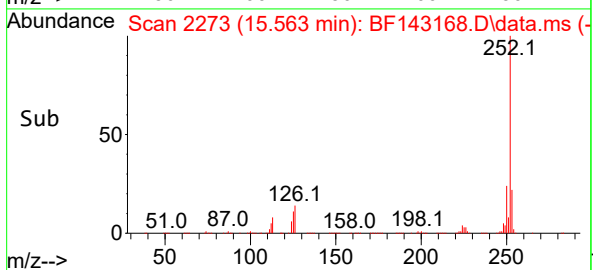
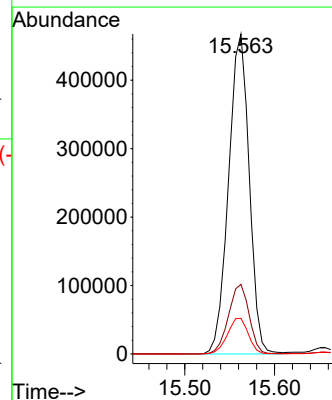
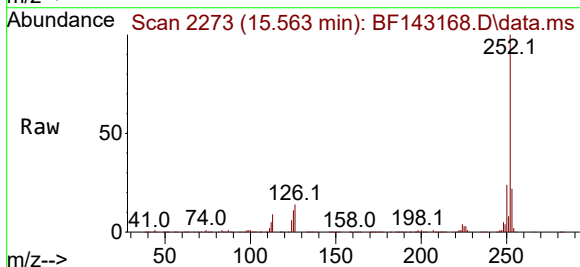
Tgt Ion:252 Resp: 747409

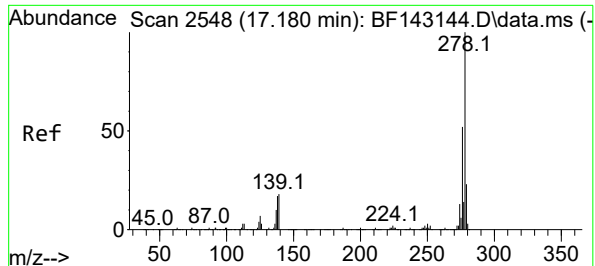
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 39.827 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

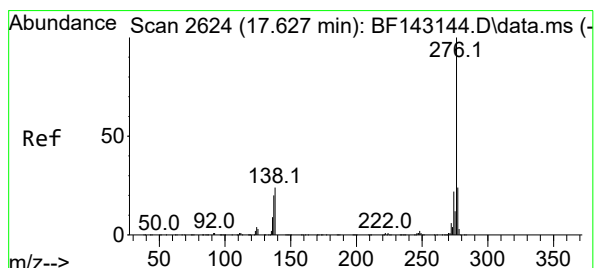
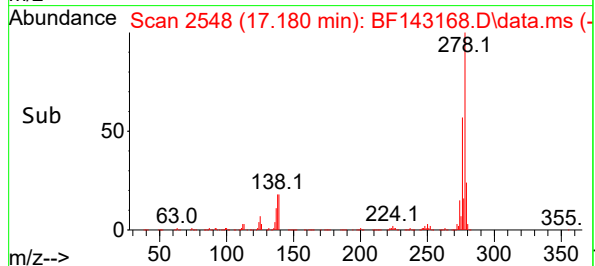
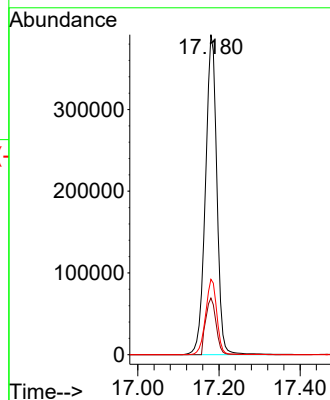
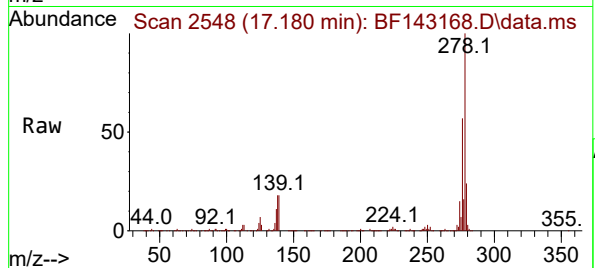
Tgt Ion:278 Resp: 763328

Ion Ratio Lower Upper

278 100

139 17.7 14.1 21.1

279 23.5 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 40.284 ng

RT: 17.633 min Scan# 2625

Delta R.T. 0.006 min

Lab File: BF143168.D

Acq: 21 Jul 2025 13:26

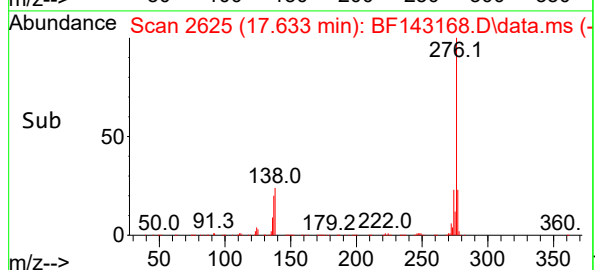
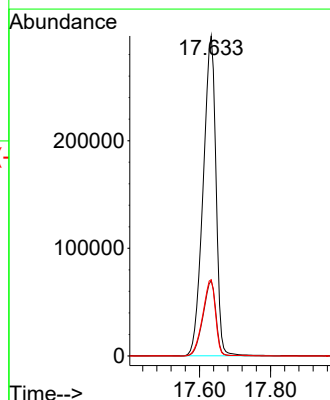
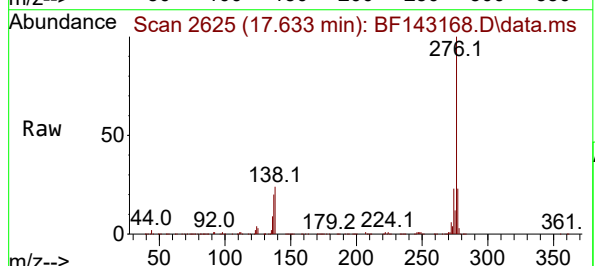
Tgt Ion:276 Resp: 746866

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 23.9 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF07125\
Data File : BF143168.D
Acq On : 21 Jul 2025 13:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 21 13:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev Area	% Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77 0.00
2	1,4-Dioxane	0.598	0.607	-1.5	78 -0.03
3	Pyridine	1.552	1.537	1.0	78 -0.02
4	n-Nitrosodimethylamine	0.801	0.799	0.2	76 -0.02
5 S	2-Fluorophenol	1.264	1.271	-0.6	80 0.00
6	Aniline	2.217	2.140	3.5	75 0.00
7 S	Phenol-d6	1.591	1.552	2.5	77 0.00
8	2-Chlorophenol	1.325	1.303	1.7	77 0.00
9	Benzaldehyde	1.193	1.295	-8.5	69 0.00
10 C	Phenol	1.733	1.769	-2.1	80 0.00
11	bis(2-Chloroethyl)ether	1.327	1.287	3.0	76 0.00
12	1,3-Dichlorobenzene	1.439	1.421	1.3	79 0.00
13 C	1,4-Dichlorobenzene	1.449	1.427	1.5	78 0.00
14	1,2-Dichlorobenzene	1.378	1.359	2.0	78 0.00
15	Benzyl Alcohol	1.215	1.164	4.2	74 0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.354	4.3	75 0.00
17	2-Methylphenol	1.114	1.064	4.5	75 0.00
18	Hexachloroethane	0.502	0.500	0.4	78 0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.920	9.9	72 0.00
20	3,4-Methylphenols	1.351	1.320	2.3	76 0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	73 0.00
22	Acetophenone	0.474	0.469	1.1	76 0.00
23 S	Nitrobenzene-d5	0.401	0.432	-7.7	80 0.00
24	Nitrobenzene	0.374	0.377	-0.8	74 0.00
25	Isophorone	0.708	0.663	6.4	70 0.00
26 C	2-Nitrophenol	0.162	0.168	-3.7	72 0.00
27	2,4-Dimethylphenol	0.331	0.318	3.9	72 0.00
28	bis(2-Chloroethoxy)methane	0.425	0.407	4.2	72 0.00
29 C	2,4-Dichlorophenol	0.279	0.274	1.8	73 0.00
30	1,2,4-Trichlorobenzene	0.302	0.298	1.3	75 0.00
31	Naphthalene	0.985	0.964	2.1	74 0.00
32	Benzoic acid	0.169	0.168	0.6	69 -0.02
33	4-Chloroaniline	0.402	0.385	4.2	73 0.00
34 C	Hexachlorobutadiene	0.184	0.184	0.0	75 0.00
35	Caprolactam	0.084	0.079	6.0	67 -0.01
36 C	4-Chloro-3-methylphenol	0.303	0.286	5.6	70 0.00
37	2-Methylnaphthalene	0.599	0.575	4.0	73 0.00
38	1-Methylnaphthalene	0.617	0.590	4.4	72 0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	68 0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.589	-2.1	72 0.00
41 P	Hexachlorocyclopentadiene	0.376	0.384	-2.1	70 0.00
42 S	2,4,6-Tribromophenol	0.207	0.201	2.9	65 0.00
43 C	2,4,6-Trichlorophenol	0.400	0.390	2.5	69 0.00
44	2,4,5-Trichlorophenol	0.400	0.411	-2.7	69 0.00
45 S	2-Fluorobiphenyl	1.462	1.535	-5.0	77 0.00
46	1,1'-Biphenyl	1.560	1.575	-1.0	72 0.00
47	2-Chloronaphthalene	1.135	1.170	-1.3	72 0.00
48	2-Nitroaniline	0.362	0.368	-1.7	66 0.00
49	Acenaphthylene	1.935	1.922	0.7	70 0.00
50	Dimethylphthalate	1.304	1.261	3.3	67 0.00
51	2,6-Dinitrotoluene	0.265	0.266	-0.4	65 0.00
52 C	Acenaphthene	1.144	1.124	1.7	69 0.00
53	3-Nitroaniline	0.310	0.307	1.0	66 0.00
54 P	2,4-Dinitrophenol	0.098	0.101	-3.1	66 0.00
55	Dibenzofuran	1.698	1.636	3.7	68 0.00
56 P	4-Nitrophenol	0.232	0.228	1.7	63 0.00
57	2,4-Dinitrotoluene	0.333	0.327	1.8	62 0.00
58	Fluorene	1.274	1.200	5.8	67 0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.321	3.0	65 0.00
60	Diethylphthalate	1.289	1.218	5.5	65 0.00
61	4-Chlorophenyl-phenylether	0.635	0.608	4.3	67 0.00
62	4-Nitroaniline	0.266	0.266	0.0	64 0.00
63	Azobenzene	1.343	1.285	4.3	66 0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	65 0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.094	0.0	63 0.00
66 c	n-Nitrosodiphenylamine	0.704	0.683	3.0	66 0.00
67	4-Bromophenyl-phenylether	0.238	0.232	2.5	66 0.00
68	Hexachlorobenzene	0.249	0.241	3.2	65 0.00
69	Atrazine	0.194	0.196	-1.0	65 0.00
70 C	Pentachlorophenol	0.147	0.148	-0.7	65 0.00
71	Phenanthrene	1.062	1.042	1.9	66 0.00
72	Anthracene	1.083	1.070	1.2	67 0.00
73	Carbazole	0.946	0.969	-2.4	68 0.00
74	Di-n-butylphthalate	1.070	1.124	-5.0	68 0.00
75 C	Fluoranthene	0.575	1.052	-7.9	72 0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97 0.00
77	Benzidine	0.771	0.720	6.6	73 0.00
78	Pyrene	1.707	1.695	0.7	96 0.00
79 S	Terphenyl-d14	1.344	1.104	17.9	82 0.00
80	Butylbenzylphthalate	0.523	0.525	-0.4	94 0.00
81	Benzo(a)anthracene	1.339	1.276	4.7	96 0.00
82	3,3'-Dichlorobenzidine	0.446	0.456	-2.2	103 0.00
83	Chrysene	1.204	1.218	-1.2	98 0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.829	-4.8	102 0.00
85 c	Di-n-octyl phthalate	1.434	1.479	-3.1	104 0.00
86 I	Perylene-d12	1.000	1.000	0.0	103 0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.391	1.3	102 0.00
88	Benzo(b)fluoranthene	1.222	1.266	-3.6	114 0.00
89	Benzo(k)fluoranthene	1.090	1.023	6.1	93 0.00
90 C	Benzo(a)pyrene	1.126	1.119	0.6	103 0.00
91	Dibenzo(a,h)anthracene	1.148	1.143	0.4	103 0.00
92	Benzo(g,h,i)perylene	1.110	1.118	-0.7	104 0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: BF143168.D

Instrument :
BNA_F
LabSampleID :
SSTDCCC040

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143168.D
Acq On : 21 Jul 2025 13:26
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 21 13:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound		Amount	Calc.	%Dev Area	% Dev(min)

1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	77 0.00
2	1,4-Dioxane	40.000	40.616	-1.5	78 -0.03
3	Pyridine	40.000	39.598	1.0	78 -0.02
4	n-Nitrosodimethylamine	40.000	39.881	0.3	76 -0.02
5 S	2-Fluorophenol	80.000	80.458	-0.6	80 0.00
6	Aniline	40.000	38.603	3.5	75 0.00
7 S	Phenol-d6	80.000	78.062	2.4	77 0.00
8	2-Chlorophenol	40.000	39.331	1.7	77 0.00
9	Benzaldehyde	40.000	43.434	-8.6	69 0.00
10 C	Phenol	40.000	40.835	-2.1	80 0.00
11	bis(2-Chloroethyl)ether	40.000	38.807	3.0	76 0.00
12	1,3-Dichlorobenzene	40.000	39.509	1.2	79 0.00
13 C	1,4-Dichlorobenzene	40.000	39.394	1.5	78 0.00
14	1,2-Dichlorobenzene	40.000	39.183	2.0	78 0.00
15	Benzyl Alcohol	40.000	38.347	4.1	74 0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.256	4.4	75 0.00
17	2-Methylphenol	40.000	38.211	4.5	75 0.00
18	Hexachloroethane	40.000	39.875	0.3	78 0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.052	9.9	72 0.00
20	3,4-Methylphenols	40.000	39.075	2.3	76 0.00

21 I	Naphthalene-d8	20.000	20.000	0.0	73 0.00
22	Acetophenone	40.000	39.581	1.0	76 0.00
23 S	Nitrobenzene-d5	80.000	86.125	-7.7	80 0.00
24	Nitrobenzene	40.000	40.286	-0.7	74 0.00
25	Isophorone	40.000	37.437	6.4	70 0.00
26 C	2-Nitrophenol	40.000	41.369	-3.4	72 0.00
27	2,4-Dimethylphenol	40.000	38.448	3.9	72 0.00
28	bis(2-Chloroethoxy)methane	40.000	38.338	4.2	72 0.00
29 C	2,4-Dichlorophenol	40.000	39.301	1.7	73 0.00
30	1,2,4-Trichlorobenzene	40.000	39.497	1.3	75 0.00
31	Naphthalene	40.000	39.153	2.1	74 0.00
32	Benzoic acid	40.000	37.408	6.5	69 -0.02
33	4-Chloroaniline	40.000	38.294	4.3	73 0.00
34 C	Hexachlorobutadiene	40.000	40.025	-0.1	75 0.00
35	Caprolactam	40.000	37.497	6.3	67 -0.01
36 C	4-Chloro-3-methylphenol	40.000	37.698	5.8	70 0.00
37	2-Methylnaphthalene	40.000	38.393	4.0	73 0.00
38	1-Methylnaphthalene	40.000	38.246	4.4	72 0.00

39 I	Acenaphthene-d10	20.000	20.000	0.0	68 0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.778	-1.9	72 0.00
41 P	Hexachlorocyclopentadiene	40.000	40.861	-2.2	70 0.00
42 S	2,4,6-Tribromophenol	80.000	77.809	2.7	65 0.00
43 C	2,4,6-Trichlorophenol	40.000	39.031	2.4	69 0.00
44	2,4,5-Trichlorophenol	40.000	41.120	-2.8	69 0.00
45 S	2-Fluorobiphenyl	80.000	83.990	-5.0	77 0.00
46	1,1'-Biphenyl	40.000	40.377	-0.9	72 0.00
47	2-Chloronaphthalene	40.000	40.548	-1.4	72 0.00
48	2-Nitroaniline	40.000	40.690	-1.7	66 0.00
49	Acenaphthylene	40.000	39.729	0.7	70 0.00
50	Dimethylphthalate	40.000	38.694	3.3	67 0.00
51	2,6-Dinitrotoluene	40.000	40.104	-0.3	65 0.00
52 C	Acenaphthene	40.000	39.307	1.7	69 0.00
53	3-Nitroaniline	40.000	39.575	1.1	66 0.00
54 P	2,4-Dinitrophenol	40.000	37.445	6.4	66 0.00
55	Dibenzofuran	40.000	38.531	3.7	68 0.00
56 P	4-Nitrophenol	40.000	39.397	1.5	63 0.00
57	2,4-Dinitrotoluene	40.000	39.271	1.8	62 0.00
58	Fluorene	40.000	37.663	5.8	67 0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.777	3.1	65 0.00
60	Diethylphthalate	40.000	37.818	5.5	65 0.00
61	4-Chlorophenyl-phenylether	40.000	38.358	4.1	67 0.00
62	4-Nitroaniline	40.000	39.990	0.0	64 0.00
63	Azobenzene	40.000	38.266	4.3	66 0.00

64 I	Phenanthrene-d10	20.000	20.000	0.0	65 0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.382	6.5	63 0.00
66 C	n-Nitrosodiphenylamine	40.000	38.797	3.0	66 0.00
67	4-Bromophenyl-phenylether	40.000	38.987	2.5	66 0.00
68	Hexachlorobenzene	40.000	38.746	3.1	65 0.00
69	Atrazine	40.000	40.453	-1.1	65 0.00
70 C	Pentachlorophenol	40.000	40.235	-0.8	65 0.00
71	Phenanthrene	40.000	39.253	1.9	66 0.00
72	Anthracene	40.000	39.516	1.2	67 0.00
73	Carbazole	40.000	40.981	-2.5	68 0.00
74	Di-n-butylphthalate	40.000	42.003	-5.0	68 0.00
75 C	Fluoranthene	40.000	43.170	-7.9	72 0.00

76 I	Chrysene-d12	20.000	20.000	0.0	97 0.00
77	Benzdine	40.000	37.355	6.6	73 0.00
78	Pyrene	40.000	39.721	0.7	96 0.00
79 S	Terphenyl-d14	80.000	65.693	17.9	82 0.00
80	Butylbenzylphthalate	40.000	40.190	-0.5	94 0.00
81	Benzo(a)anthracene	40.000	38.119	4.7	96 0.00
82	3,3'-Dichlorobenzidine	40.000	40.807	-2.2	103 0.00
83	Chrysene	40.000	40.458	-1.1	98 0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.939	-4.8	102 0.00
85 c	Di-n-octyl phthalate	40.000	41.256	-3.1	104 0.00

86 I	Perylene-d12	20.000	20.000	0.0	103 0.00
87	Indeno(1,2,3-cd)pyrene	40.000	39.449	1.4	102 0.00
88	Benzo(b)fluoranthene	40.000	41.462	-3.7	114 0.00
89	Benzo(k)fluoranthene	40.000	37.544	6.1	93 0.00
90 C	Benzo(a)pyrene	40.000	39.764	0.6	103 0.00
91	Dibenzo(a,h)anthracene	40.000	39.827	0.4	103 0.00
92	Benzo(g,h,i)perylene	40.000	40.284	-0.7	104 0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: BF143168.D

Instrument :
BNA_F
LabSampleId :
SSTDCCC040



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2651</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/22/2025 08:46</u>
Lab File ID:	<u>BF143177.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.232		-2.5	
Benzaldehyde	1.193	3.850		222.7	
Phenol-d6	1.591	1.553		-2.4	
Phenol	1.733	1.796		3.6	20.0
bis(2-Chloroethyl)ether	1.327	1.294		-2.5	
2-Chlorophenol	1.325	1.316		-0.7	
2-Methylphenol	1.114	1.106		-0.7	
2,2-oxybis(1-Chloropropane)	2.461	2.438		-0.9	
Acetophenone	0.474	0.452		-4.6	
3+4-Methylphenols	1.351	1.380		2.1	
n-Nitroso-di-n-propylamine	1.021	0.990	0.050	-3.0	
Nitrobenzene-d5	0.401	0.400		-0.2	
Hexachloroethane	0.502	0.506		0.8	
Nitrobenzene	0.374	0.373		-0.3	
Isophorone	0.708	0.698		-1.4	
2-Nitrophenol	0.162	0.172		6.2	20.0
2,4-Dimethylphenol	0.331	0.323		-2.4	
bis(2-Chloroethoxy)methane	0.425	0.411		-3.3	
2,4-Dichlorophenol	0.279	0.274		-1.8	20.0
Naphthalene	0.985	0.952		-3.3	
4-Chloroaniline	0.402	0.395		-1.7	
Hexachlorobutadiene	0.184	0.179		-2.7	20.0
Caprolactam	0.084	0.092		9.5	
4-Chloro-3-methylphenol	0.303	0.304		0.3	20.0
2-Methylnaphthalene	0.599	0.584		-2.5	
Hexachlorocyclopentadiene	0.376	0.365	0.050	-2.9	
2,4,6-Trichlorophenol	0.400	0.387		-3.3	20.0
2-Fluorobiphenyl	1.462	1.361		-6.9	
2,4,5-Trichlorophenol	0.400	0.396		-1.0	
1,1-Biphenyl	1.560	1.485		-4.8	
2-Chloronaphthalene	1.155	1.099		-4.8	
2-Nitroaniline	0.362	0.383		5.8	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.864		-3.7	
2,6-Dinitrotoluene	0.265	0.284		7.2	
3-Nitroaniline	0.310	0.318		2.6	
Acenaphthene	1.144	1.105		-3.4	20.0
2,4-Dinitrophenol	0.098	0.119	0.050	21.4	
4-Nitrophenol	0.232	0.237	0.050	2.2	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03
 Lab Code: ACE SDG No.: Q2651
 Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 08:46
 Lab File ID: BF143177.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.642		-3.3	
2,4-Dinitrotoluene	0.333	0.363		9.0	
Diethylphthalate	1.289	1.298		0.7	
4-Chlorophenyl-phenylether	0.635	0.619		-2.5	
Fluorene	1.274	1.229		-3.5	
4-Nitroaniline	0.266	0.279		4.9	
4,6-Dinitro-2-methylphenol	0.094	0.104		10.6	
n-Nitrosodiphenylamine	0.704	0.672		-4.5	20.0
2,4,6-Tribromophenol	0.207	0.215		3.9	
4-Bromophenyl-phenylether	0.238	0.226		-5.0	
Hexachlorobenzene	0.249	0.237		-4.8	
Atrazine	0.194	0.201		3.6	
Pentachlorophenol	0.147	0.152		3.4	20.0
Phenanthrene	1.062	1.023		-3.7	
Anthracene	1.083	1.044		-3.6	
Carbazole	0.946	0.940		-0.6	
Di-n-butylphthalate	1.070	1.127		5.3	
Fluoranthene	0.975	1.003		2.9	20.0
Pyrene	1.707	1.892		10.8	
Terphenyl-d14	1.344	1.450		7.9	
Butylbenzylphthalate	0.523	0.621		18.7	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo (a) anthracene	1.339	1.294		-3.4	
Chrysene	1.204	1.190		-1.2	
Bis(2-ethylhexyl)phthalate	0.791	0.824		4.2	
Di-n-octyl phthalate	1.434	1.363		-5.0	20.0
Benzo (b) fluoranthene	1.222	1.268		3.8	
Benzo (k) fluoranthene	1.090	0.989		-9.3	
Benzo (a) pyrene	1.126	1.116		-0.9	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.410		0.0	
Dibenzo (a,h) anthracene	1.148	1.153		0.4	
Benzo (g,h,i) perylene	1.110	1.136		2.3	
1,2,4,5-Tetrachlorobenzene	0.577	0.542		-6.1	
1,4-Dioxane	0.598	0.585		-2.2	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.340		2.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	137586	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	540273	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	287067	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	481775	20.000	ng	0.00
76) Chrysene-d12	14.127	240	251217	20.000	ng	0.00
86) Perylene-d12	15.633	264	256275	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	677807	77.959	ng	0.00
7) Phenol-d6	6.587	99	854417	78.075	ng	0.00
23) Nitrobenzene-d5	7.522	82	865138	79.820	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	246542	83.135	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1563287	74.477	ng	0.00
79) Terphenyl-d14	13.069	244	1456637	86.285	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.822	88	160989	39.132	ng	99
3) Pyridine	3.593	79	412780	38.657	ng	100
4) n-Nitrosodimethylamine	3.534	42	217539	39.459	ng	100
6) Aniline	6.628	93	597655	39.186	ng	99
8) 2-Chlorophenol	6.751	128	362170	39.740	ng	97
9) Benzaldehyde	6.522	77	1059534	129.116	ng	98
10) Phenol	6.598	94	494165	41.450	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	355973	38.997	ng	99
12) 1,3-Dichlorobenzene	6.910	146	386885	39.079	ng	98
13) 1,4-Dichlorobenzene	6.981	146	392969	39.415	ng	100
14) 1,2-Dichlorobenzene	7.134	146	374905	39.536	ng	99
15) Benzyl Alcohol	7.098	79	336956	40.325	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	670842	39.617	ng	99
17) 2-Methylphenol	7.210	107	304327	39.715	ng	99
18) Hexachloroethane	7.481	117	139222	40.337	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	272545	38.818	ng	98
20) 3+4-Methylphenols	7.363	107	379841	40.856	ng	# 84
22) Acetophenone	7.369	105	488181	38.166	ng	98
24) Nitrobenzene	7.545	77	403502	39.931	ng	100
25) Isophorone	7.781	82	753928	39.403	ng	100
26) 2-Nitrophenol	7.857	139	186034	42.420	ng	98
27) 2,4-Dimethylphenol	7.892	122	348982	39.039	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	444443	38.742	ng	100
29) 2,4-Dichlorophenol	8.098	162	296155	39.284	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	314359	38.597	ng	100
31) Naphthalene	8.269	128	1028678	38.661	ng	100
32) Benzoic acid	7.992	122	210097	42.399	ng	99
33) 4-Chloroaniline	8.310	127	426934	39.296	ng	100
34) Hexachlorobutadiene	8.392	225	193031	38.797	ng	98
35) Caprolactam	8.681	113	99092	43.497	ng	99
36) 4-Chloro-3-methylphenol	8.786	107	328015	40.031	ng	99
37) 2-Methylnaphthalene	8.957	142	630618	38.948	ng	99
38) 1-Methylnaphthalene	9.057	142	657714	39.448	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	311045	37.530	ng	99
41) Hexachlorocyclopentadiene	9.116	237	209543	38.857	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	222071	38.716	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

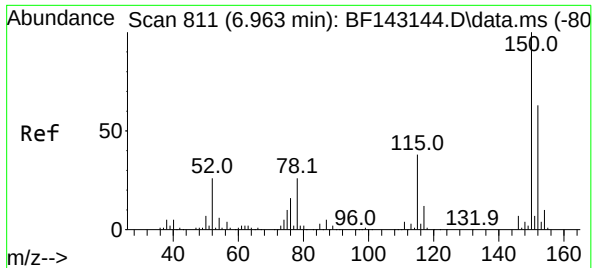
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	227262	39.609	ng	97
46) 1,1'-Biphenyl	9.422	154	852399	38.059	ng	100
47) 2-Chloronaphthalene	9.445	162	630848	38.067	ng	100
48) 2-Nitroaniline	9.533	65	219714	42.277	ng	98
49) Acenaphthylene	9.863	152	1070369	38.541	ng	100
50) Dimethylphthalate	9.716	163	739129	39.501	ng	99
51) 2,6-Dinitrotoluene	9.775	165	163183	42.869	ng	99
52) Acenaphthene	10.039	154	634518	38.656	ng	98
53) 3-Nitroaniline	9.945	138	182622	41.017	ng	99
54) 2,4-Dinitrophenol	10.045	184	68517	43.071	ng	74
55) Dibenzofuran	10.210	168	942628	38.679	ng	99
56) 4-Nitrophenol	10.092	139	136348	41.010	ng	99
57) 2,4-Dinitrotoluene	10.180	165	208497	43.658	ng	95
58) Fluorene	10.551	166	705686	38.582	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	195488	41.130	ng	100
60) Diethylphthalate	10.416	149	745293	40.297	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	355248	39.006	ng	98
62) 4-Nitroaniline	10.557	138	160383	42.030	ng	99
63) Azobenzene	10.698	77	770158	39.955	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	100286	40.643	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647888	38.190	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	217849	37.943	ng	98
68) Hexachlorobenzene	11.104	284	228054	38.002	ng	99
69) Atrazine	11.180	200	194126	41.506	ng	100
70) Pentachlorophenol	11.286	266	146798	41.596	ng	99
71) Phenanthrene	11.516	178	986033	38.546	ng	100
72) Anthracene	11.563	178	1006010	38.560	ng	100
73) Carbazole	11.710	167	905667	39.755	ng	99
74) Di-n-butylphthalate	12.045	149	1085481	42.111	ng	100
75) Fluoranthene	12.704	202	966154	41.148	ng	100
77) Benzidine	12.810	184	218195	22.544	ng	99
78) Pyrene	12.933	202	950663	44.341	ng	99
80) Butylbenzylphthalate	13.539	149	311792	47.491	ng	99
81) Benzo(a)anthracene	14.116	228	650070	38.651	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	215912	38.517	ng	100
83) Chrysene	14.151	228	597875	39.537	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	414006	41.663	ng	100
85) Di-n-octyl phthalate	14.715	149	684937	38.026	ng	100
87) Indeno(1,2,3-cd)pyrene	17.174	276	722484	39.981	ng	99
88) Benzo(b)fluoranthene	15.186	252	649846	41.508	ng	100
89) Benzo(k)fluoranthene	15.215	252	507153	36.301	ng	99
90) Benzo(a)pyrene	15.568	252	571955	39.651	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	590913	40.175	ng	100
92) Benzo(g,h,i)perylene	17.645	276	582117	40.914	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

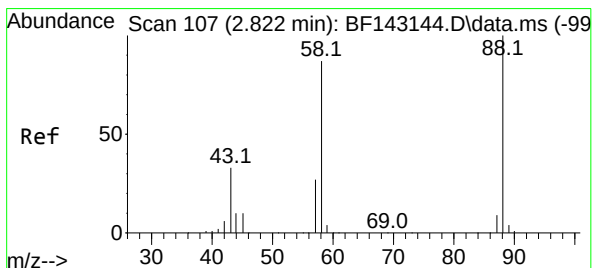
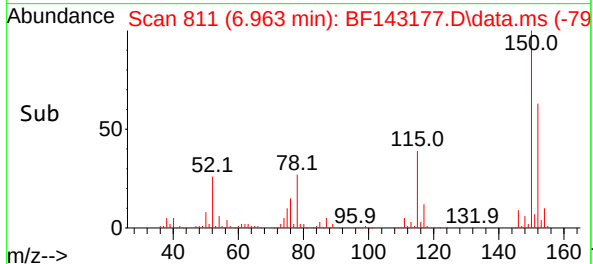
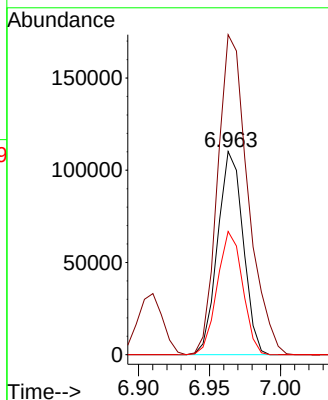
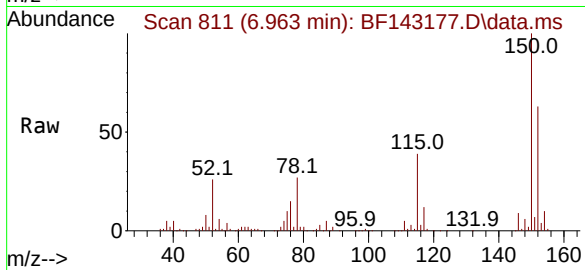
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

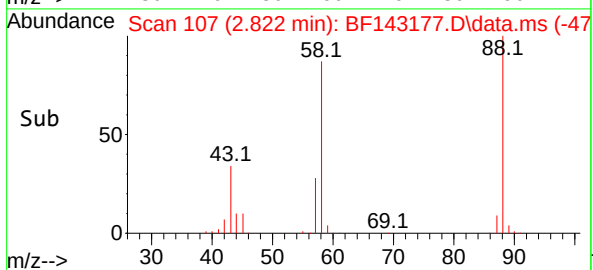
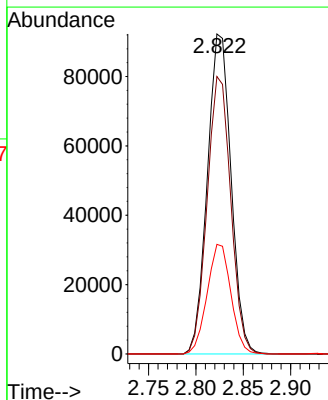
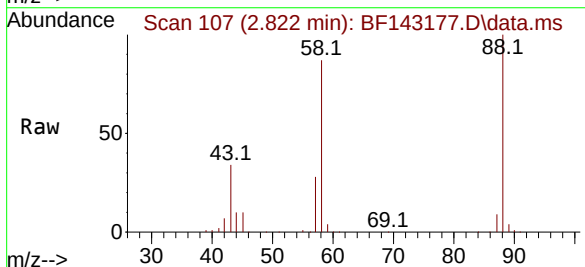
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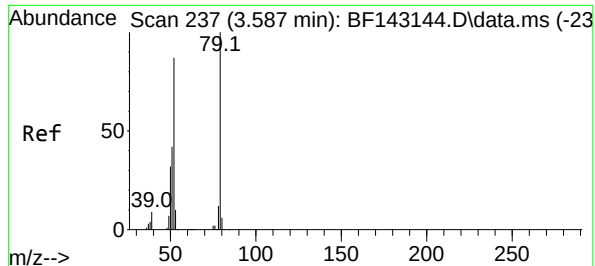
Tgt Ion:152 Resp: 137586
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.6 47.9 71.9



#2
1,4-Dioxane
Concen: 39.132 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 88 Resp: 160989
Ion Ratio Lower Upper
88 100
58 86.2 70.2 105.2
43 34.3 27.1 40.7

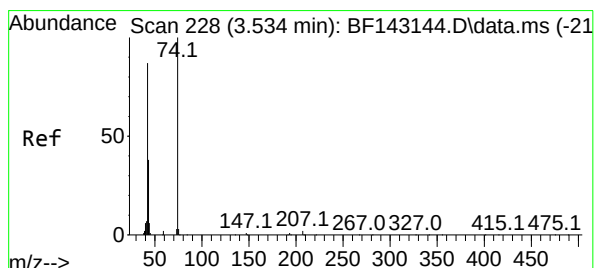
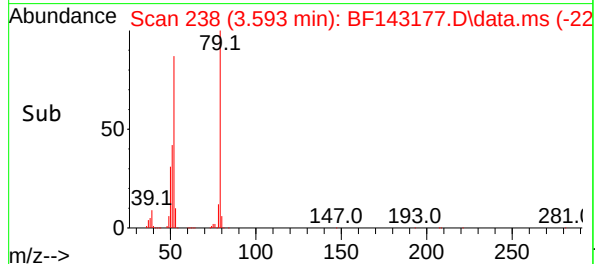
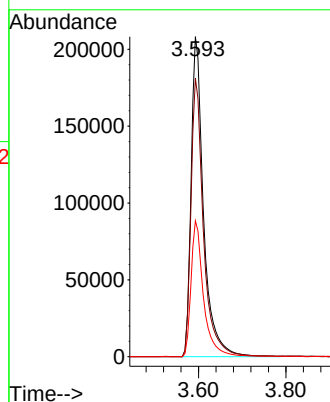
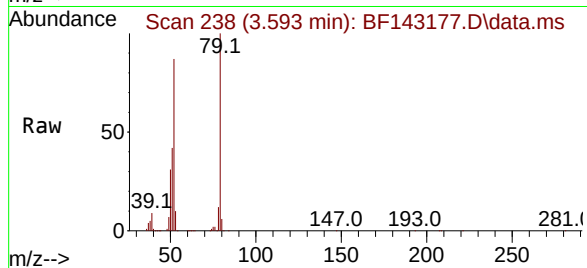




#3
Pyridine
Concen: 38.657 ng
RT: 3.593 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

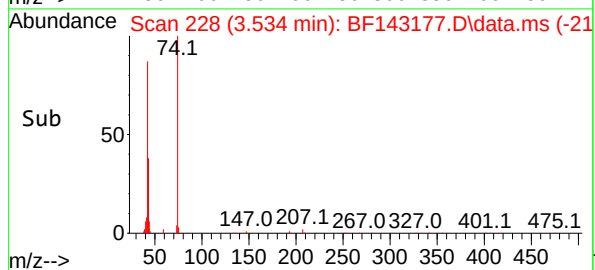
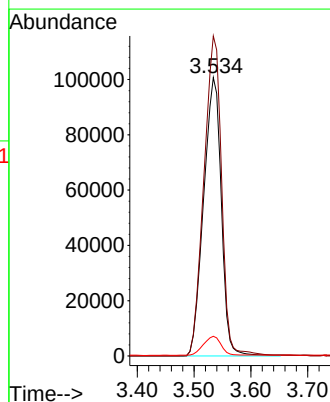
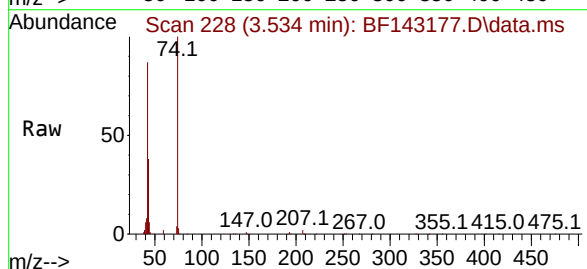
Instrument :
BNA_F
ClientSampleId :
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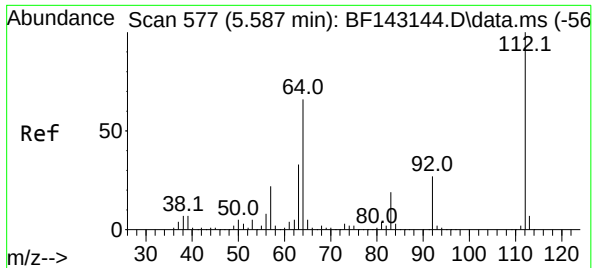
Tgt Ion: 79 Resp: 412780
Ion Ratio Lower Upper
79 100
52 87.0 69.4 104.2
51 42.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 39.459 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 42 Resp: 217539
Ion Ratio Lower Upper
42 100
74 115.0 91.7 137.5
44 7.1 5.6 8.4

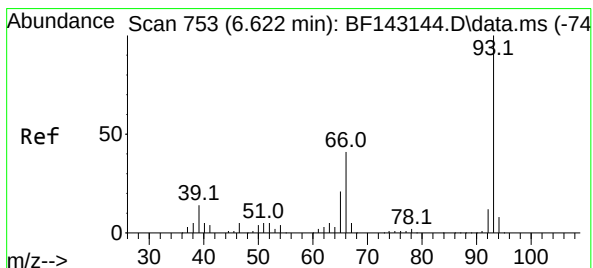
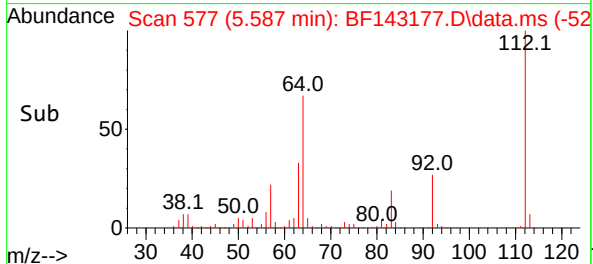
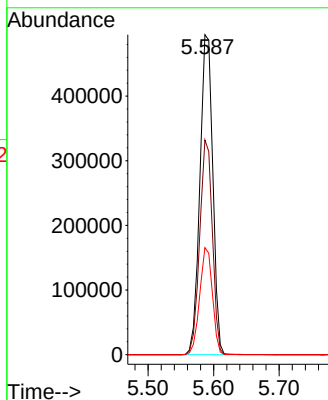
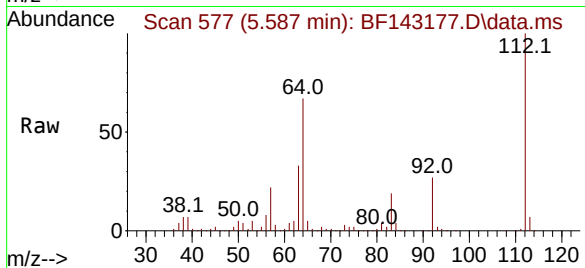




#5
2-Fluorophenol
Concen: 77.959 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

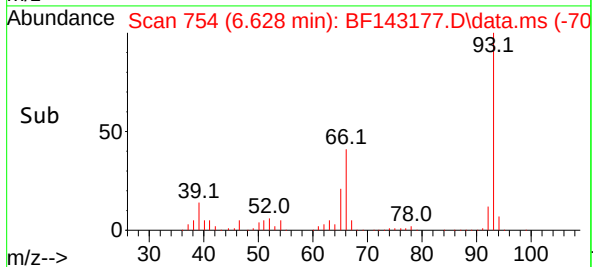
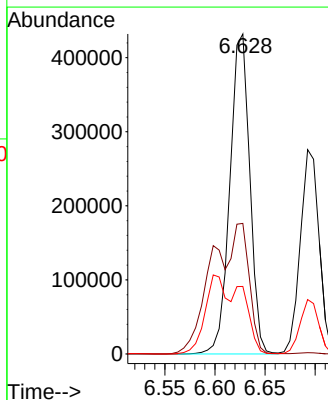
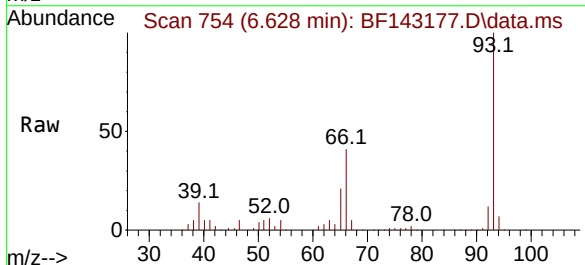
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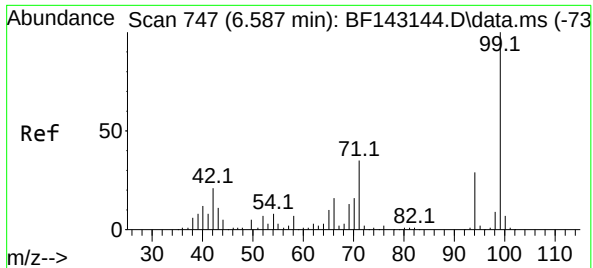
Tgt Ion:112 Resp: 677807
Ion Ratio Lower Upper
112 100
64 67.1 53.1 79.7
63 33.5 26.6 40.0



#6
Aniline
Concen: 39.186 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 93 Resp: 597655
Ion Ratio Lower Upper
93 100
66 40.8 33.2 49.8
65 21.1 16.9 25.3

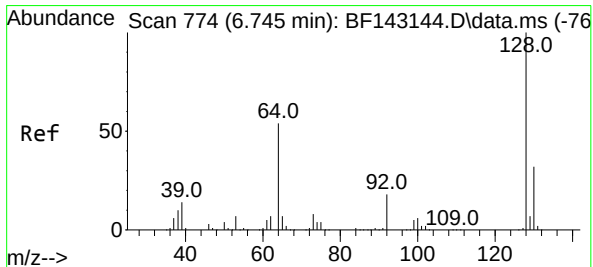
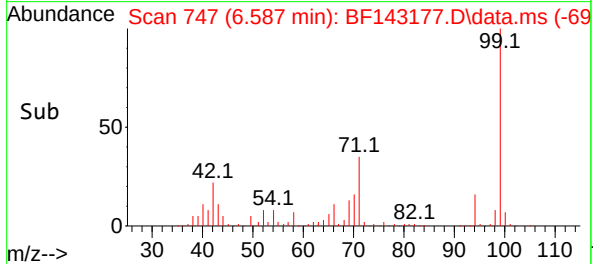
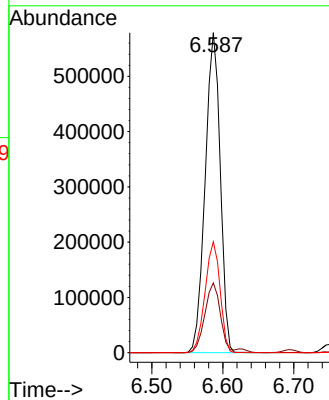
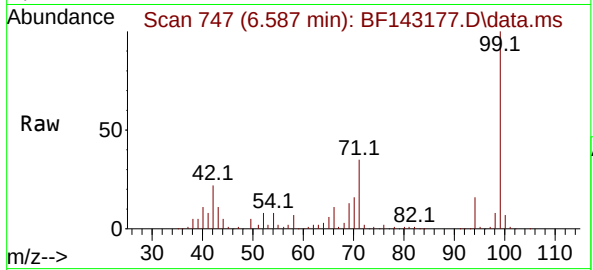




#7
Phenol-d6
Concen: 78.075 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

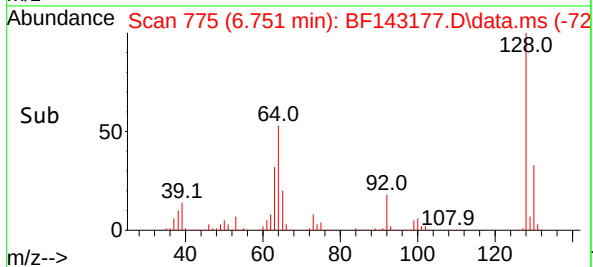
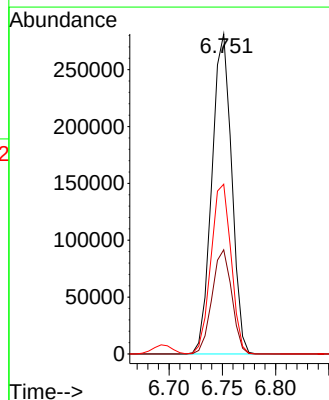
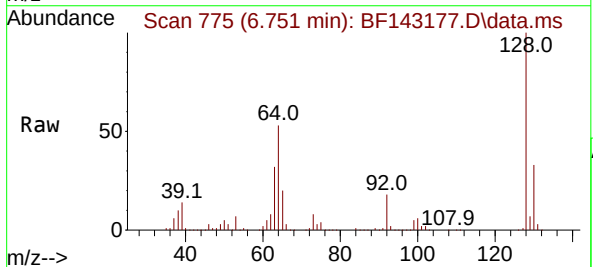
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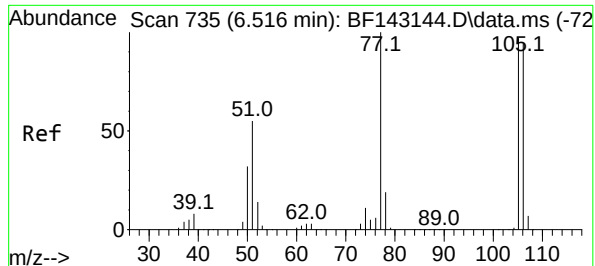
Tgt Ion: 99 Resp: 854417
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 34.7 27.7 41.5



#8
2-Chlorophenol
Concen: 39.740 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 128 Resp: 362170
Ion Ratio Lower Upper
128 100
130 32.6 12.3 52.3
64 53.1 35.9 75.9





#9

Benzaldehyde

Concen: 129.116 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

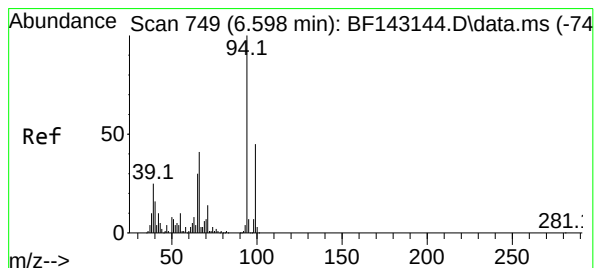
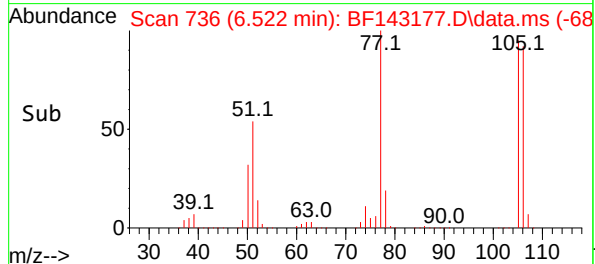
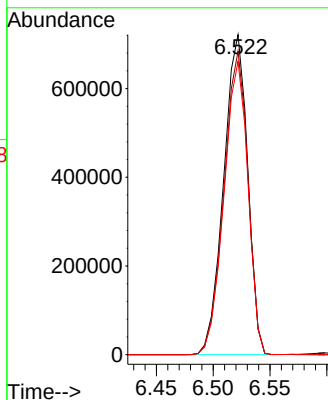
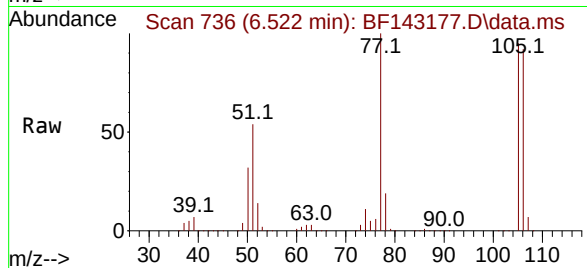
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 1059534

Ion	Ratio	Lower	Upper
77	100		
105	94.8	76.8	116.8
106	91.6	74.4	114.4



#10

Phenol

Concen: 41.450 ng

RT: 6.598 min Scan# 749

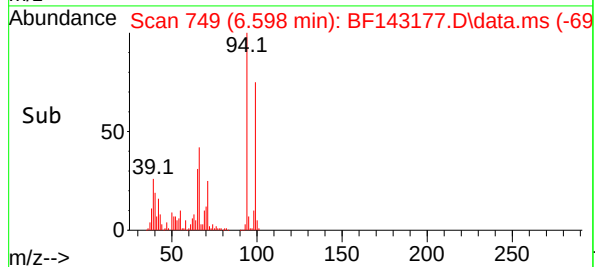
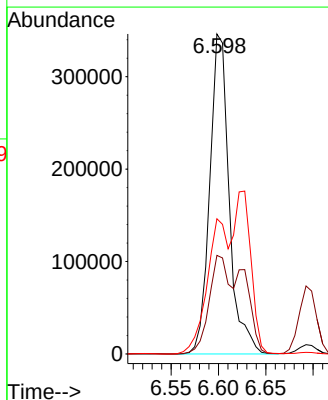
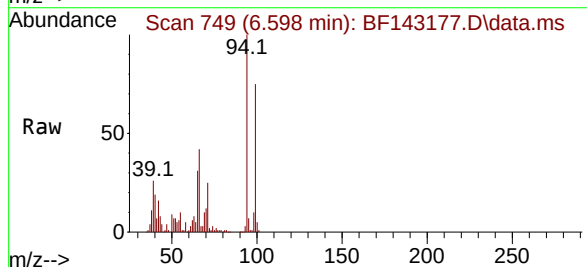
Delta R.T. 0.000 min

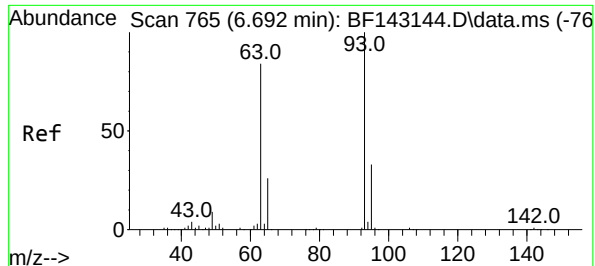
Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion: 94 Resp: 494165

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.0	50.0
66	42.3	20.8	60.8





#11

bis(2-Chloroethyl)ether

Concen: 38.997 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

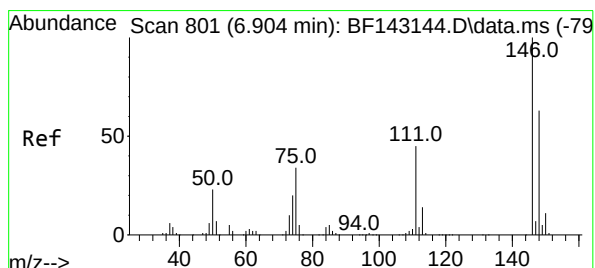
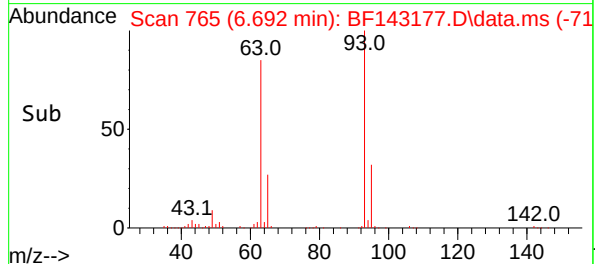
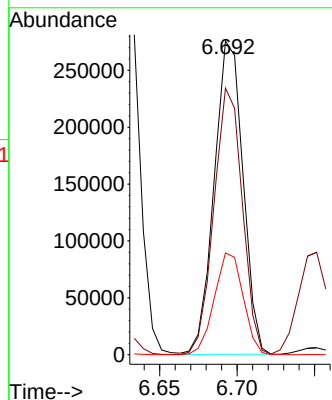
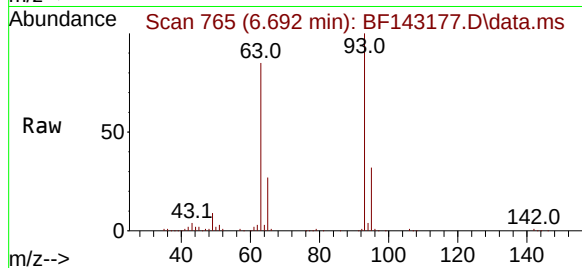
Tgt Ion: 93 Resp: 355973

Ion Ratio Lower Upper

93 100

63 84.9 63.4 103.4

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 39.079 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

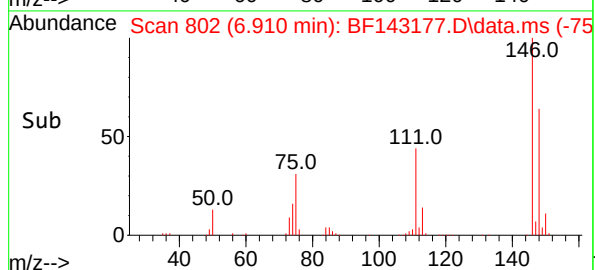
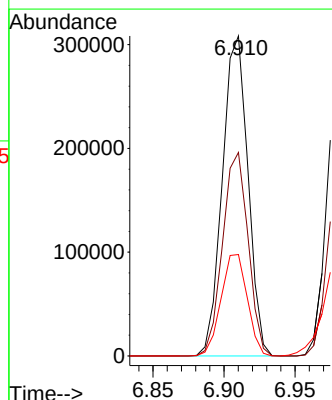
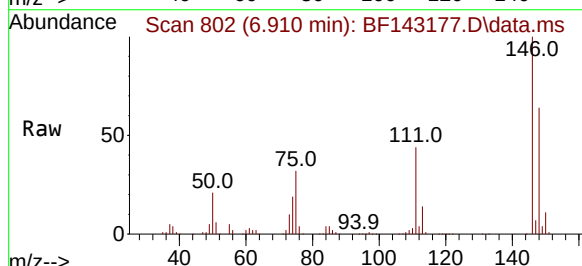
Tgt Ion:146 Resp: 386885

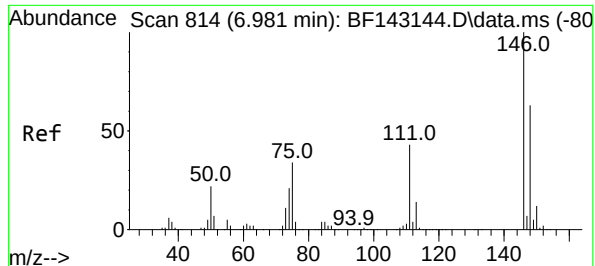
Ion Ratio Lower Upper

146 100

148 63.6 50.6 76.0

75 31.7 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.415 ng

RT: 6.981 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

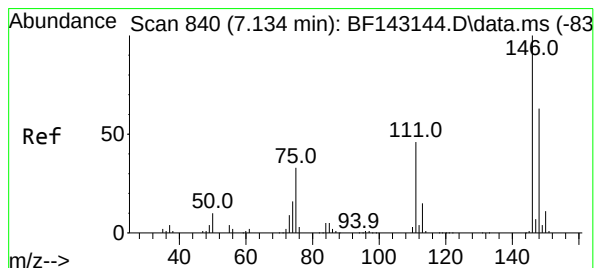
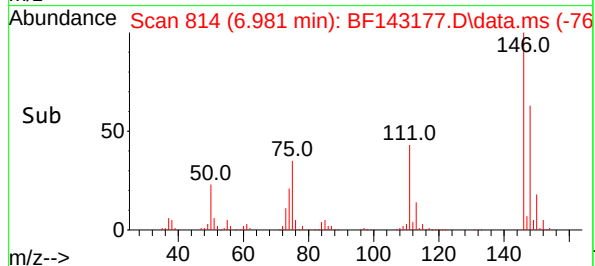
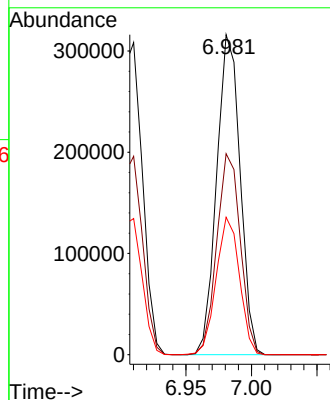
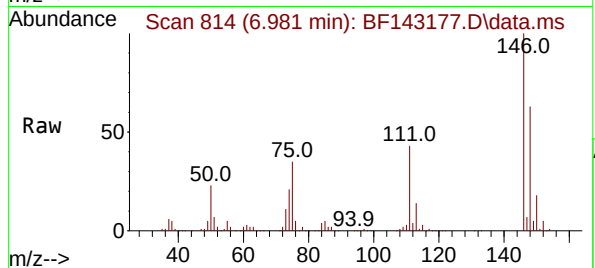
Tgt Ion:146 Resp: 392969

Ion Ratio Lower Upper

146 100

148 62.8 50.3 75.5

111 42.9 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 39.536 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

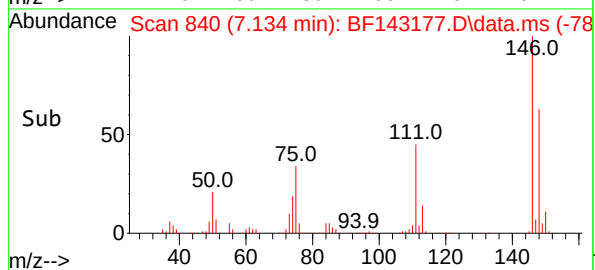
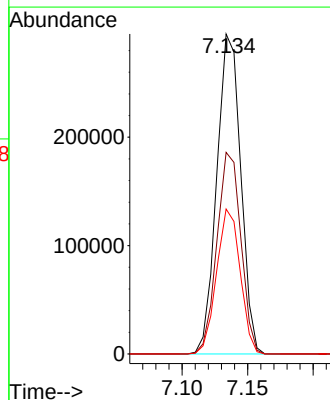
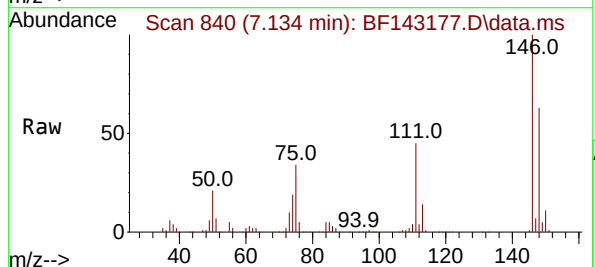
Tgt Ion:146 Resp: 374905

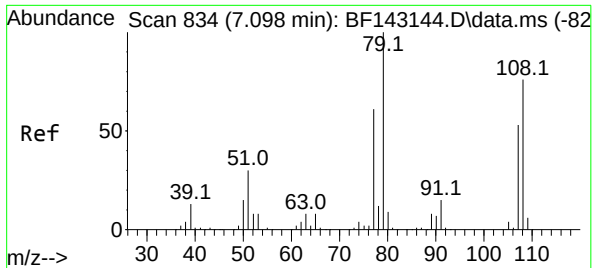
Ion Ratio Lower Upper

146 100

148 63.0 50.7 76.1

111 45.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 40.325 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

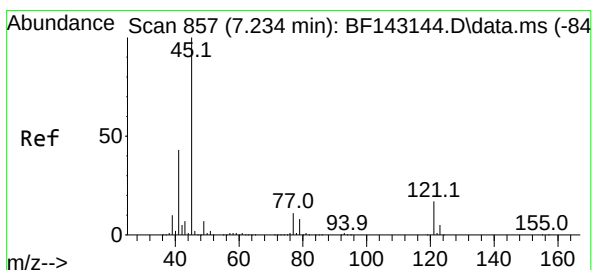
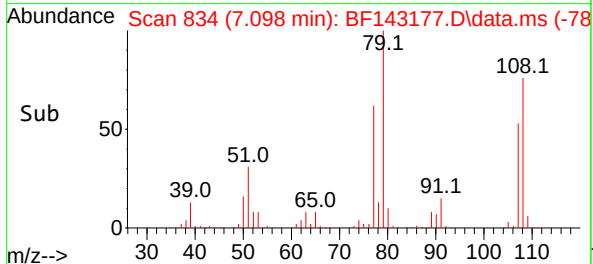
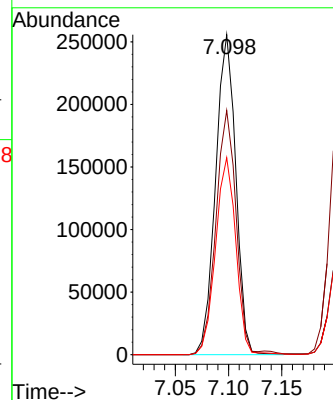
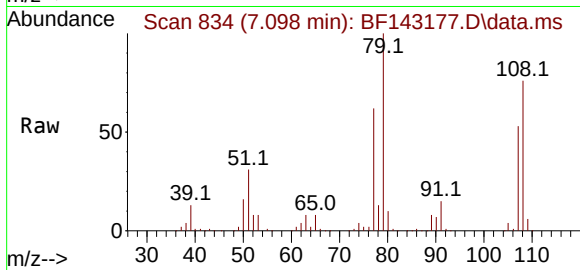
Tgt Ion: 79 Resp: 336956

Ion Ratio Lower Upper

79 100

108 76.3 61.1 91.7

77 61.6 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.617 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

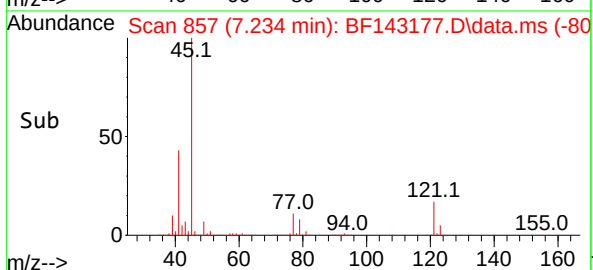
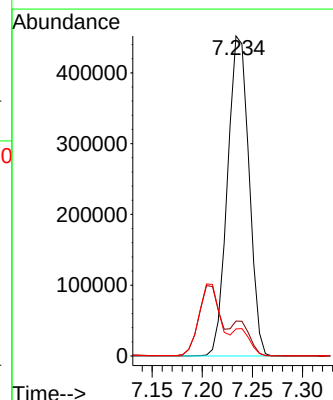
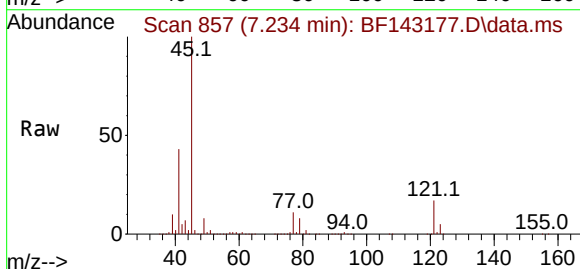
Tgt Ion: 45 Resp: 670842

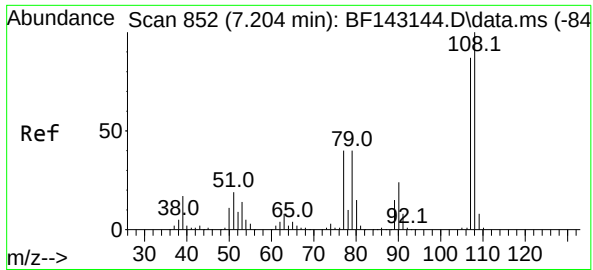
Ion Ratio Lower Upper

45 100

77 10.9 0.0 31.2

79 8.4 0.0 28.5

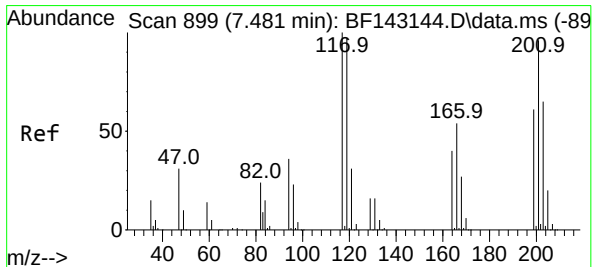
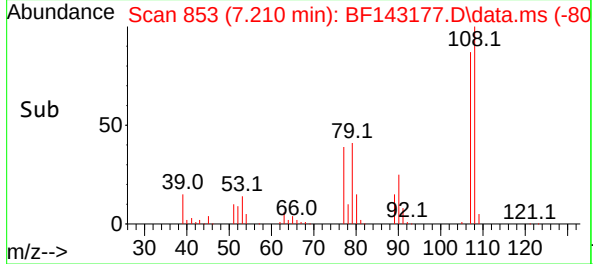
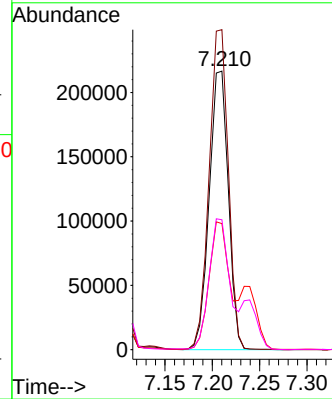
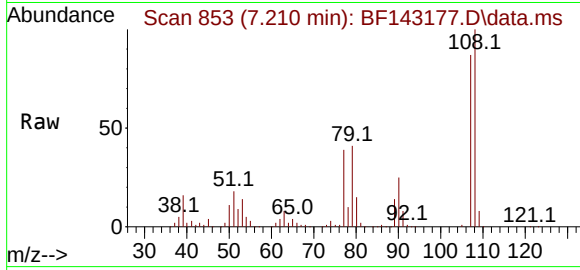




#17
2-Methylphenol
Concen: 39.715 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

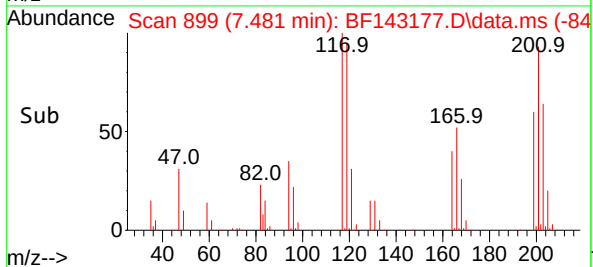
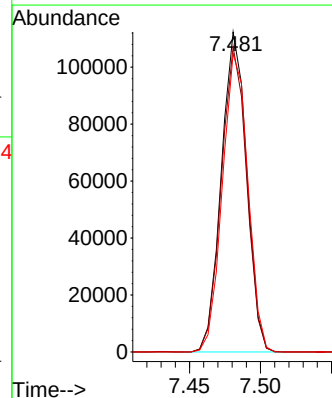
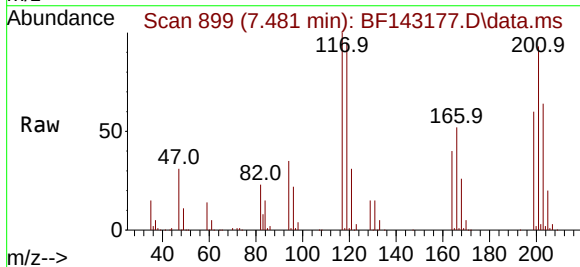
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

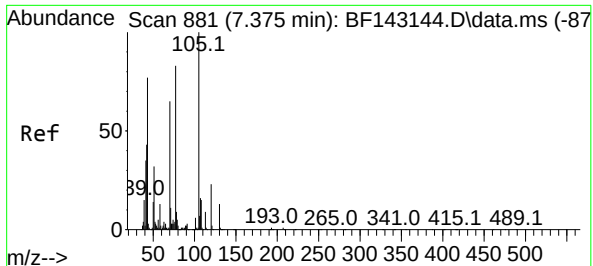
Tgt Ion:107 Resp: 304327
Ion Ratio Lower Upper
107 100
108 114.9 91.8 137.6
77 45.3 37.0 55.6
79 46.6 36.9 55.3



#18
Hexachloroethane
Concen: 40.337 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:117 Resp: 139222
Ion Ratio Lower Upper
117 100
119 95.3 77.8 116.8
201 93.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 38.818 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 272545

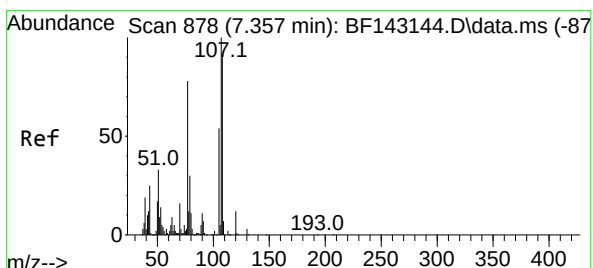
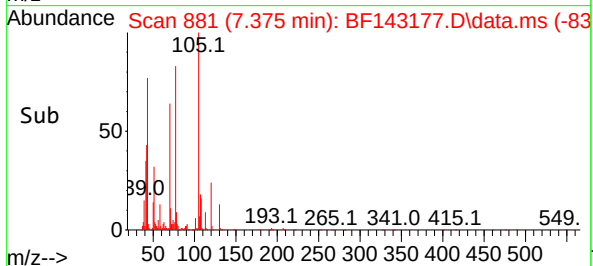
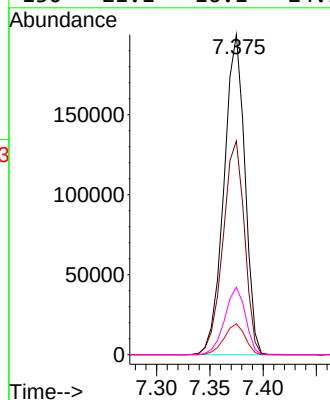
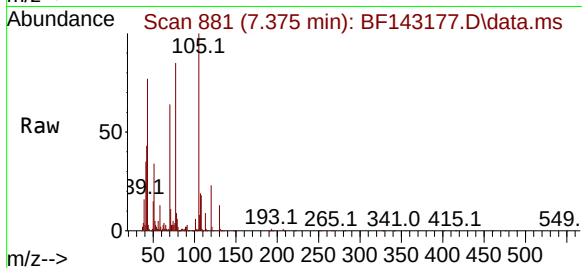
Ion Ratio Lower Upper

70 100

42 66.8 52.5 78.7

101 9.7 7.6 11.4

130 21.1 16.1 24.1



#20

3+4-Methylphenols

Concen: 40.856 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion: 107 Resp: 379841

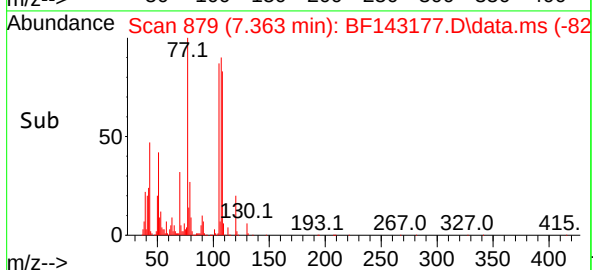
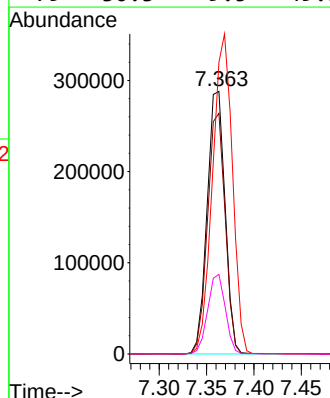
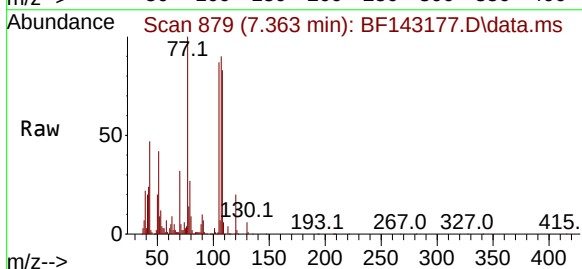
Ion Ratio Lower Upper

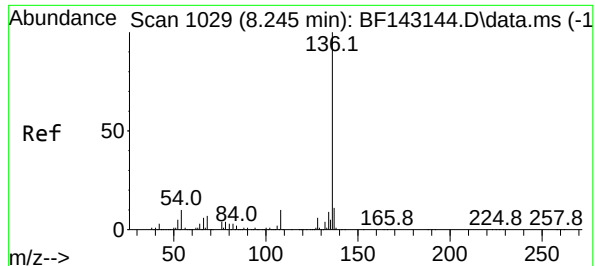
107 100

108 91.6 70.0 110.0

77 111.0 57.8 97.8#

79 30.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 540273

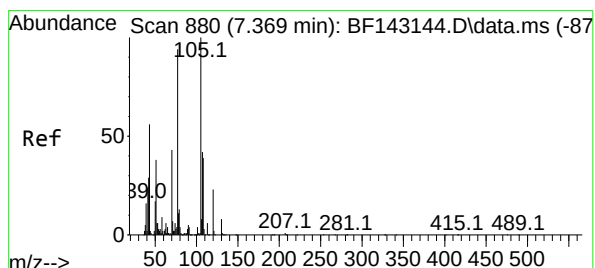
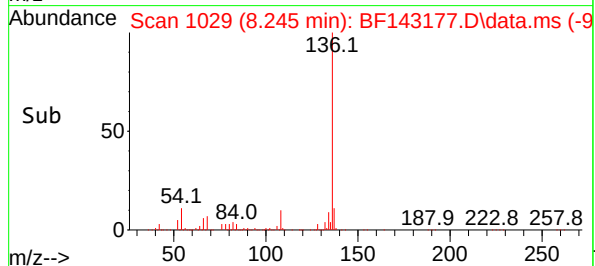
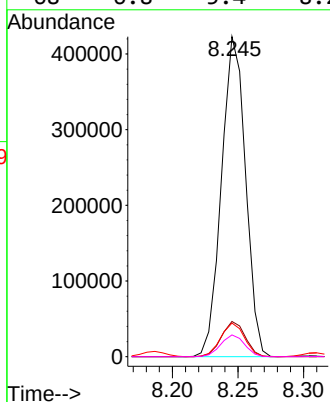
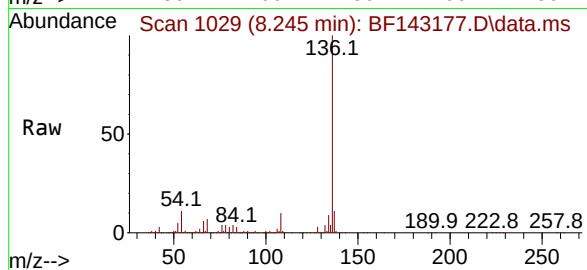
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.5 8.2 12.2

68 6.8 5.4 8.2



#22

Acetophenone

Concen: 38.166 ng

RT: 7.369 min Scan# 880

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion:105 Resp: 488181

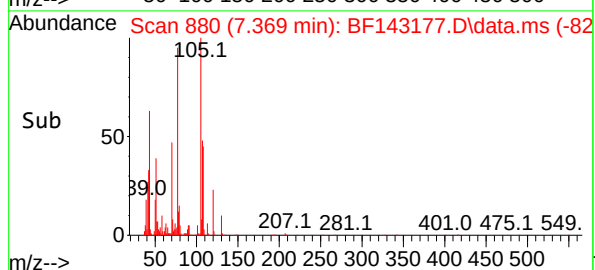
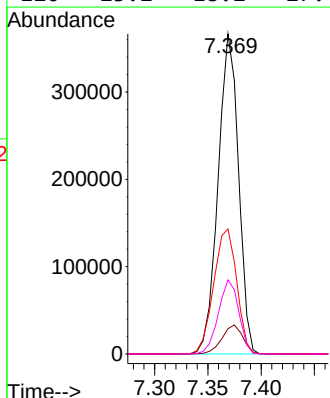
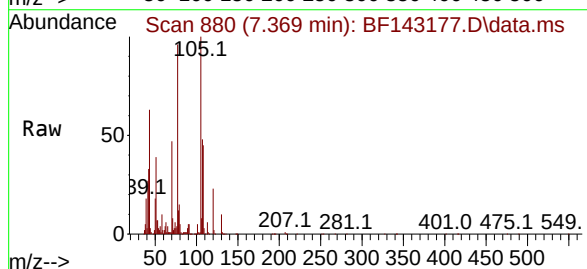
Ion Ratio Lower Upper

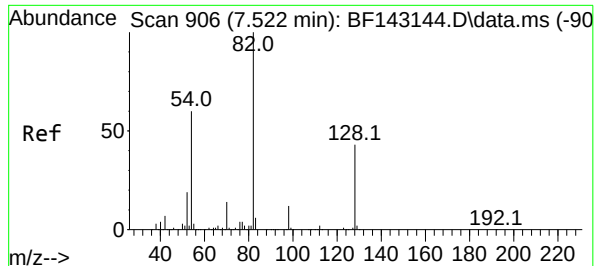
105 100

71 7.9 5.8 8.6

51 39.0 30.2 45.2

120 23.2 18.2 27.4





#23

Nitrobenzene-d5

Concen: 79.820 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

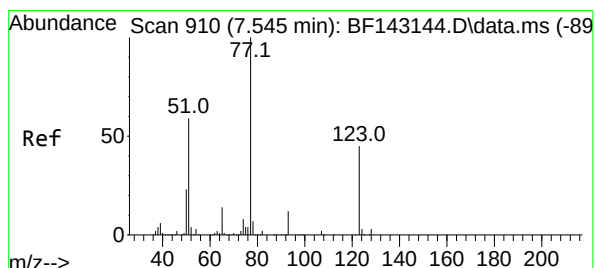
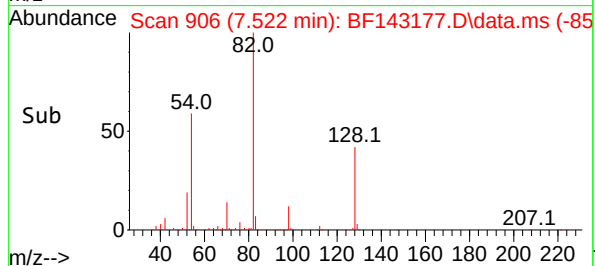
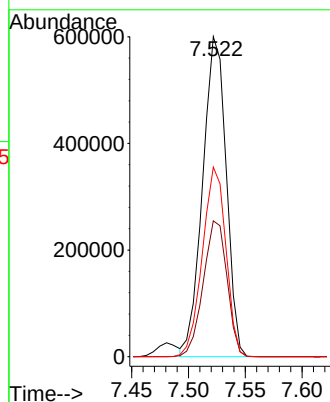
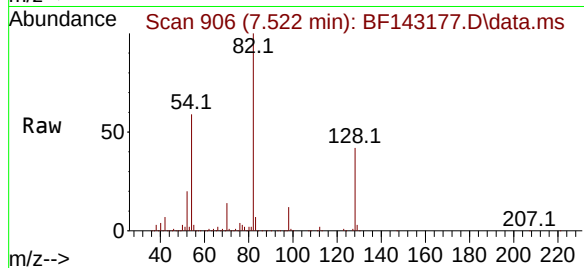
Tgt Ion: 82 Resp: 865138

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.2 47.1 70.7



#24

Nitrobenzene

Concen: 39.931 ng

RT: 7.545 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

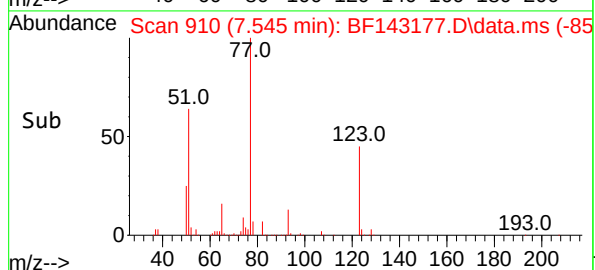
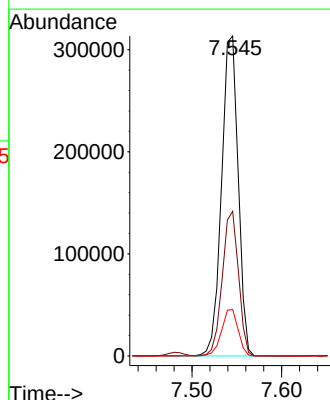
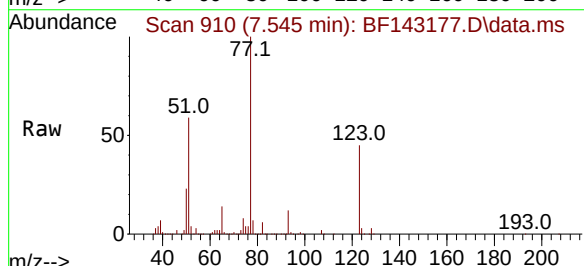
Tgt Ion: 77 Resp: 403502

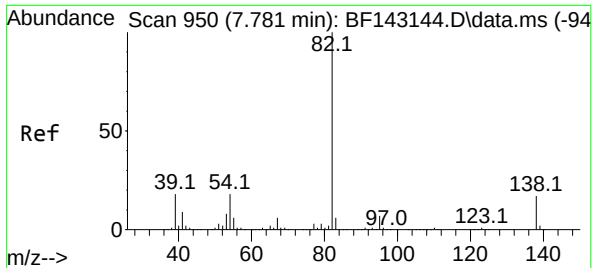
Ion Ratio Lower Upper

77 100

123 45.2 36.1 54.1

65 14.5 11.4 17.2

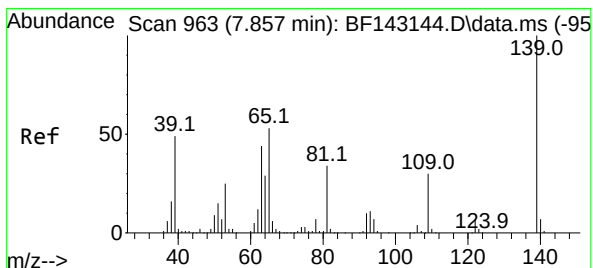
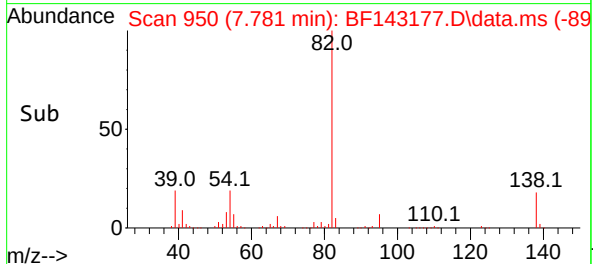
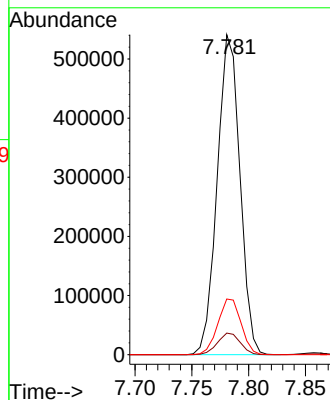
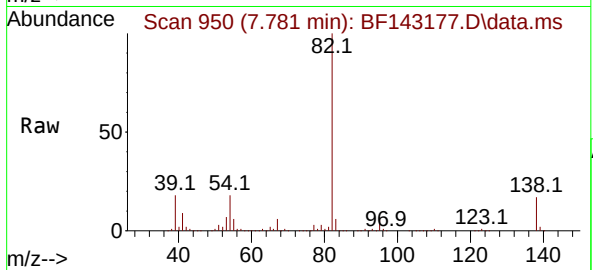




#25
Isophorone
Concen: 39.403 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

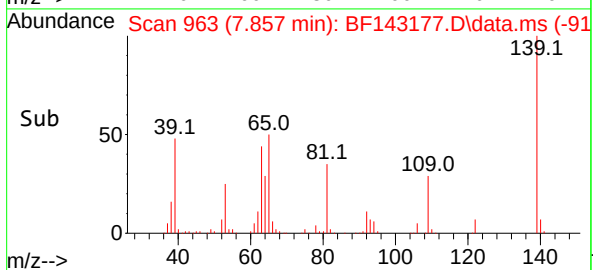
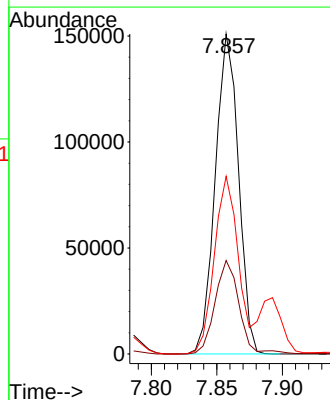
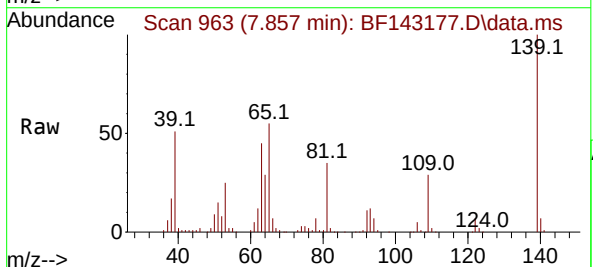
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

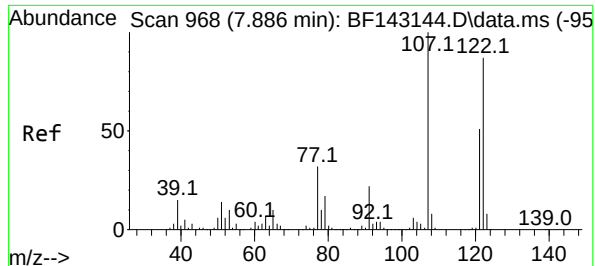
Tgt Ion: 82 Resp: 753928
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.4 13.8 20.8



#26
2-Nitrophenol
Concen: 42.420 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 139 Resp: 186034
Ion Ratio Lower Upper
139 100
109 29.2 23.6 35.4
65 55.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 39.039 ng

RT: 7.892 min Scan# 968

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

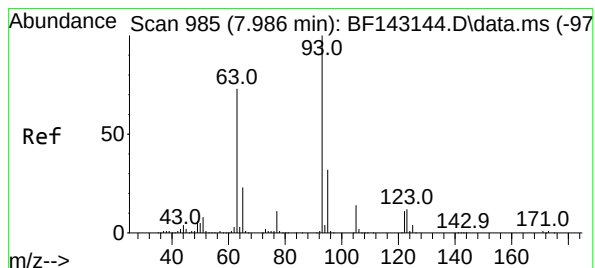
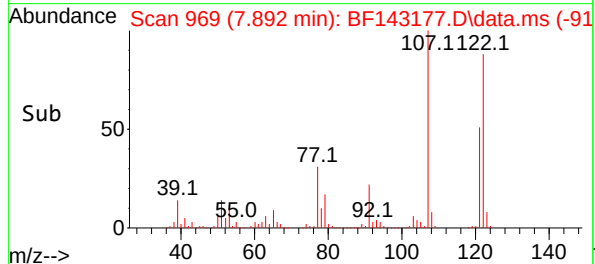
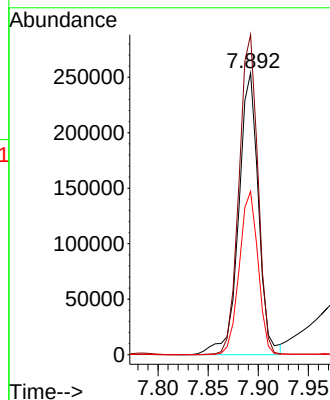
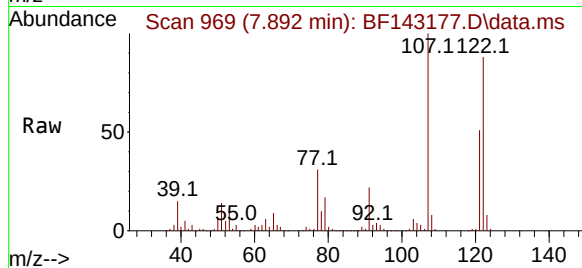
Tgt Ion:122 Resp: 348982

Ion Ratio Lower Upper

122 100

107 113.6 91.8 137.6

121 58.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 38.742 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

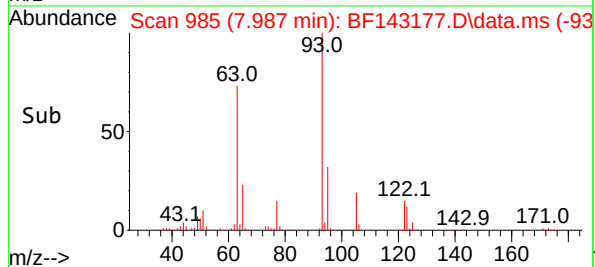
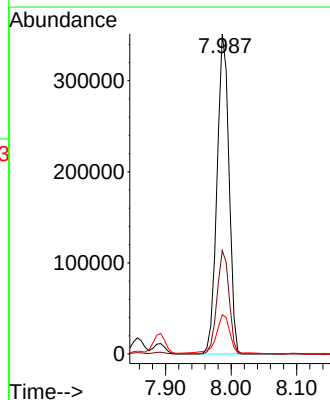
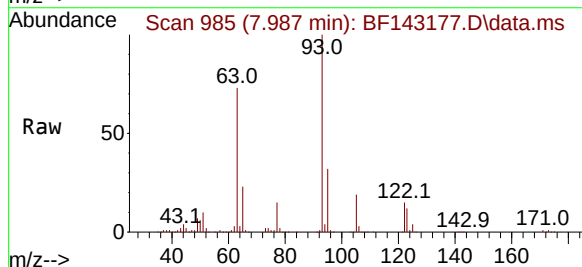
Tgt Ion: 93 Resp: 444443

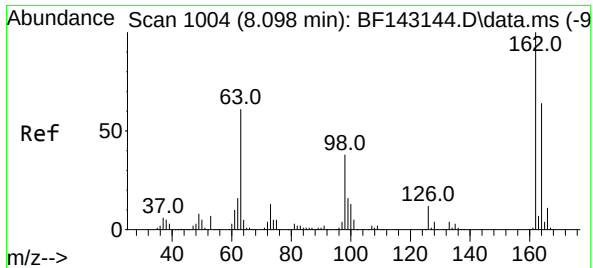
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.284 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

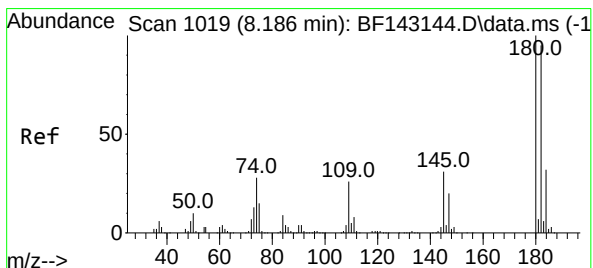
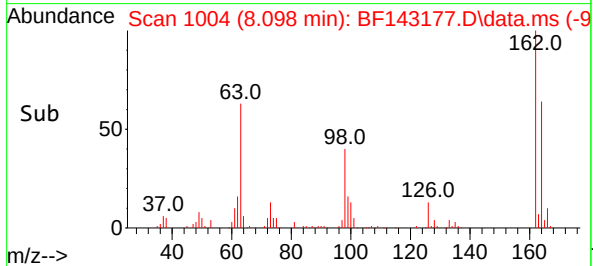
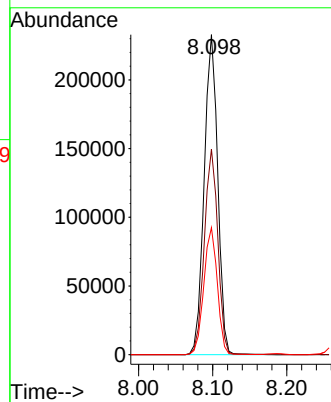
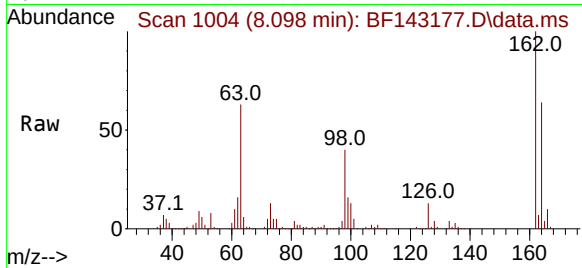
Tgt Ion:162 Resp: 296155

Ion Ratio Lower Upper

162 100

164 64.3 44.2 84.2

98 39.7 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.597 ng

RT: 8.186 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

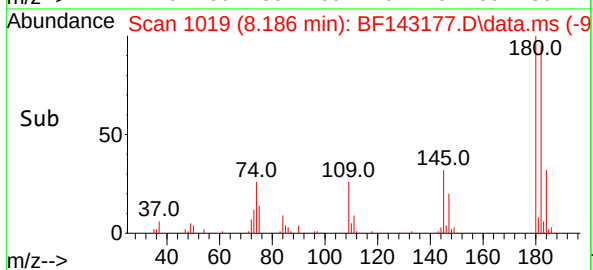
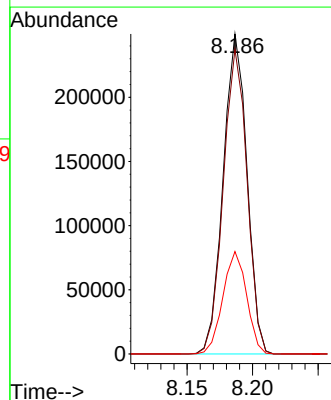
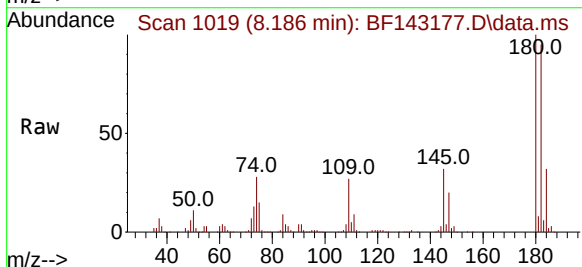
Tgt Ion:180 Resp: 314359

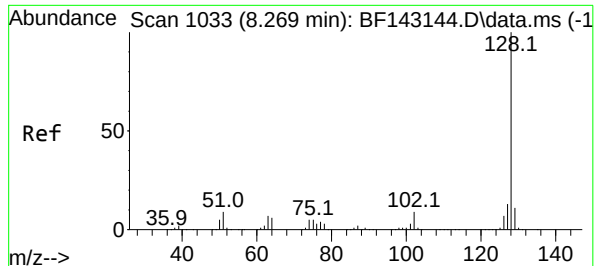
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 32.0 25.0 37.6





#31

Naphthalene

Concen: 38.661 ng

RT: 8.269 min Scan# 1033

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

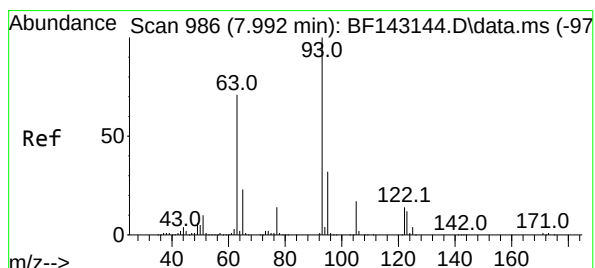
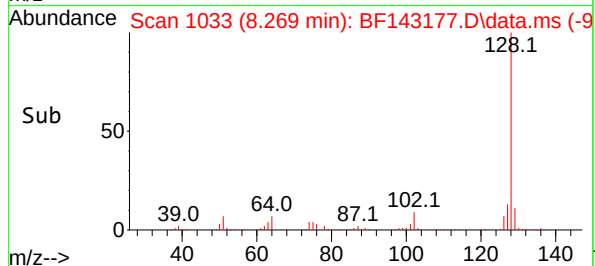
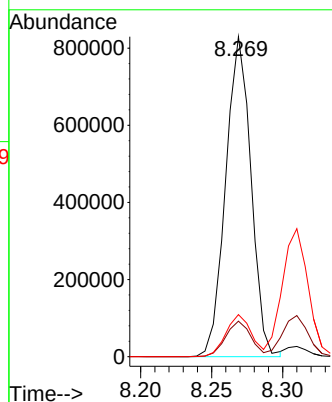
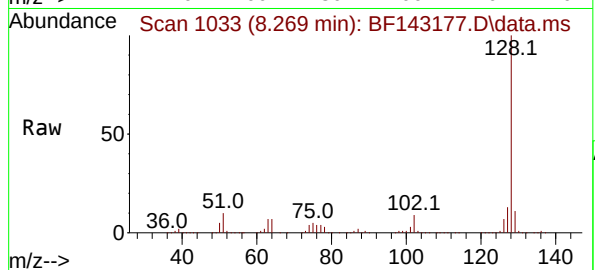
Tgt Ion:128 Resp: 1028678

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.1 10.6 16.0



#32

Benzoic acid

Concen: 42.399 ng

RT: 7.992 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

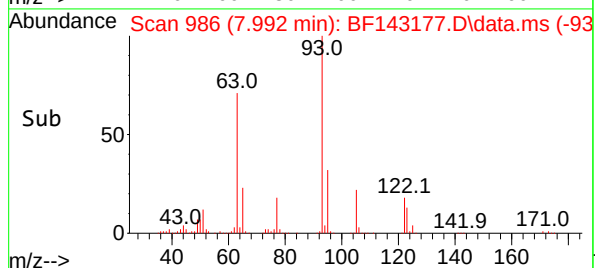
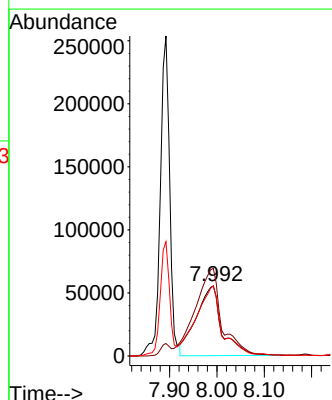
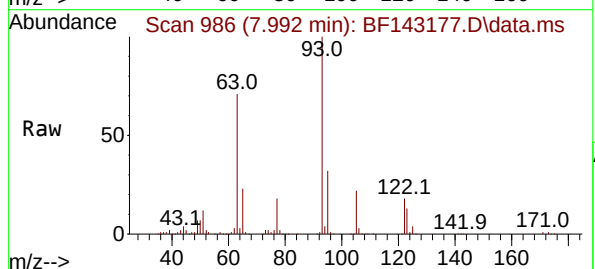
Tgt Ion:122 Resp: 210097

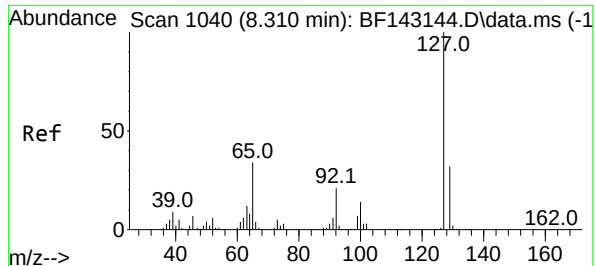
Ion Ratio Lower Upper

122 100

105 125.0 104.8 144.8

77 100.1 77.6 117.6





#33

4-Chloroaniline

Concen: 39.296 ng

RT: 8.310 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 426934

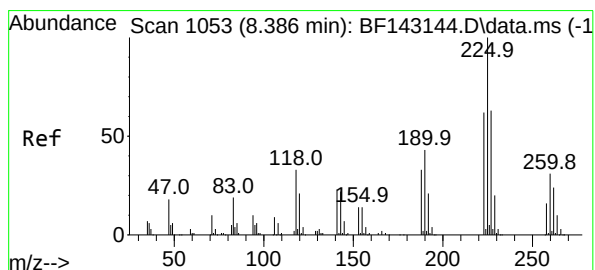
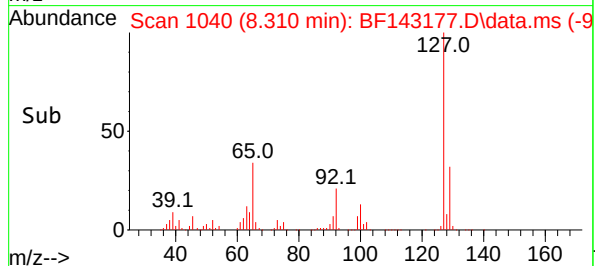
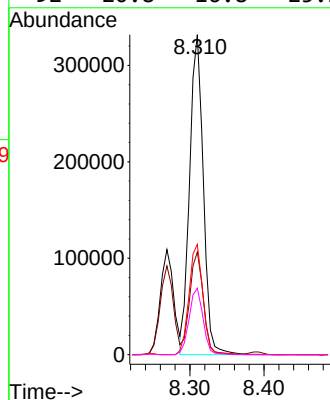
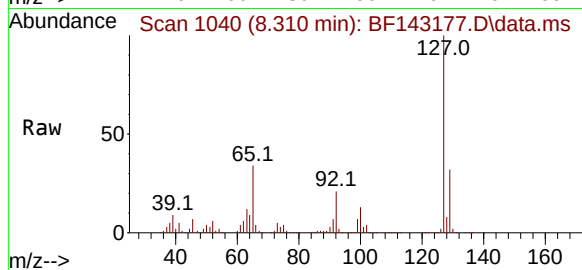
Ion Ratio Lower Upper

127 100

129 32.1 26.0 39.0

65 34.5 27.4 41.2

92 20.8 16.8 25.2



#34

Hexachlorobutadiene

Concen: 38.797 ng

RT: 8.392 min Scan# 1054

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

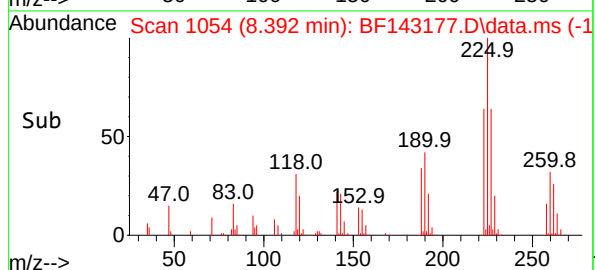
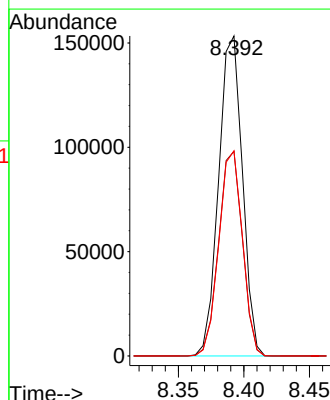
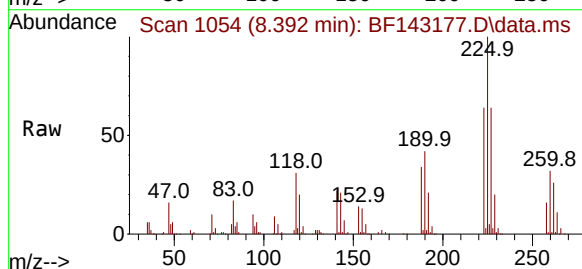
Tgt Ion:225 Resp: 193031

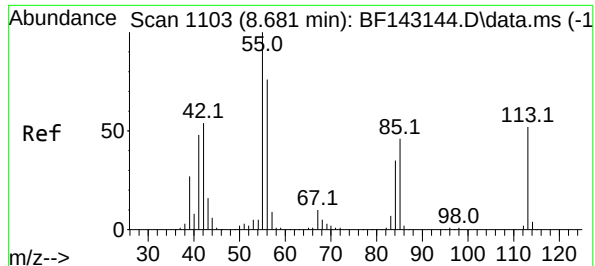
Ion Ratio Lower Upper

225 100

223 63.9 49.8 74.6

227 64.1 50.2 75.4





#35

Caprolactam

Concen: 43.497 ng

RT: 8.681 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

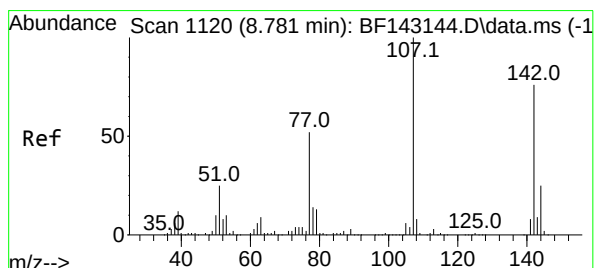
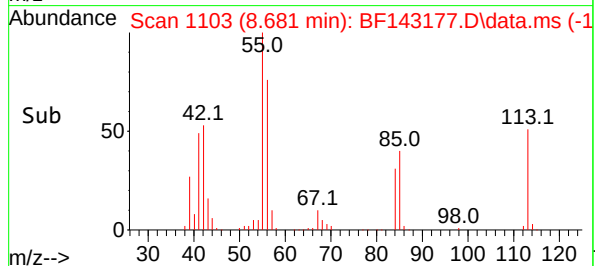
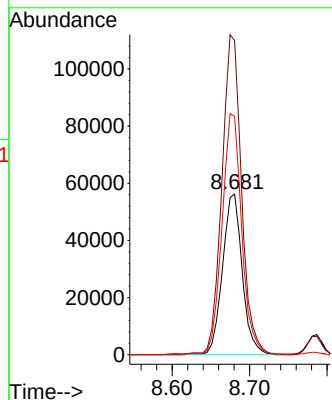
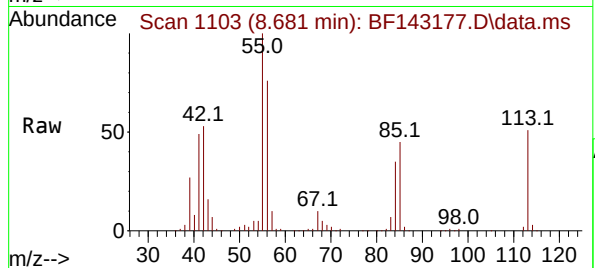
Tgt Ion:113 Resp: 99092

Ion Ratio Lower Upper

113 100

55 195.5 174.0 214.0

56 148.5 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 40.031 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

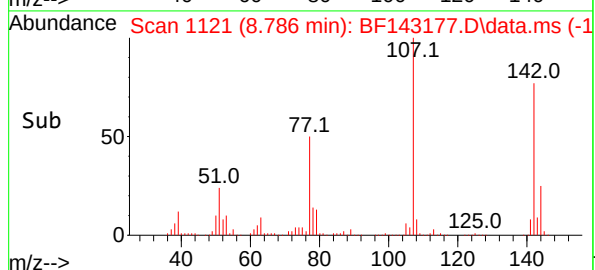
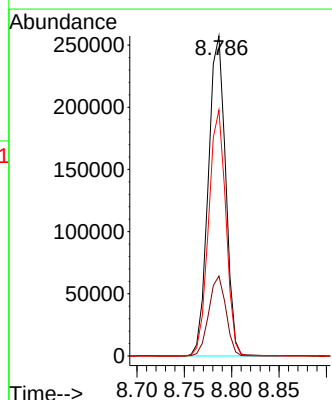
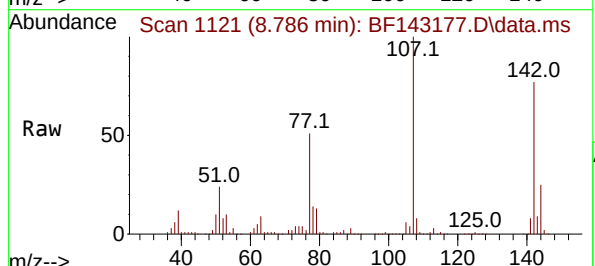
Tgt Ion:107 Resp: 328015

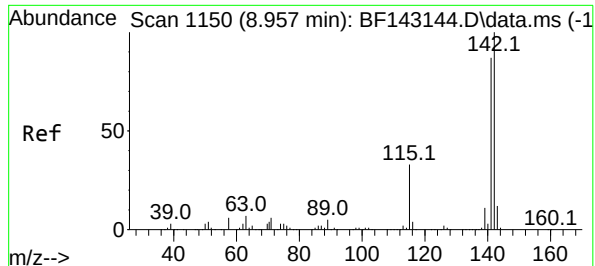
Ion Ratio Lower Upper

107 100

144 25.0 19.8 29.6

142 76.8 60.6 90.8





#37

2-Methylnaphthalene

Concen: 38.948 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

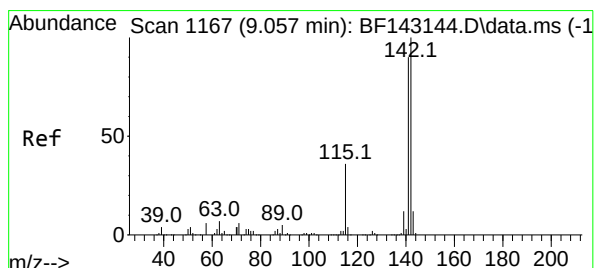
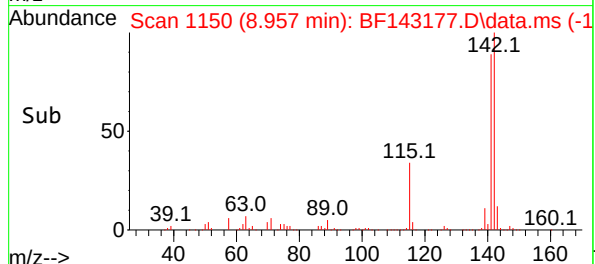
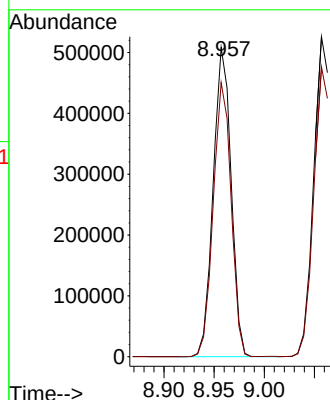
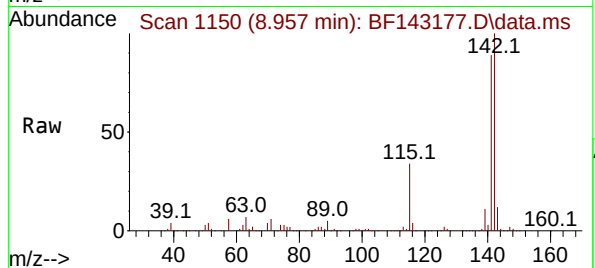
SSTDCCC040

Tgt Ion:142 Resp: 630618

Ion Ratio Lower Upper

142 100

141 88.6 69.9 104.9



#38

1-Methylnaphthalene

Concen: 39.448 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143177.D

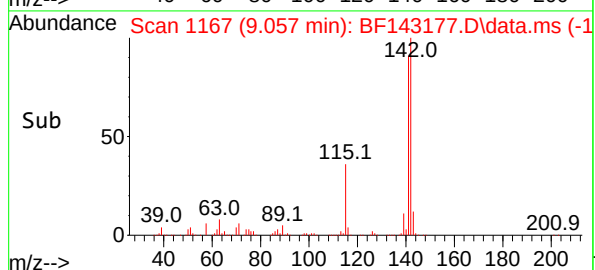
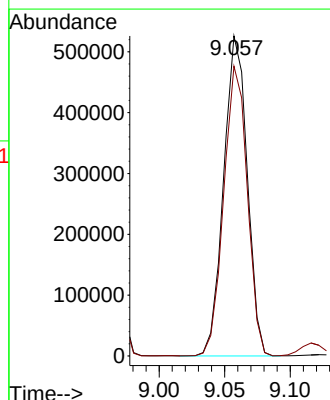
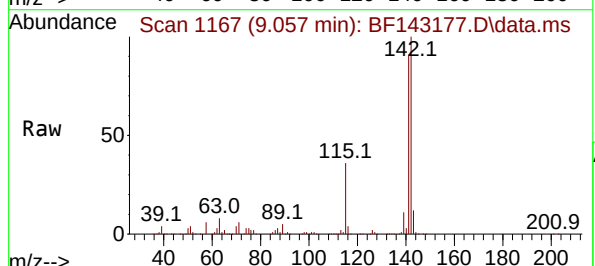
Acq: 22 Jul 2025 08:46

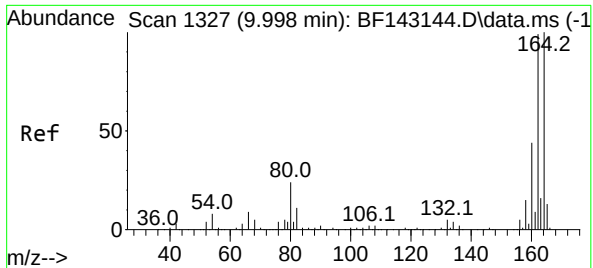
Tgt Ion:142 Resp: 657714

Ion Ratio Lower Upper

142 100

141 90.6 72.3 108.5

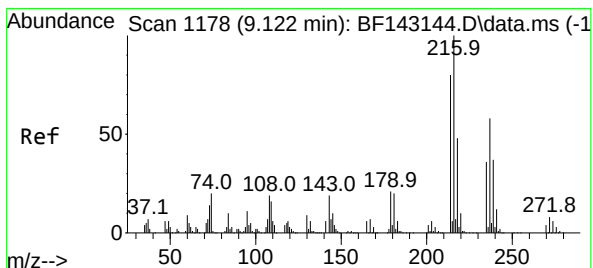
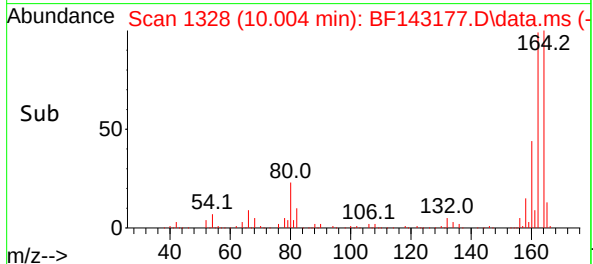
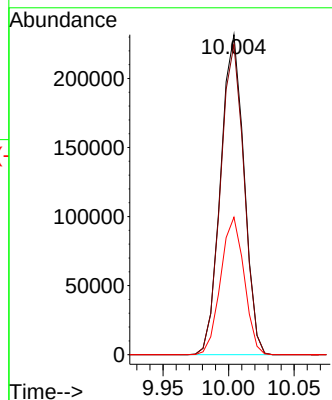
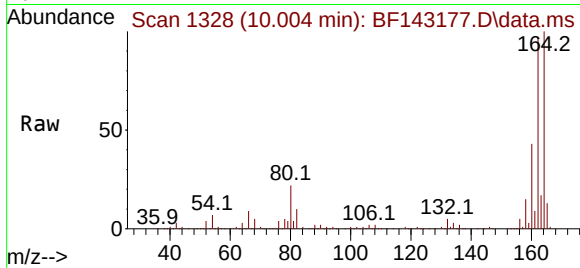




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

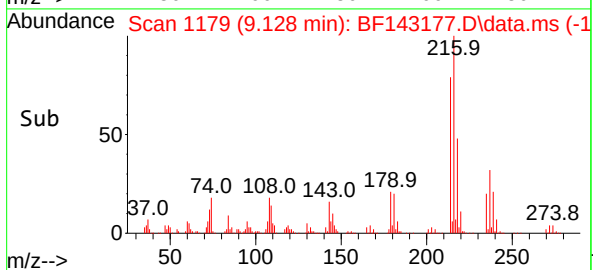
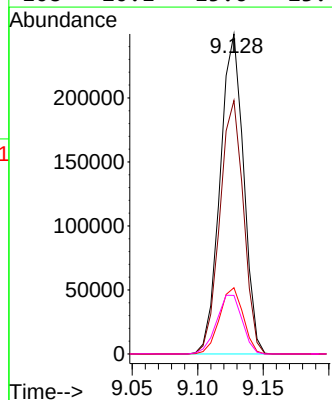
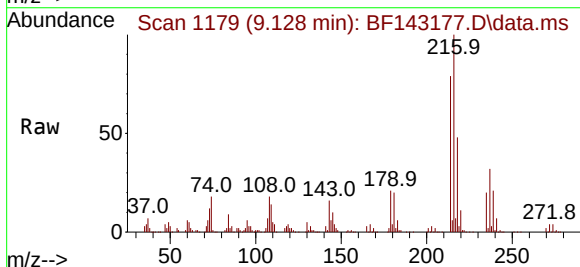
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

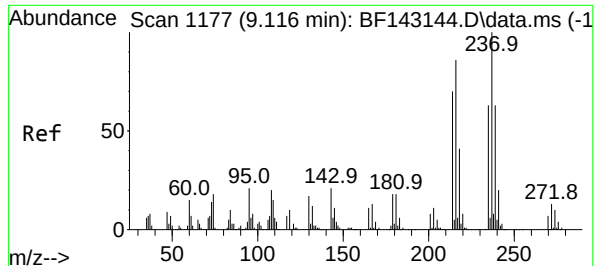
Tgt Ion:164 Resp: 287067
Ion Ratio Lower Upper
164 100
162 96.9 79.0 118.6
160 43.0 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.530 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:216 Resp: 311045
Ion Ratio Lower Upper
216 100
214 79.4 63.8 95.8
179 20.9 16.4 24.6
108 20.1 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 38.857 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

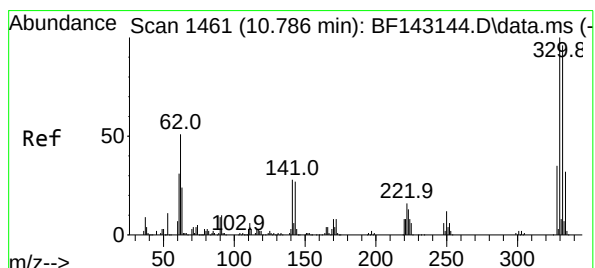
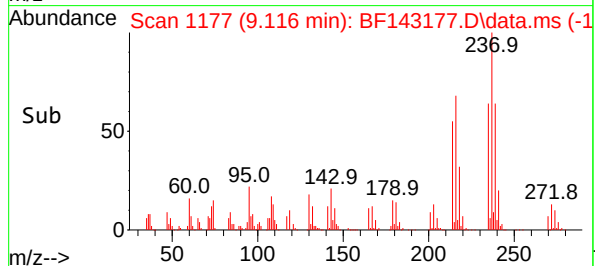
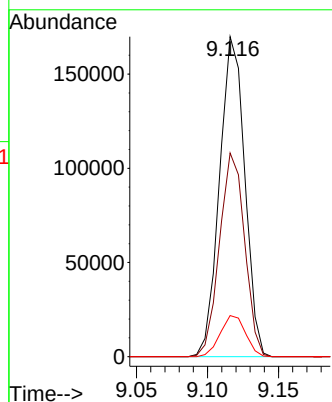
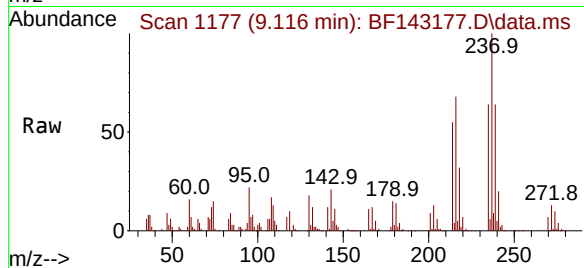
Tgt Ion:237 Resp: 209543

Ion Ratio Lower Upper

237 100

235 63.7 43.0 83.0

272 12.8 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 83.135 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

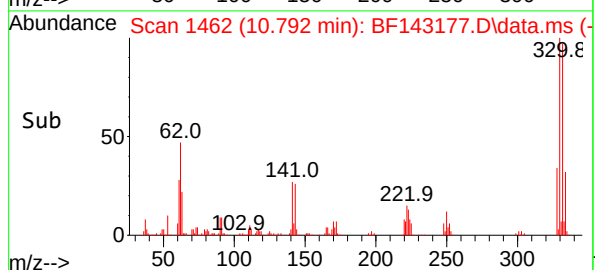
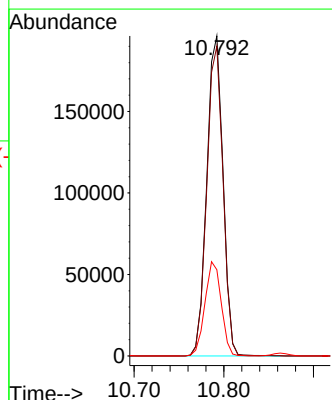
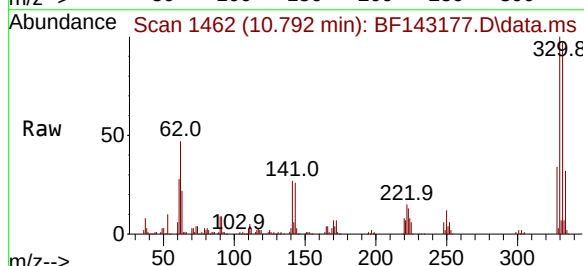
Tgt Ion:330 Resp: 246542

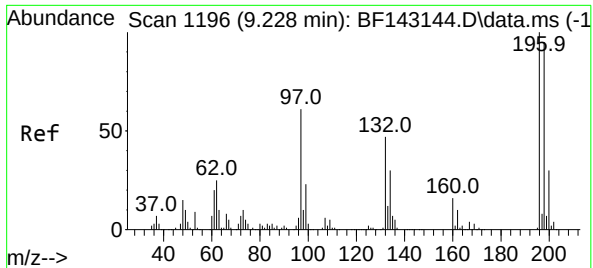
Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 29.6 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.716 ng

RT: 9.233 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

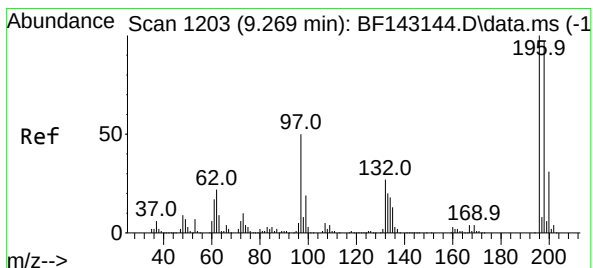
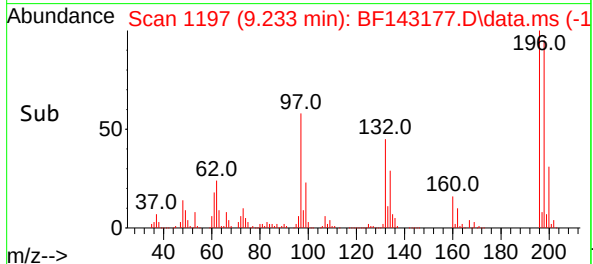
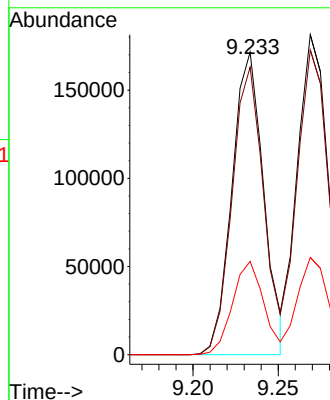
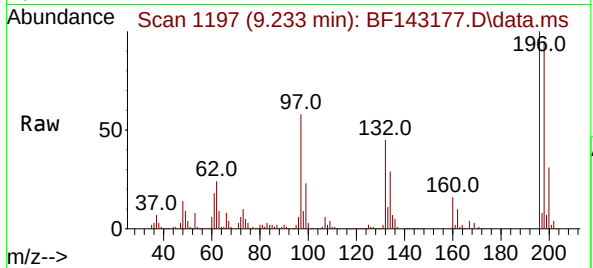
Tgt Ion:196 Resp: 222071

Ion Ratio Lower Upper

196 100

198 95.0 76.2 114.2

200 30.8 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 39.609 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Tgt Ion:196 Resp: 227262

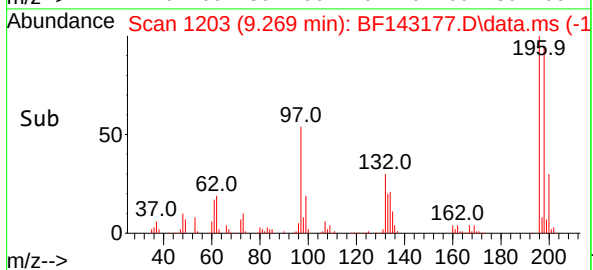
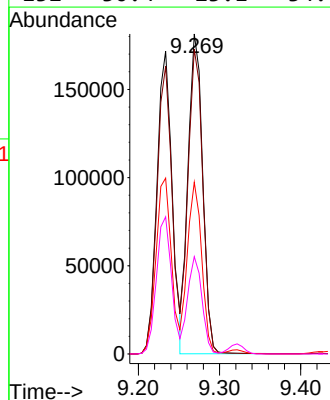
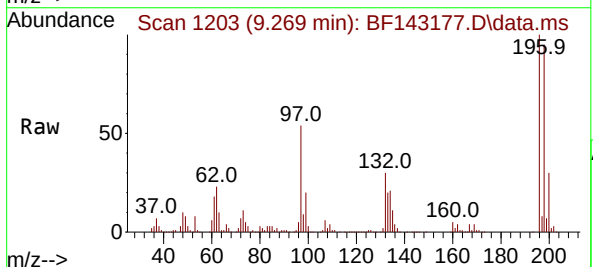
Ion Ratio Lower Upper

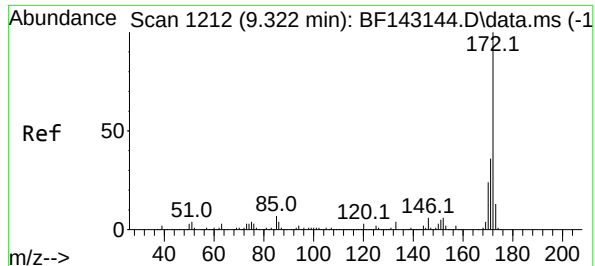
196 100

198 95.2 77.3 115.9

97 53.7 40.3 60.5

132 30.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.477 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

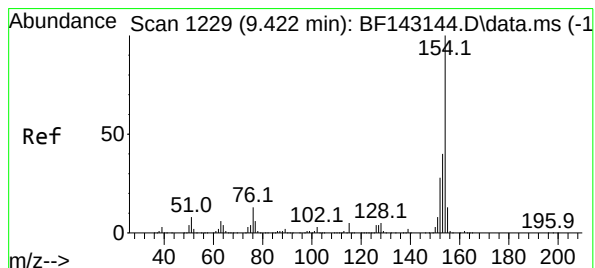
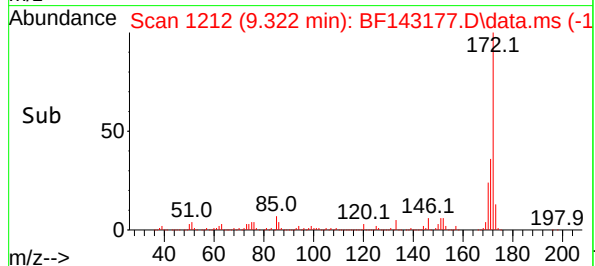
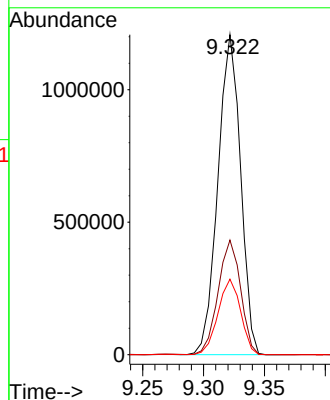
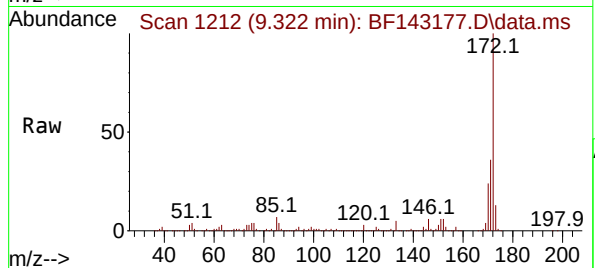
Tgt Ion:172 Resp: 1563287

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 38.059 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

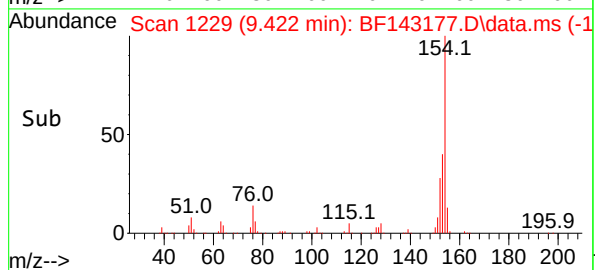
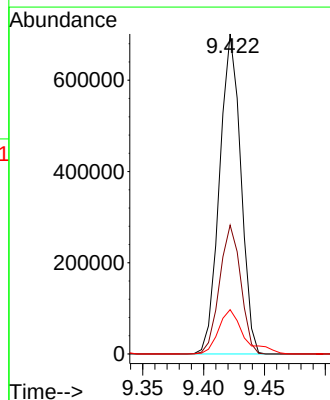
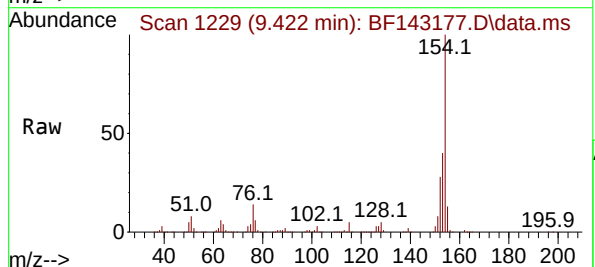
Tgt Ion:154 Resp: 852399

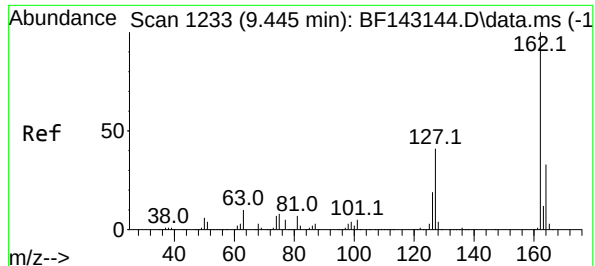
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.8 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.067 ng

RT: 9.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

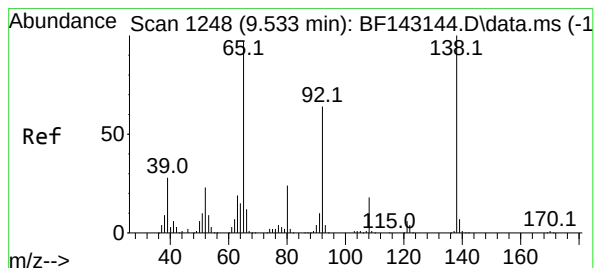
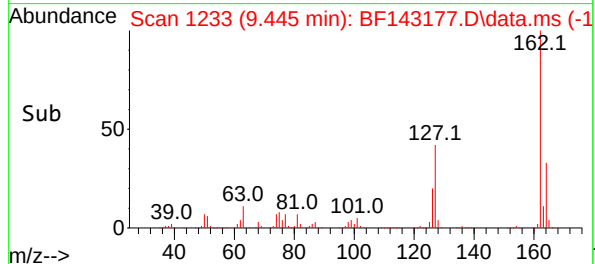
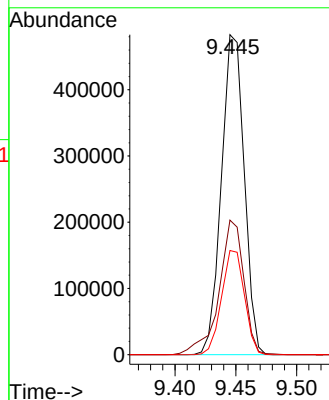
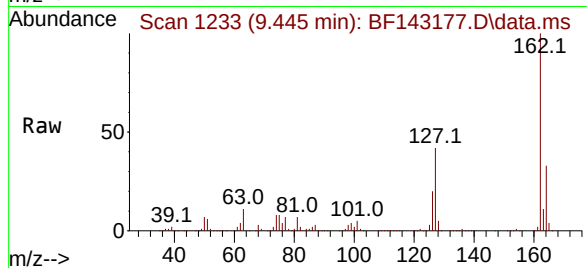
Tgt Ion:162 Resp: 630848

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 42.277 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

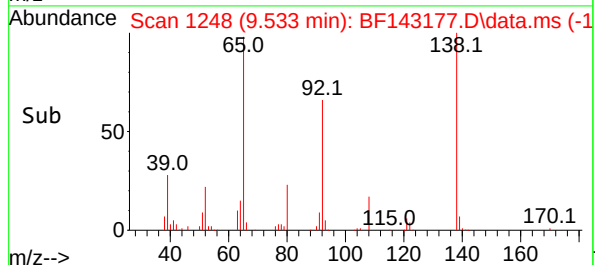
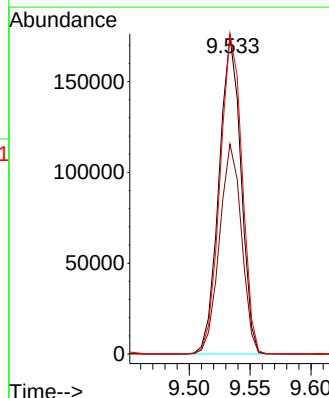
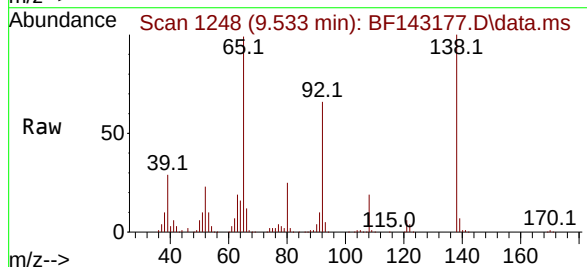
Tgt Ion: 65 Resp: 219714

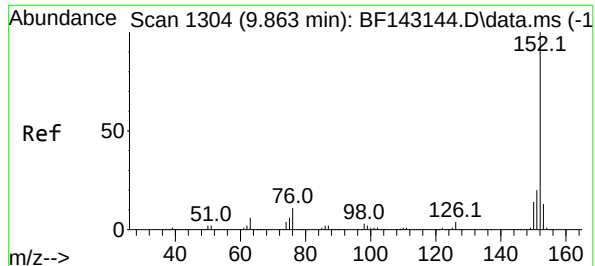
Ion Ratio Lower Upper

65 100

92 65.9 52.4 78.6

138 100.5 82.3 123.5





#49

Acenaphthylene

Concen: 38.541 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

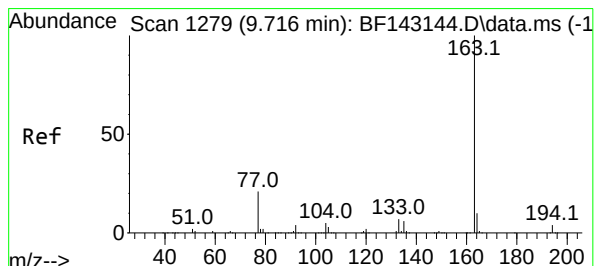
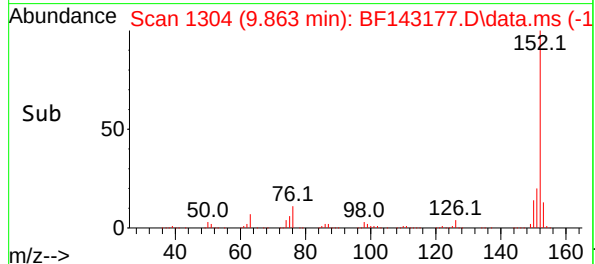
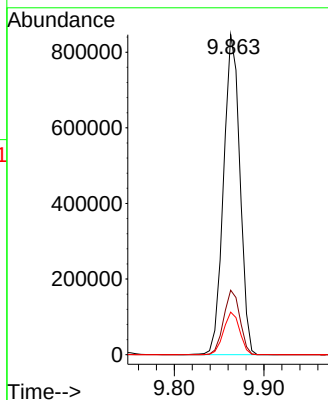
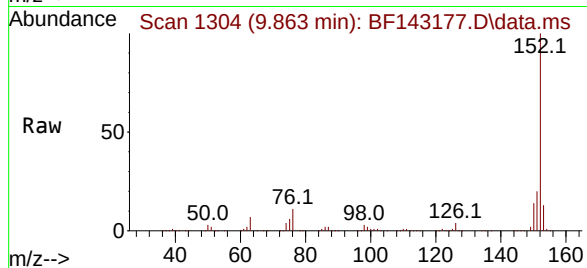
Tgt Ion:152 Resp: 1070369

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.3 10.6 16.0



#50

Dimethylphthalate

Concen: 39.501 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

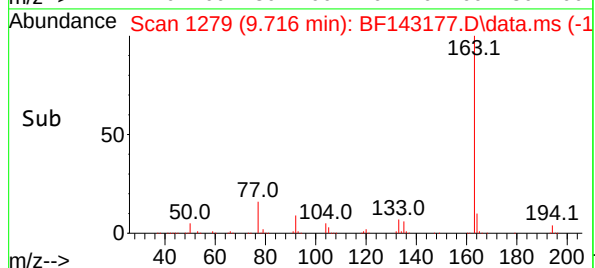
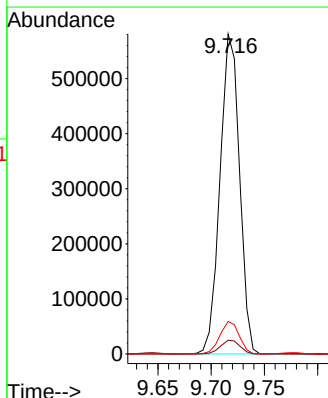
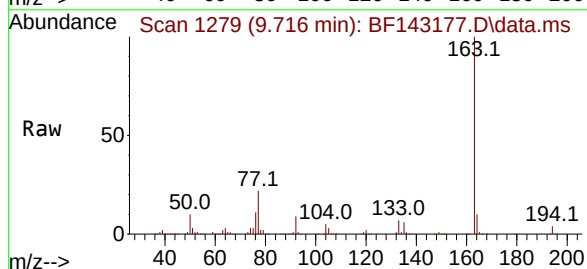
Tgt Ion:163 Resp: 739129

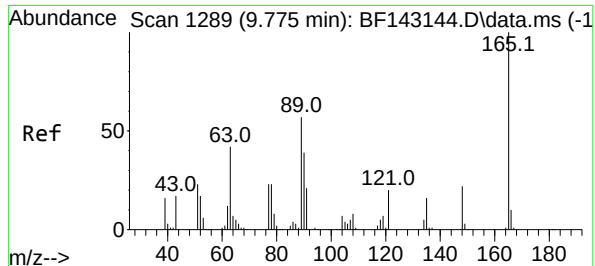
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.1 8.3 12.5

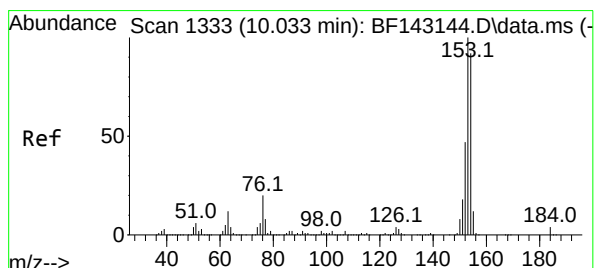
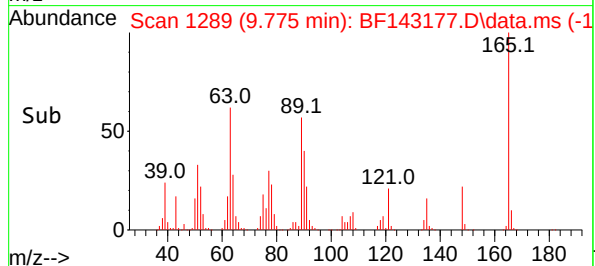
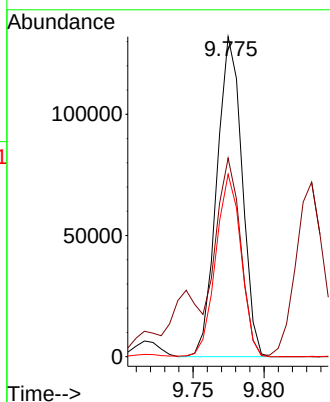
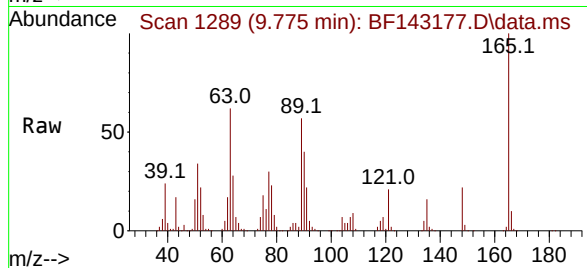




#51
2,6-Dinitrotoluene
Concen: 42.869 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

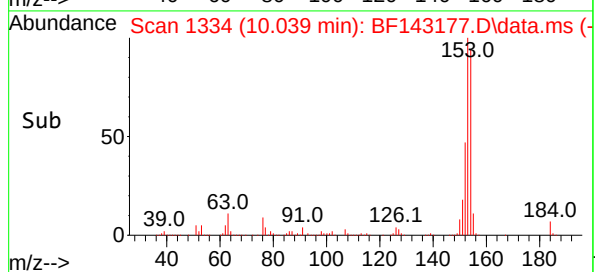
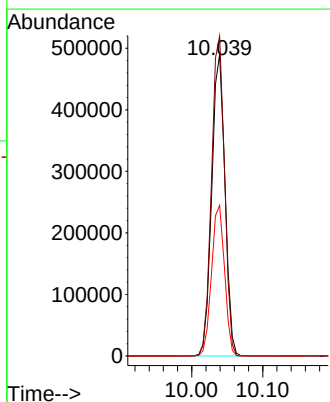
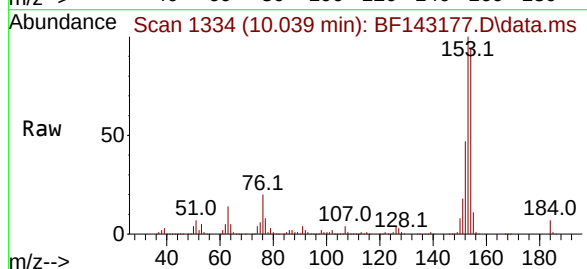
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

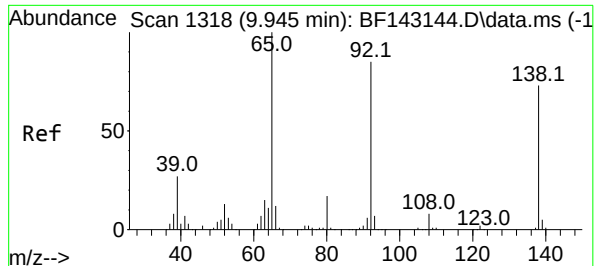
Tgt Ion:165 Resp: 163183
Ion Ratio Lower Upper
165 100
63 62.1 49.4 74.2
89 57.0 46.2 69.2



#52
Acenaphthene
Concen: 38.656 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:154 Resp: 634518
Ion Ratio Lower Upper
154 100
153 106.2 86.6 129.8
152 50.0 40.4 60.6





#53

3-Nitroaniline

Concen: 41.017 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

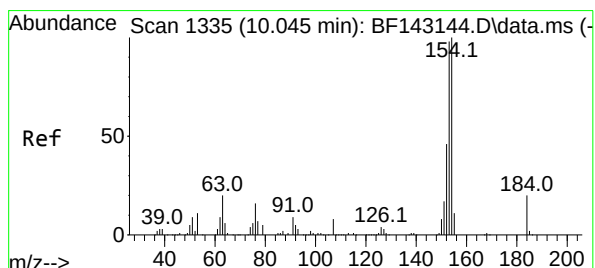
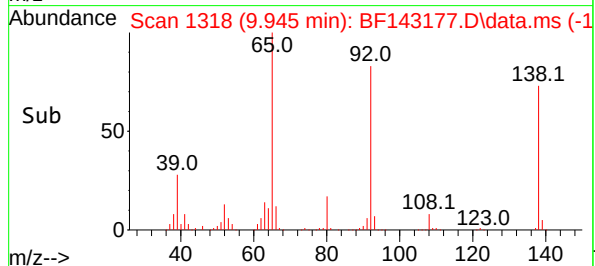
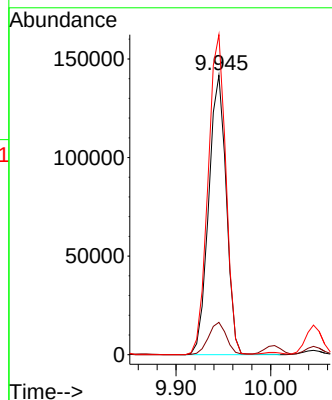
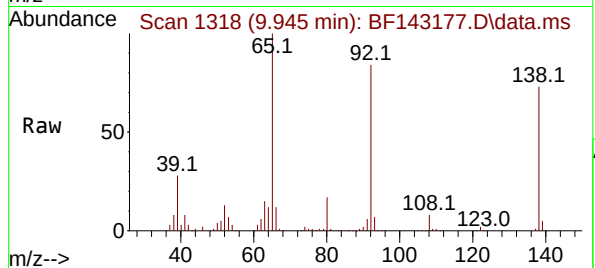
Tgt Ion:138 Resp: 182622

Ion Ratio Lower Upper

138 100

108 11.6 9.0 13.6

92 114.5 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 43.071 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

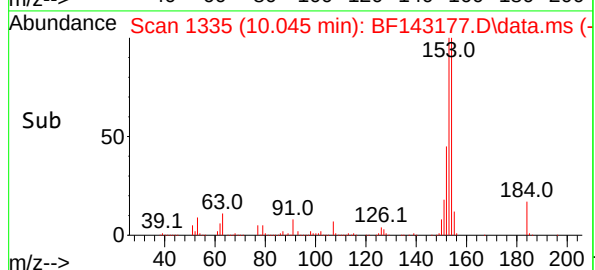
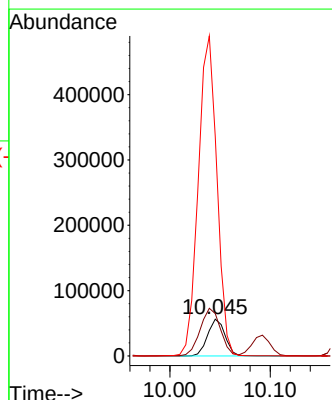
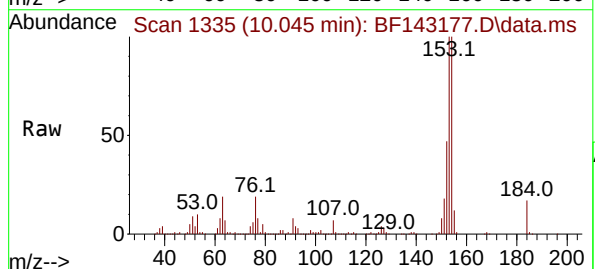
Tgt Ion:184 Resp: 68517

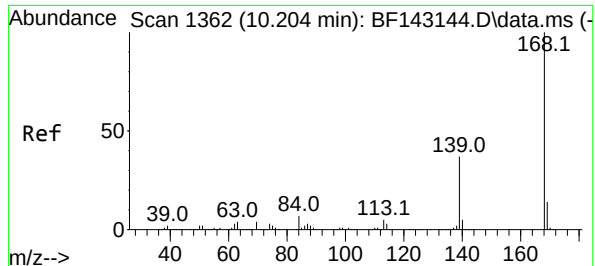
Ion Ratio Lower Upper

184 100

63 115.4 81.8 122.6

154 597.0 412.2 618.4





#55

Dibenzenofuran

Concen: 38.679 ng

RT: 10.210 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

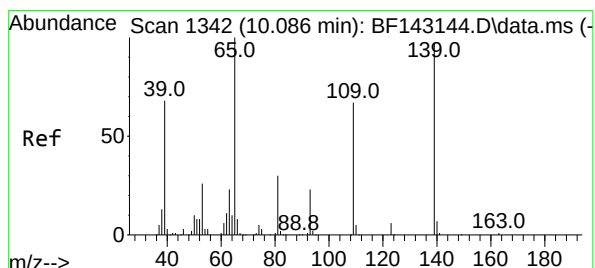
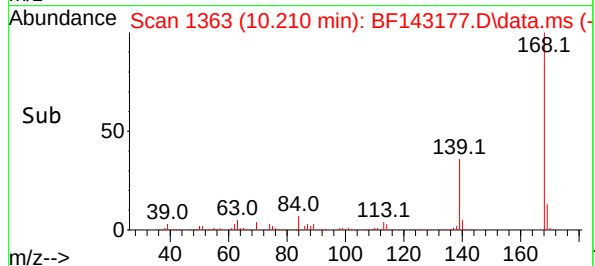
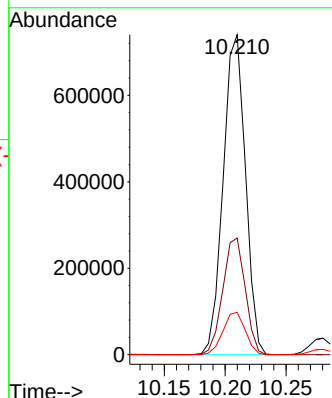
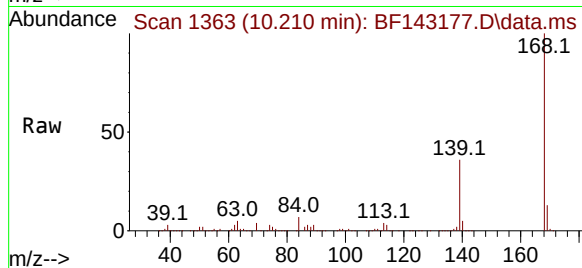
Tgt Ion:168 Resp: 942628

Ion Ratio Lower Upper

168 100

139 36.4 29.5 44.3

169 13.2 10.9 16.3



#56

4-Nitrophenol

Concen: 41.010 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

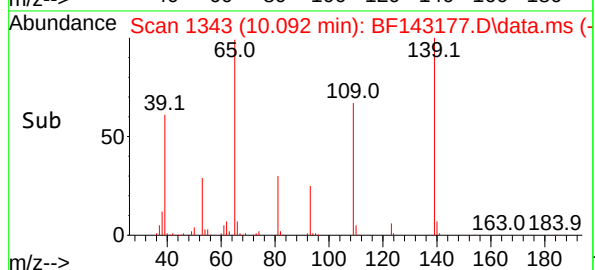
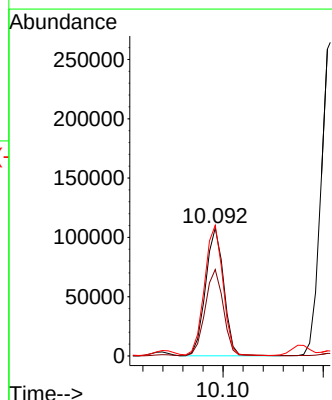
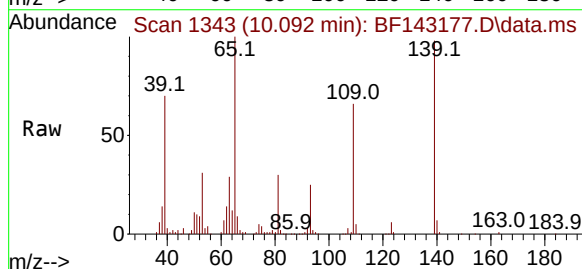
Tgt Ion:139 Resp: 136348

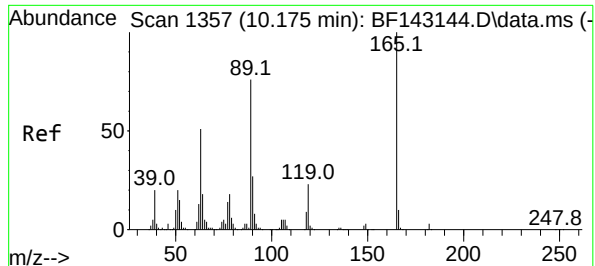
Ion Ratio Lower Upper

139 100

109 67.6 48.5 88.5

65 102.2 83.4 123.4

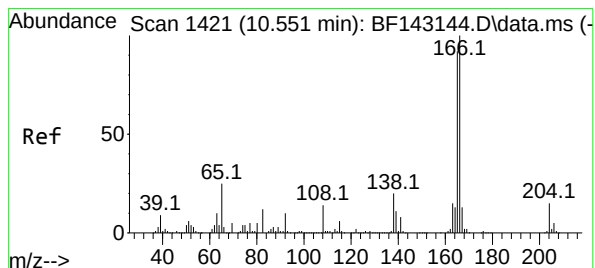
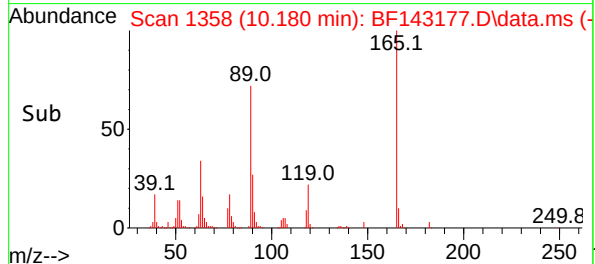
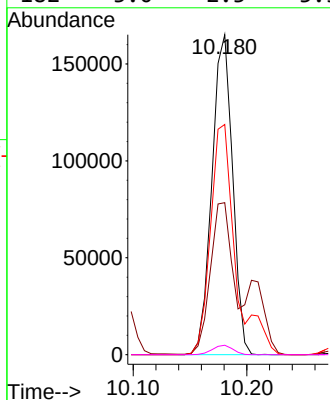
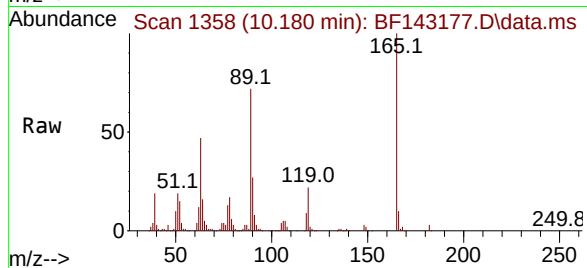




#57
2,4-Dinitrotoluene
Concen: 43.658 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

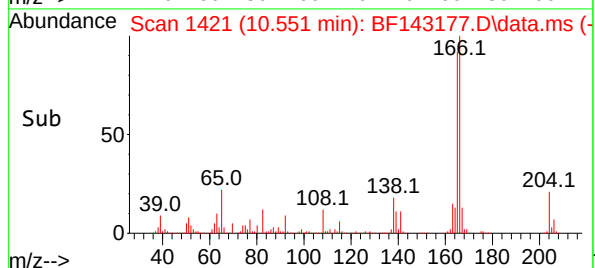
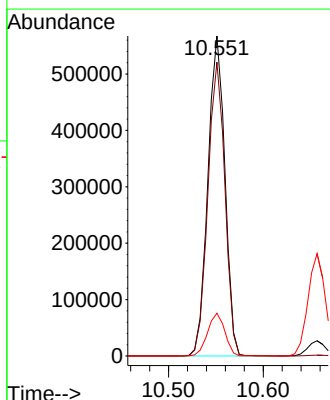
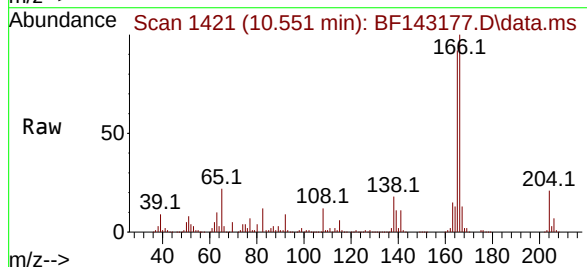
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

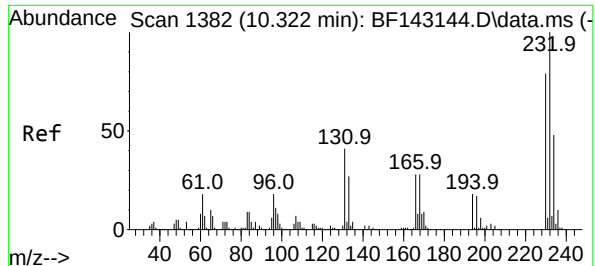
Tgt Ion:165 Resp: 208497
Ion Ratio Lower Upper
165 100
63 47.5 41.0 61.4
89 72.0 61.1 91.7
182 3.0 2.3 3.5



#58
Fluorene
Concen: 38.582 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:166 Resp: 705686
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.4 10.6 16.0

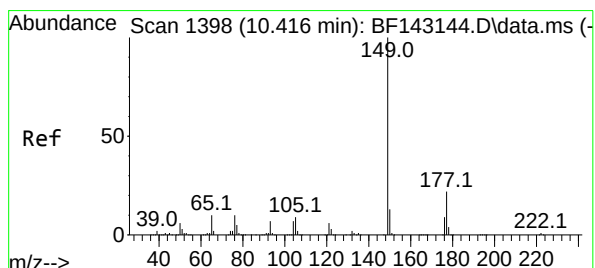
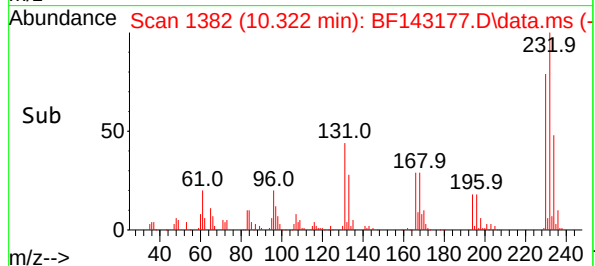
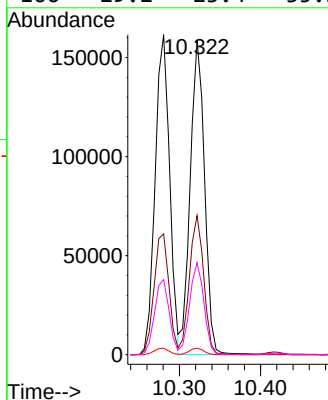
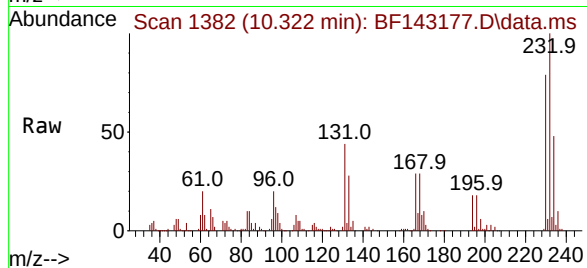




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.130 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

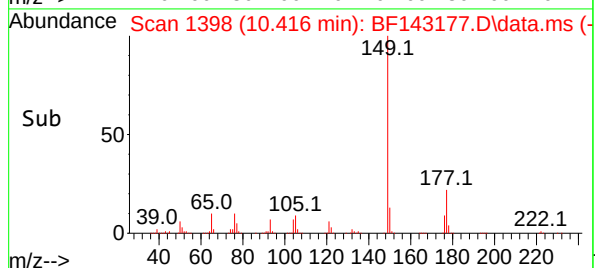
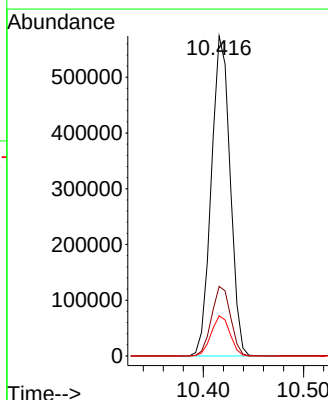
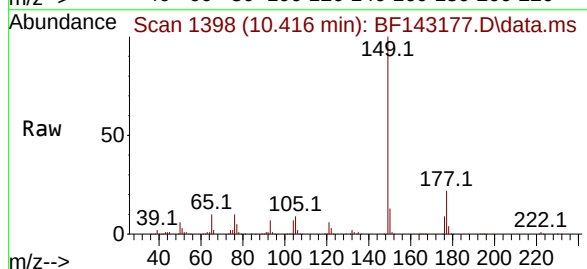
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

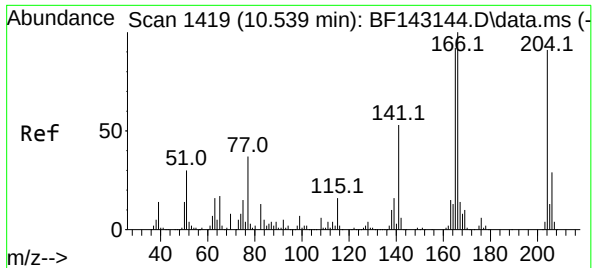
Tgt Ion:232 Resp: 195488
Ion Ratio Lower Upper
232 100
131 43.9 35.3 52.9
130 2.1 1.7 2.5
166 29.2 23.4 35.2



#60
Diethylphthalate
Concen: 40.297 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 745293
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.5 10.2 15.2

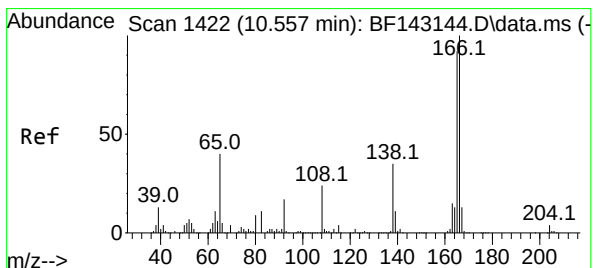
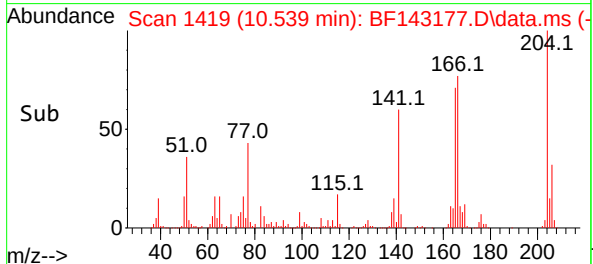
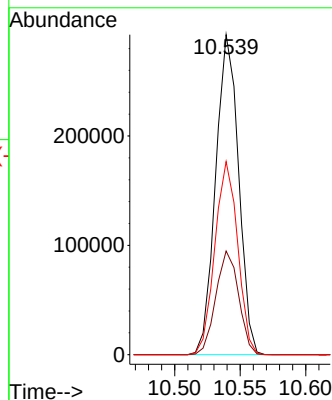
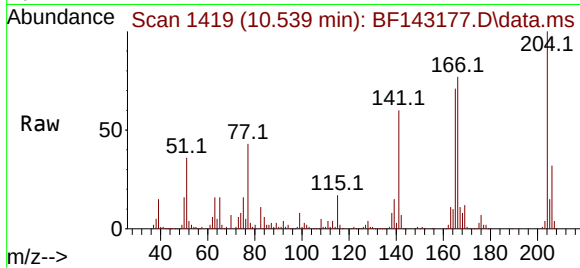




#61
4-Chlorophenyl-phenylether
Concen: 39.006 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

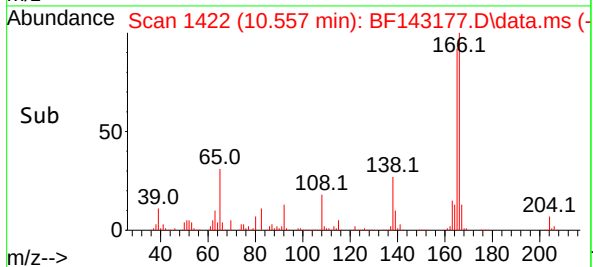
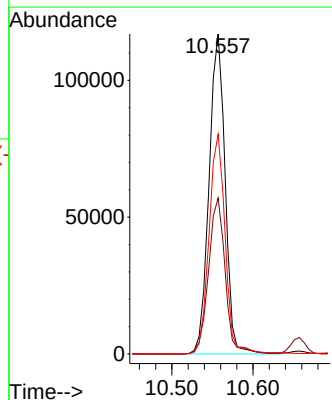
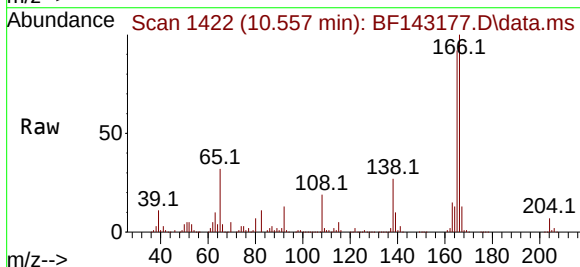
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

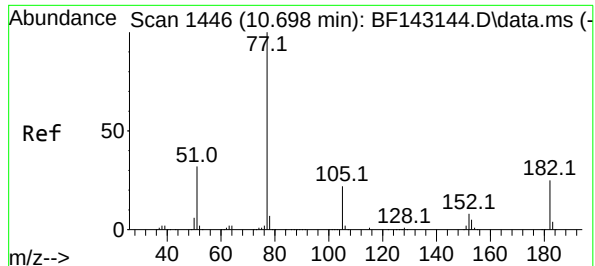
Tgt Ion:204 Resp: 355248
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 60.4 47.0 70.4



#62
4-Nitroaniline
Concen: 42.030 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:138 Resp: 160383
Ion Ratio Lower Upper
138 100
92 48.8 29.3 69.3
108 68.6 48.3 88.3

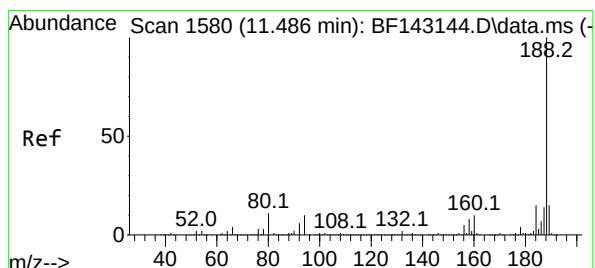
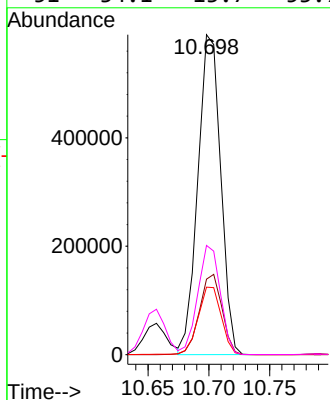
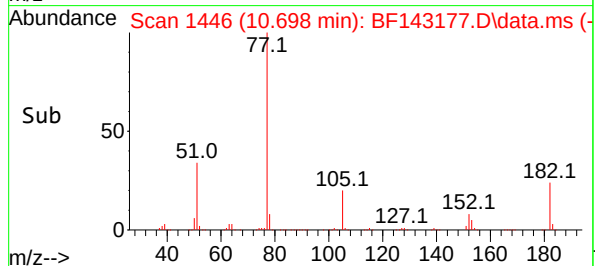
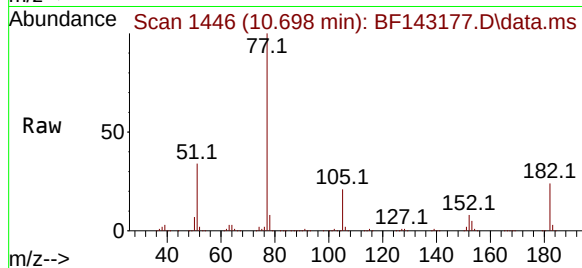




#63
Azobenzene
Concen: 39.955 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

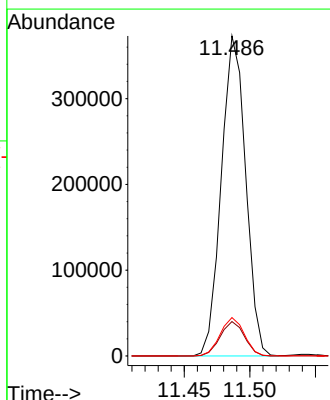
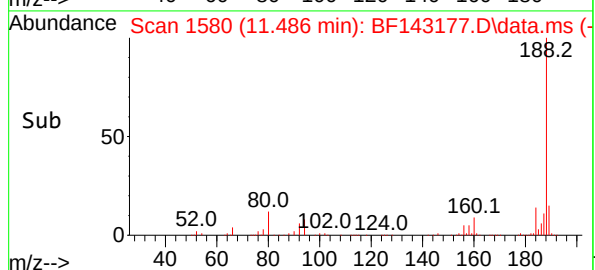
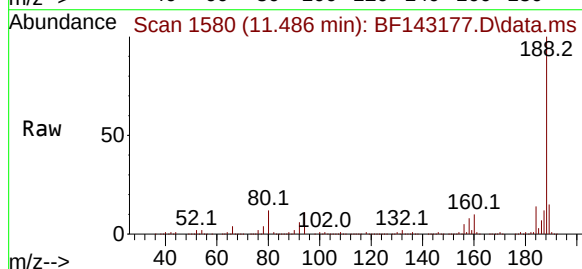
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

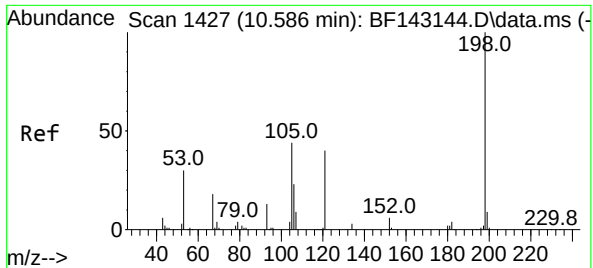
Tgt Ion:	77	Resp:	770158
Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.1	1.4	41.4
51	34.1	13.7	53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:	188	Resp:	481775
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	12.0	9.0	13.6

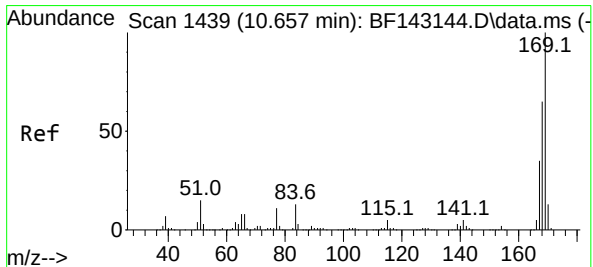
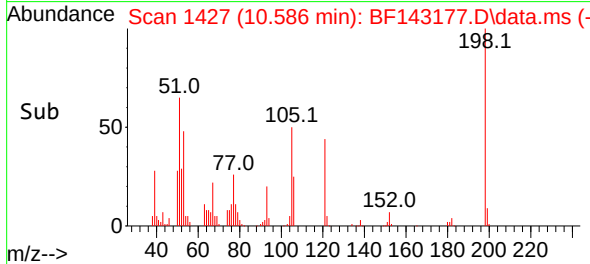
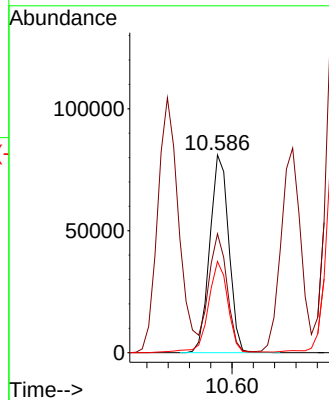
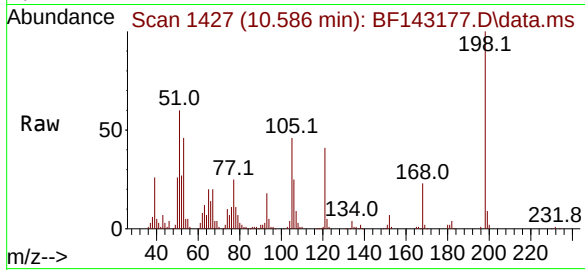




#65
4,6-Dinitro-2-methylphenol
Concen: 40.643 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

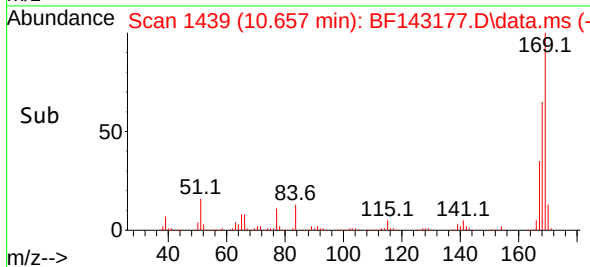
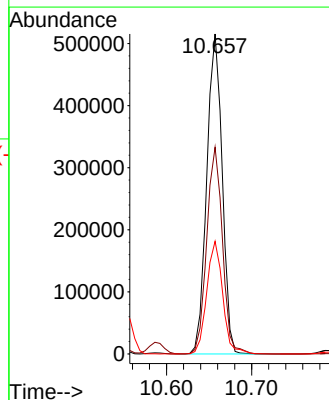
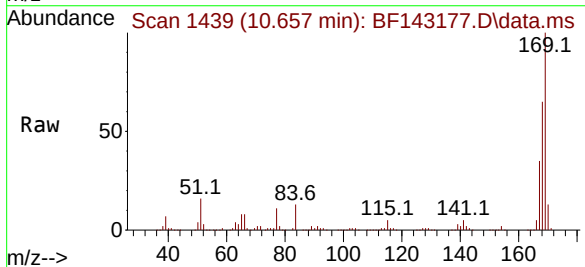
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

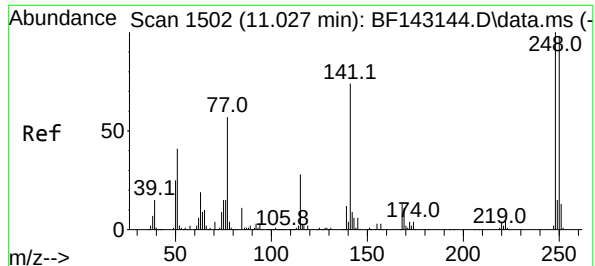
Tgt Ion:198 Resp: 100286
Ion Ratio Lower Upper
198 100
51 60.1 37.2 77.2
105 46.2 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.190 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:169 Resp: 647888
Ion Ratio Lower Upper
169 100
168 64.6 52.1 78.1
167 35.2 28.2 42.2

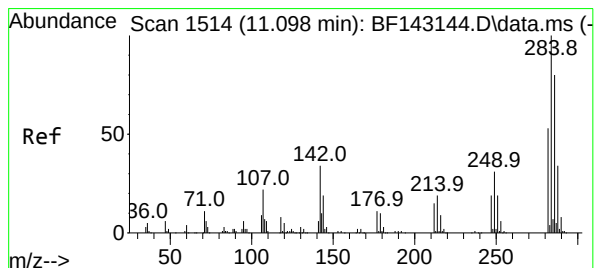
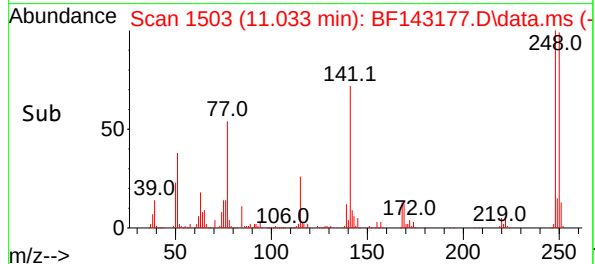
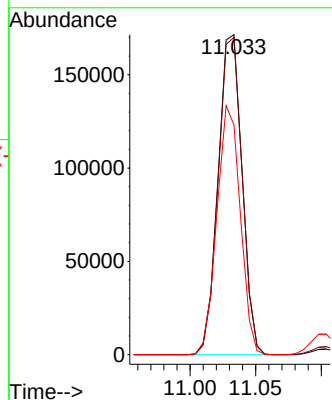
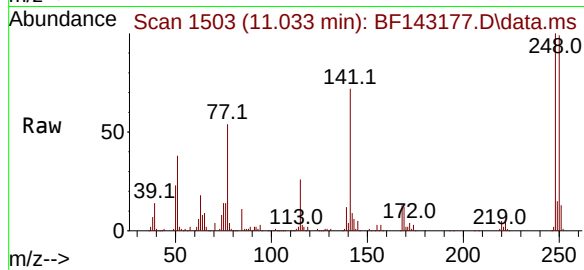




#67
4-Bromophenyl-phenylether
Concen: 37.943 ng
RT: 11.033 min Scan# 11033
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

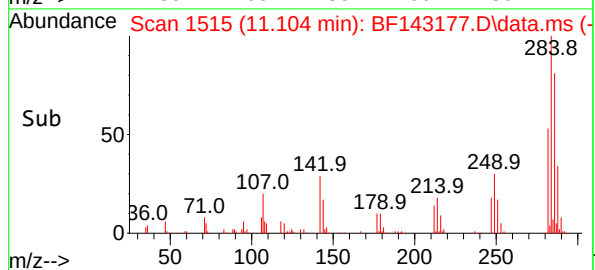
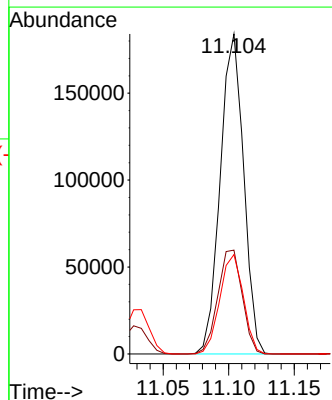
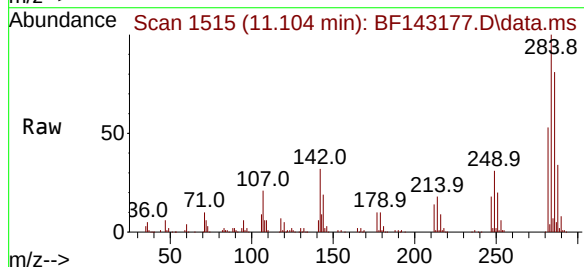
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

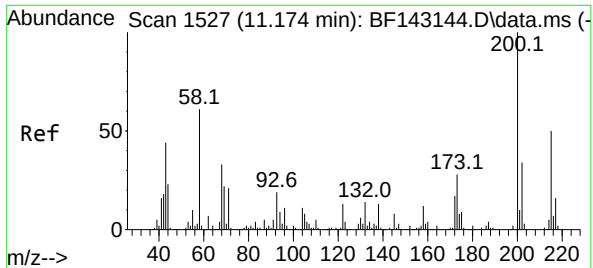
Tgt Ion:248 Resp: 217849
Ion Ratio Lower Upper
248 100
250 99.1 78.3 117.5
141 71.8 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.002 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:284 Resp: 228054
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 41.506 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

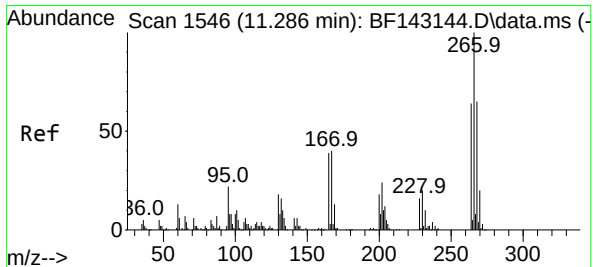
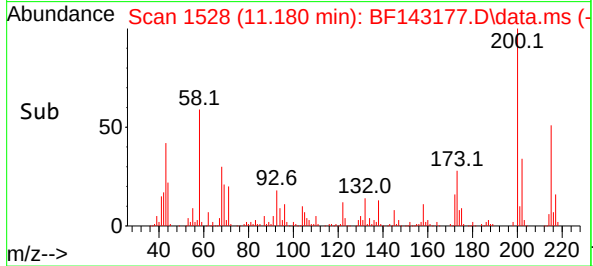
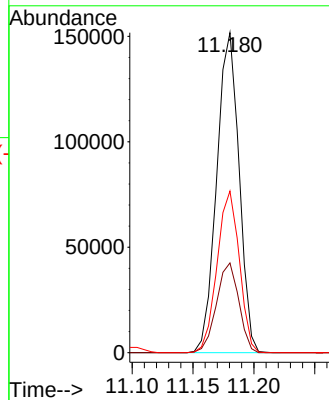
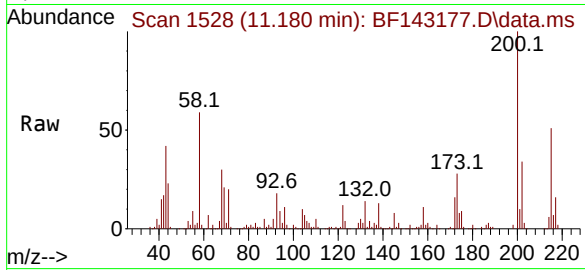
Tgt Ion:200 Resp: 194126

Ion Ratio Lower Upper

200 100

173 28.0 7.9 47.9

215 50.5 30.1 70.1



#70

Pentachlorophenol

Concen: 41.596 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

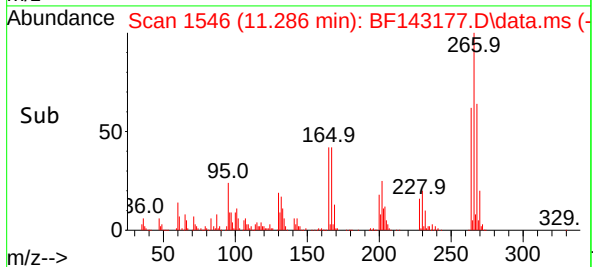
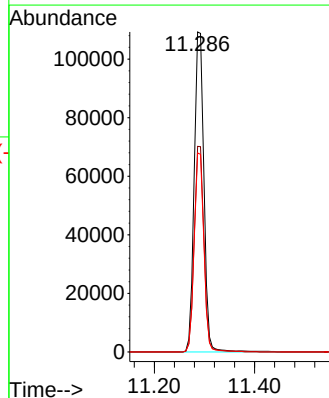
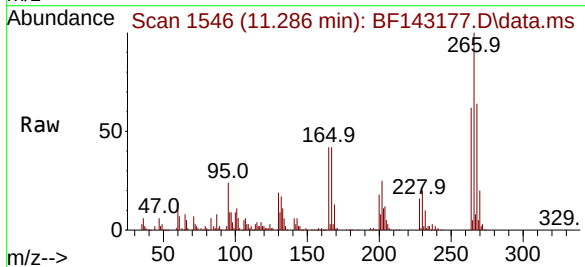
Tgt Ion:266 Resp: 146798

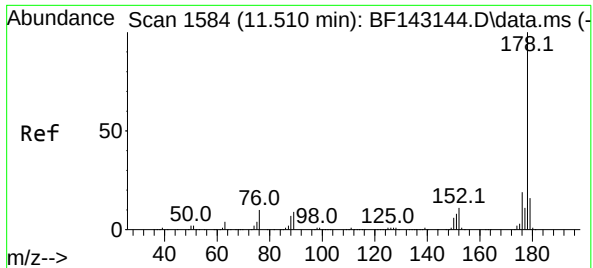
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 62.2 51.0 76.6

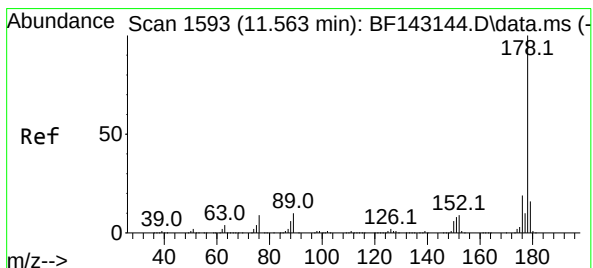
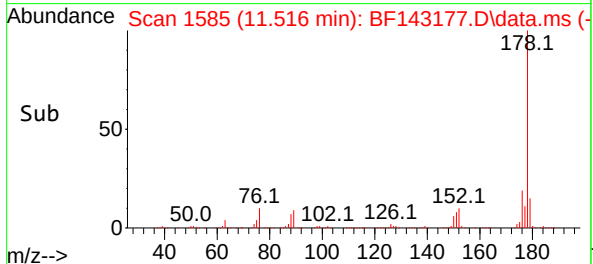
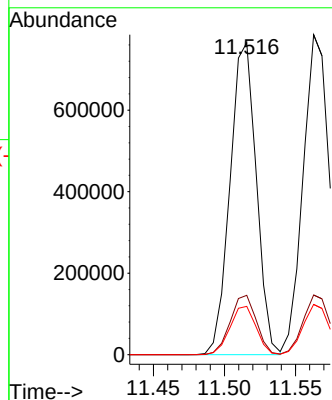
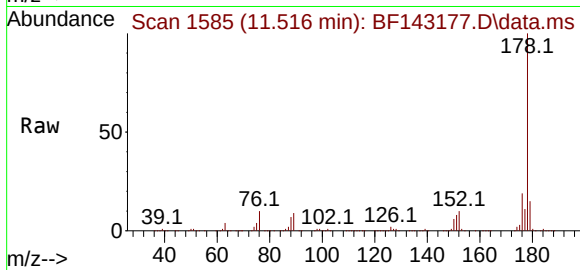




#71
Phenanthrene
Concen: 38.546 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

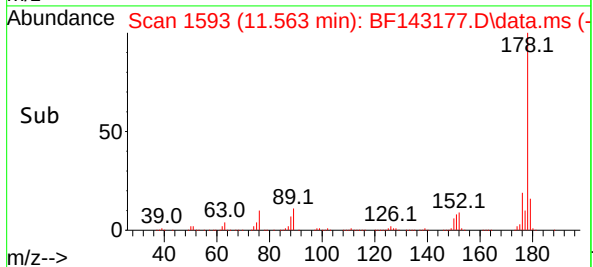
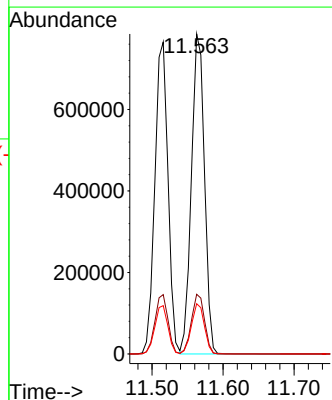
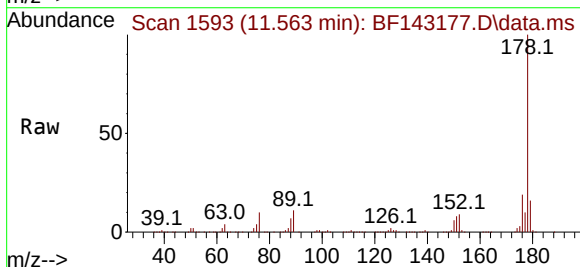
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

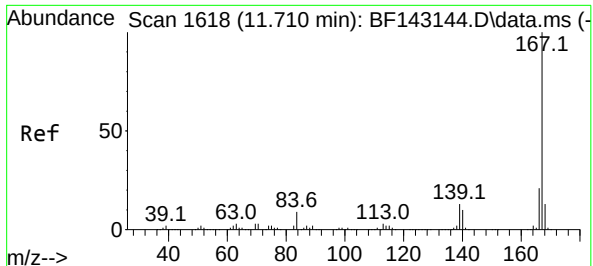
Tgt Ion:178 Resp: 986033
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 38.560 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:178 Resp: 1006010
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.5 18.7

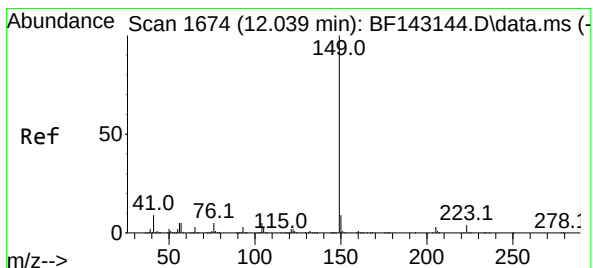
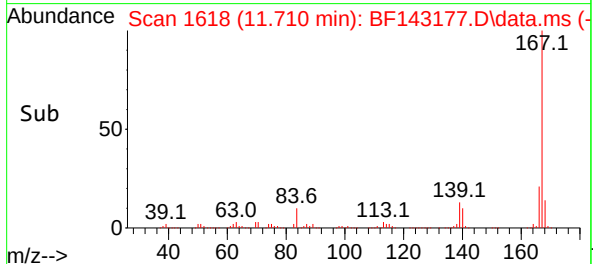
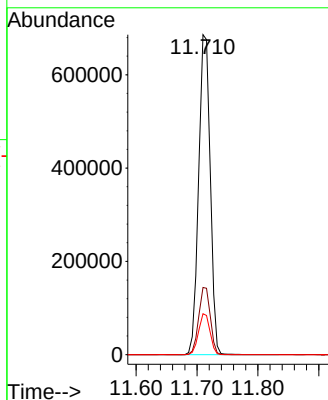
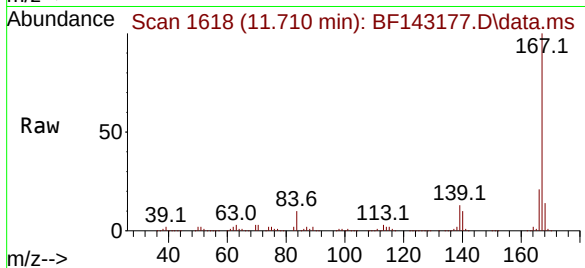




#73
Carbazole
Concen: 39.755 ng
RT: 11.710 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

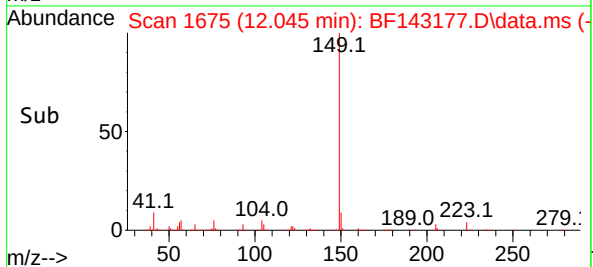
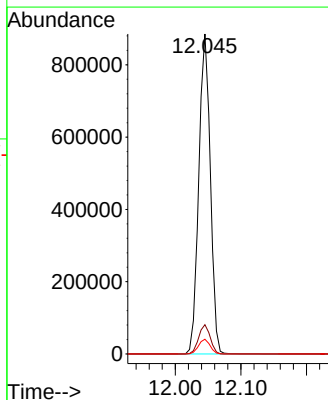
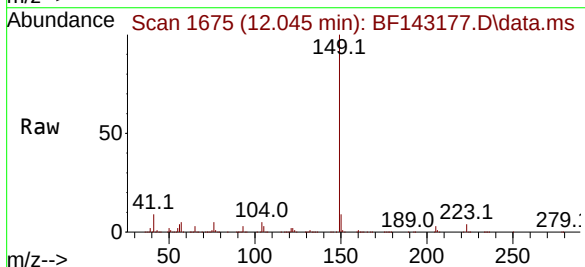
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

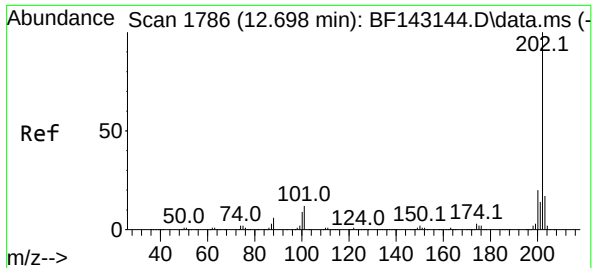
Tgt Ion:167 Resp: 905667
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.8 10.0 15.0



#74
Di-n-butylphthalate
Concen: 42.111 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 1085481
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.6 3.8 5.8

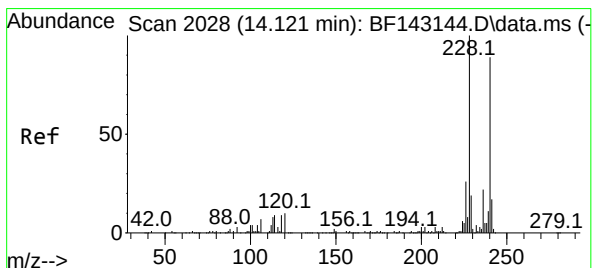
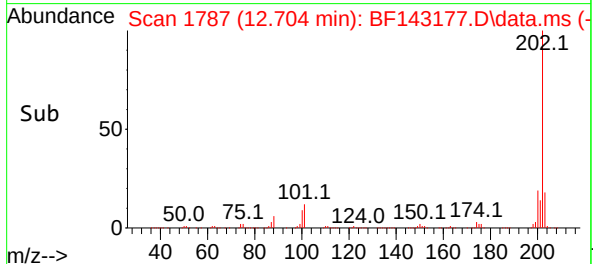
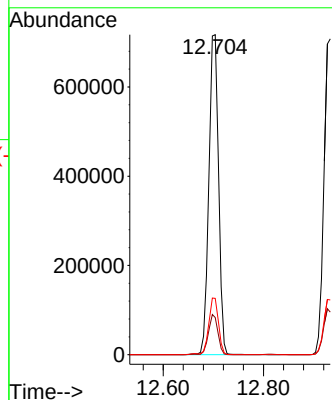
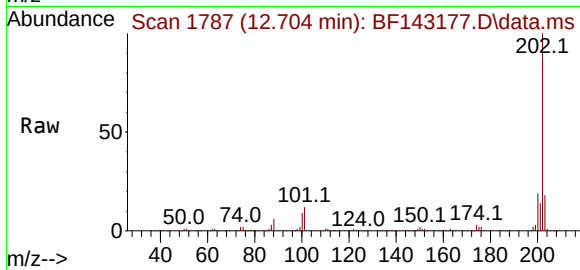




#75
Fluoranthene
Concen: 41.148 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

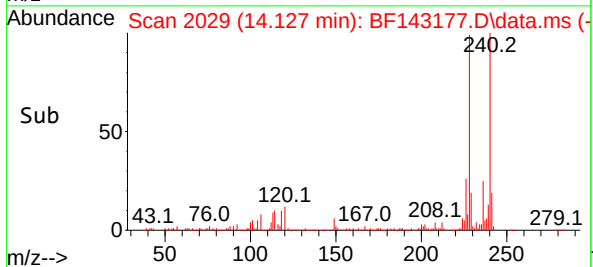
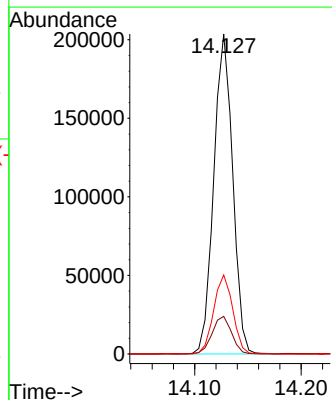
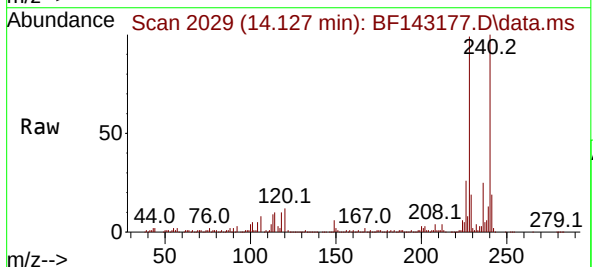
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

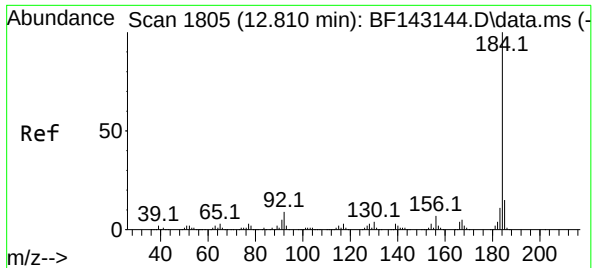
Tgt Ion:202 Resp: 966154
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:240 Resp: 251217
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 24.7 20.2 30.4

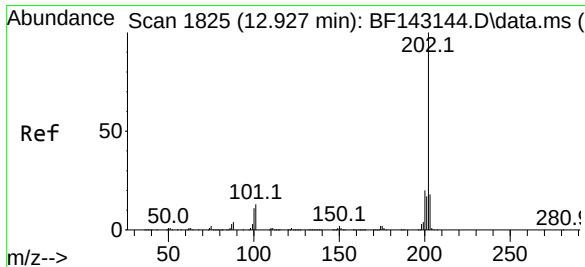
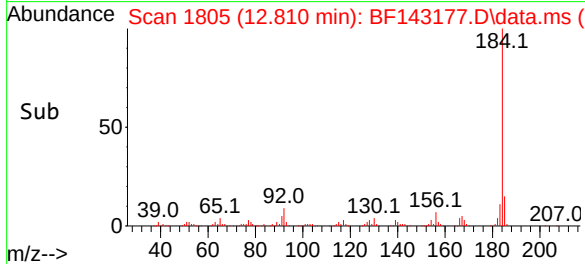
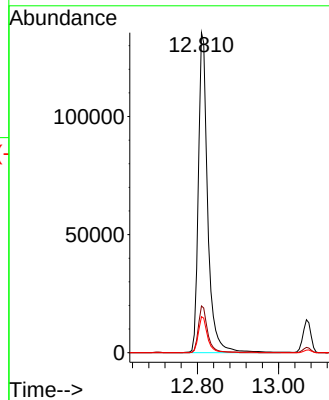
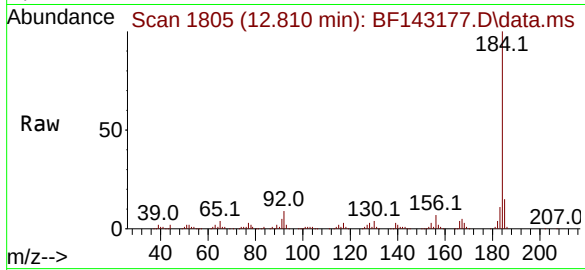




#77
Benzidine
Concen: 22.544 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

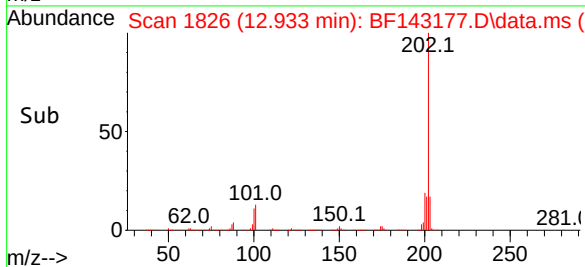
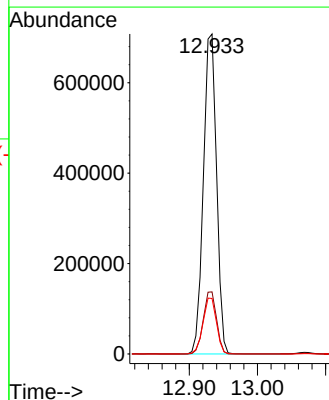
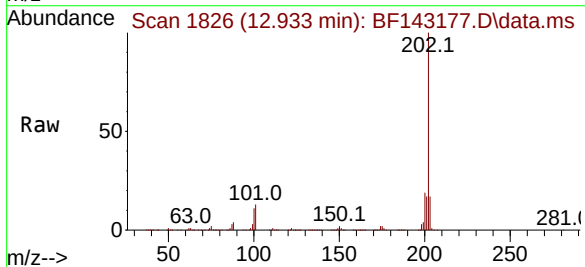
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

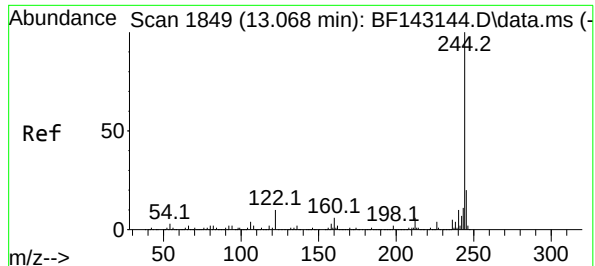
Tgt Ion:184 Resp: 218195
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.4
183 11.2 9.0 13.4



#78
Pyrene
Concen: 44.341 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:202 Resp: 950663
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 86.285 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

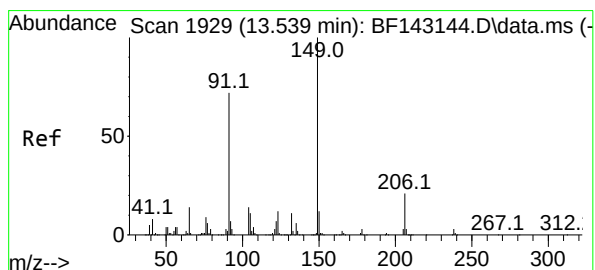
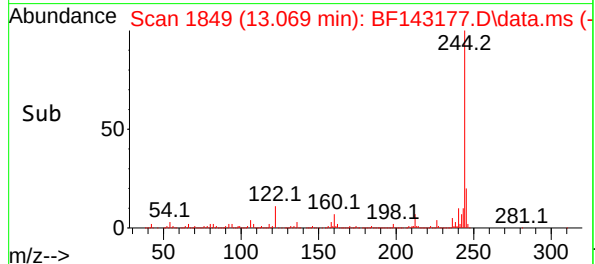
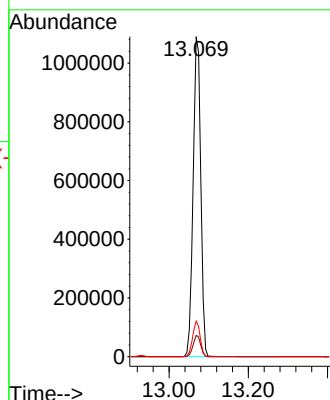
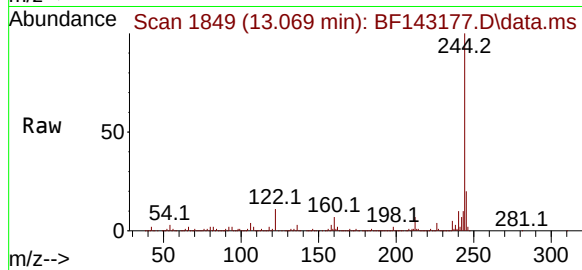
Tgt Ion:244 Resp: 1456637

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.491 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

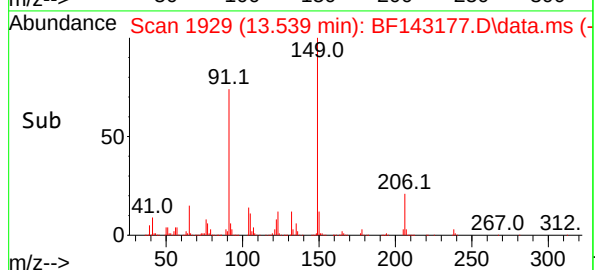
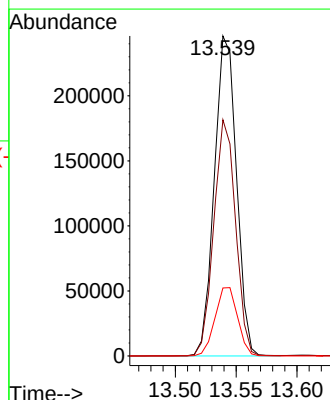
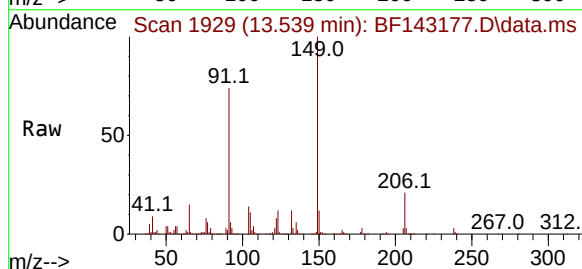
Tgt Ion:149 Resp: 311792

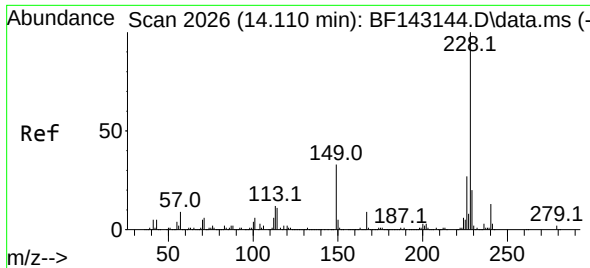
Ion Ratio Lower Upper

149 100

91 73.8 57.9 86.9

206 21.3 17.0 25.4

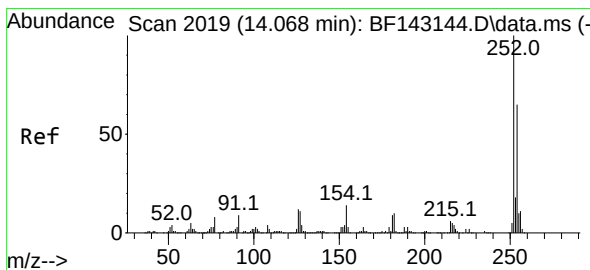
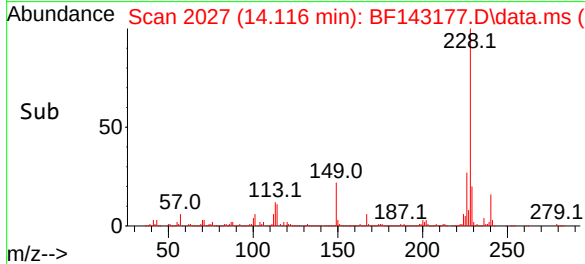
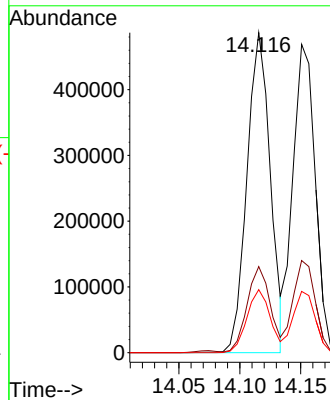
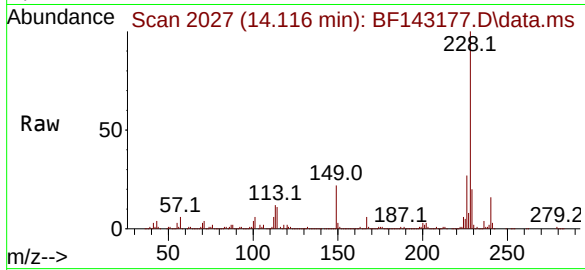




#81
Benzo(a)anthracene
Concen: 38.651 ng
RT: 14.116 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

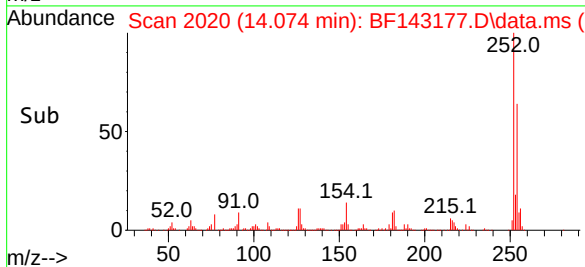
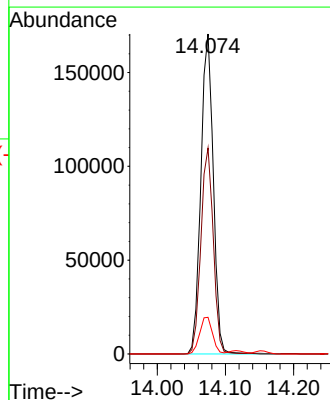
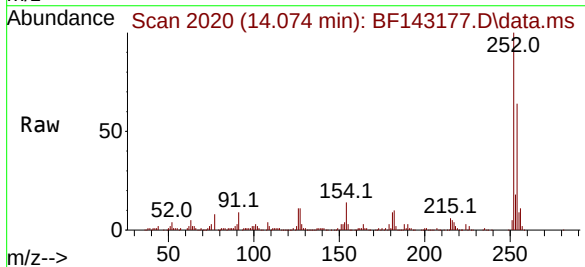
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

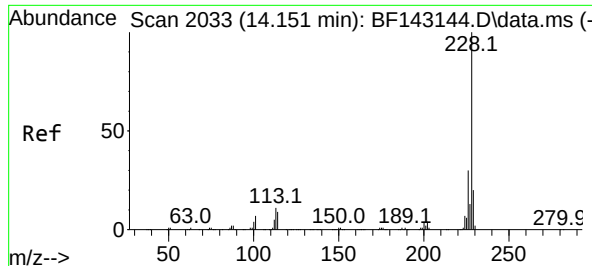
Tgt Ion:228 Resp: 650070
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.517 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:252 Resp: 215912
Ion Ratio Lower Upper
252 100
254 64.3 51.7 77.5
126 11.4 9.4 14.0





#83

Chrysene

Concen: 39.537 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

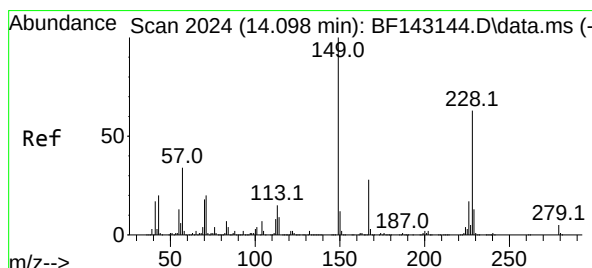
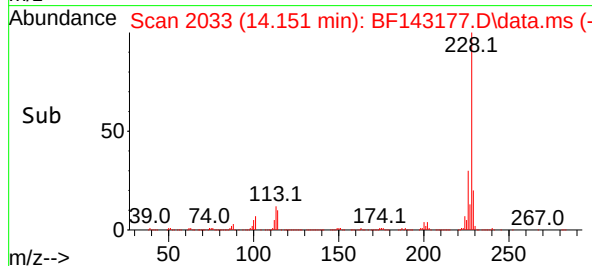
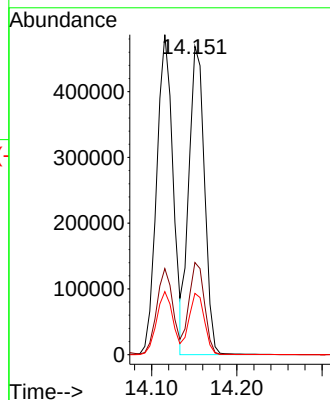
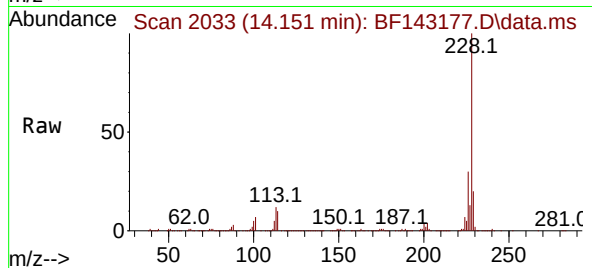
Tgt Ion:228 Resp: 597875

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.663 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

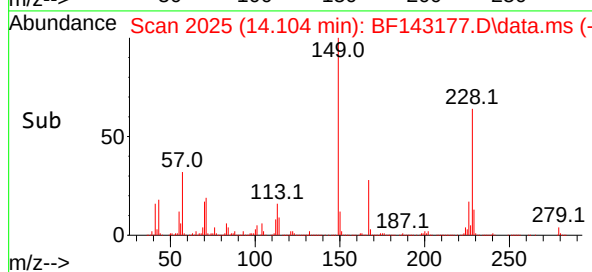
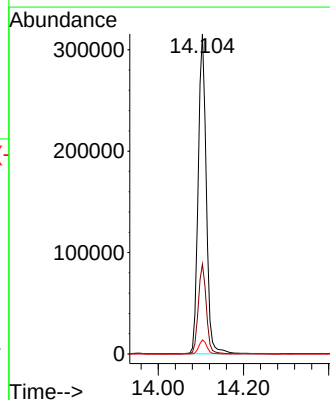
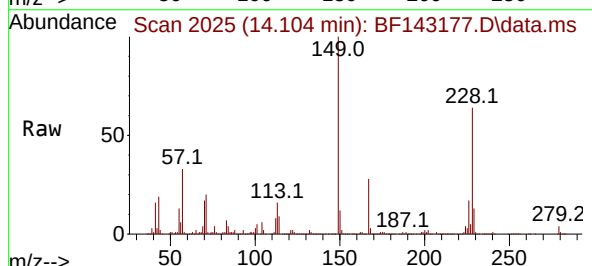
Tgt Ion:149 Resp: 414006

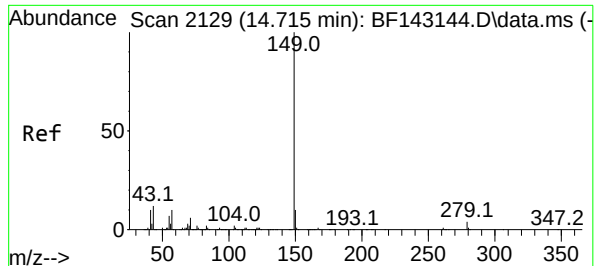
Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 38.026 ng

RT: 14.715 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

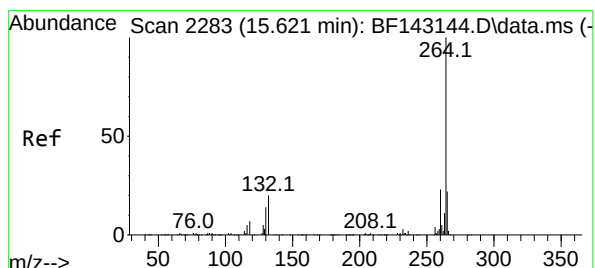
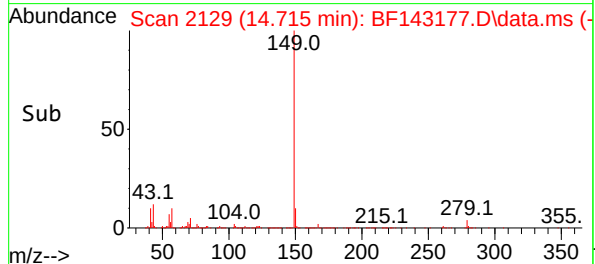
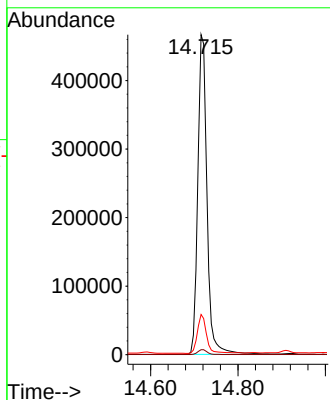
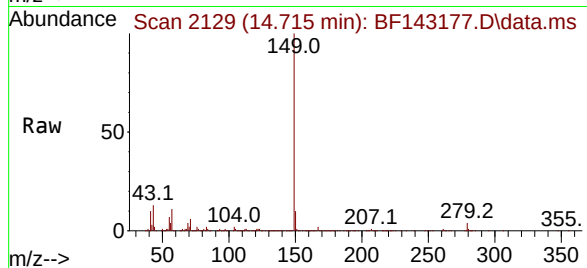
Tgt Ion:149 Resp: 684937

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.2 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

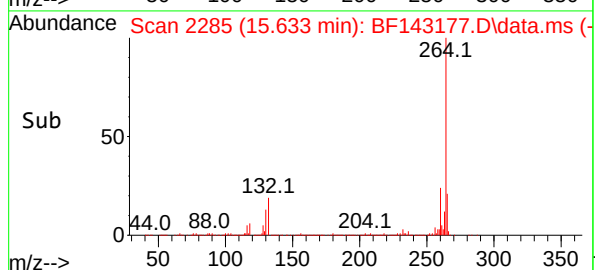
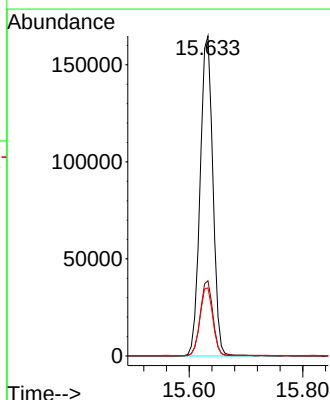
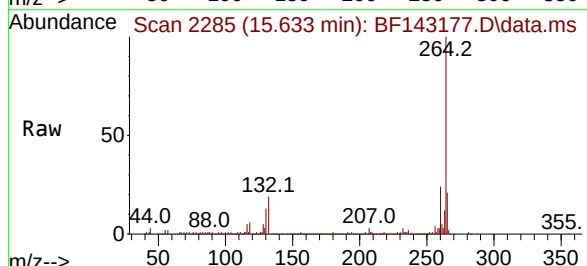
Tgt Ion:264 Resp: 256275

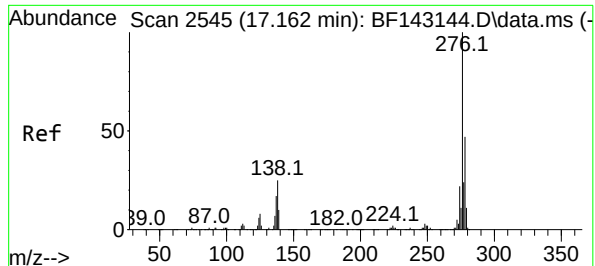
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 21.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.981 ng

RT: 17.174 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

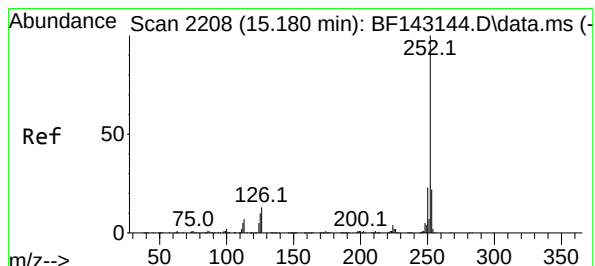
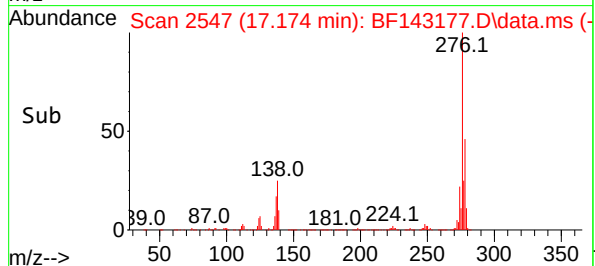
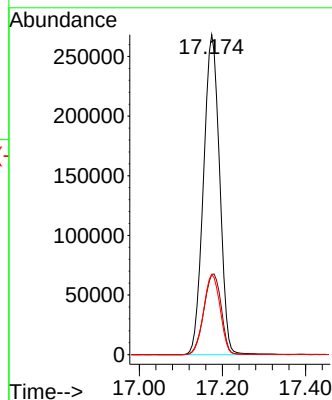
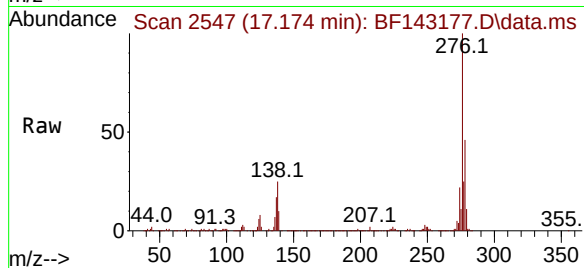
Tgt Ion:276 Resp: 722484

Ion Ratio Lower Upper

276 100

138 27.2 21.8 32.6

277 25.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.508 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

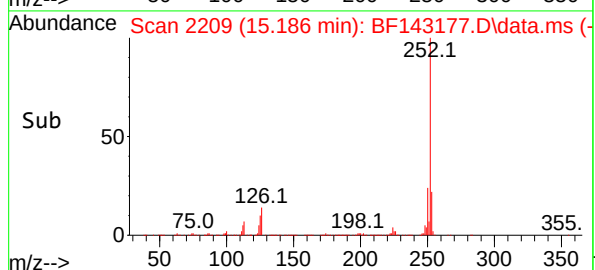
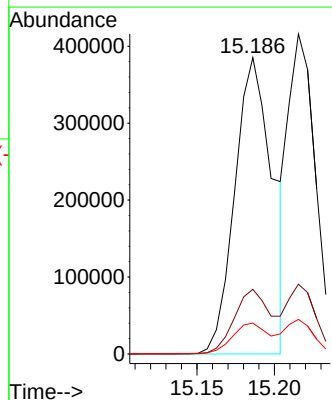
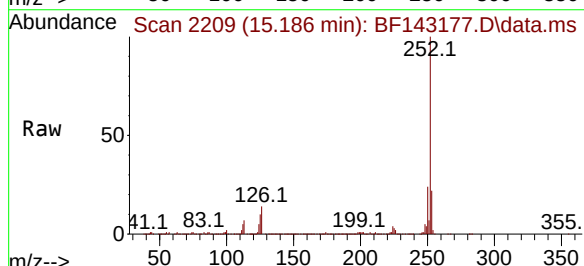
Tgt Ion:252 Resp: 649846

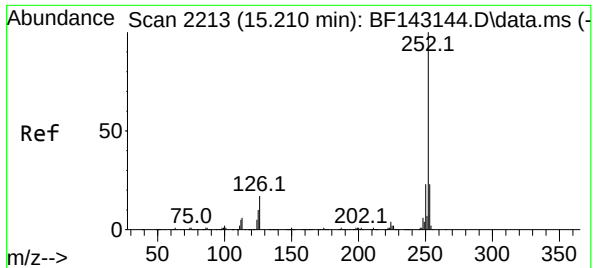
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 36.301 ng

RT: 15.215 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

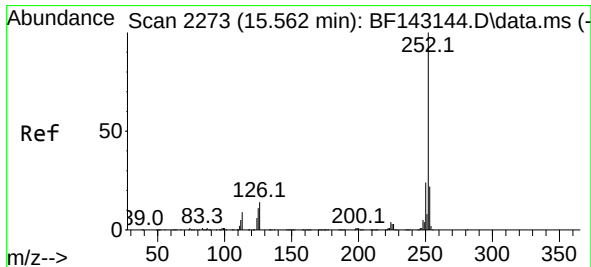
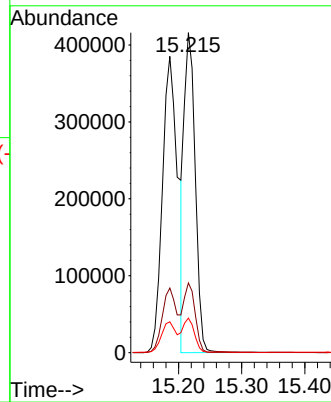
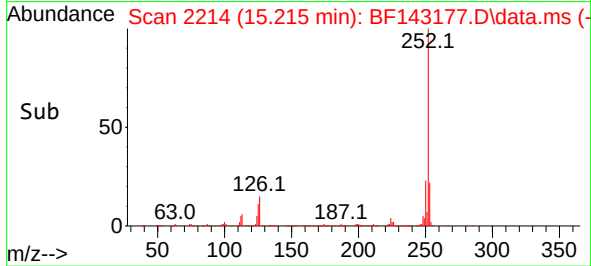
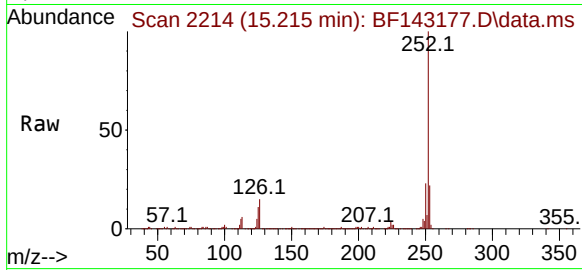
Tgt Ion:252 Resp: 507153

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.8 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.651 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

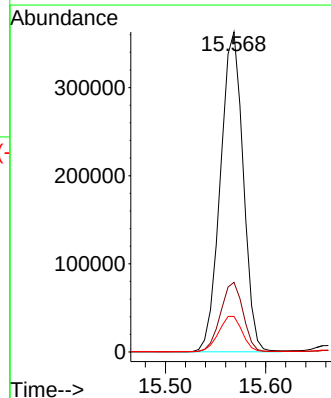
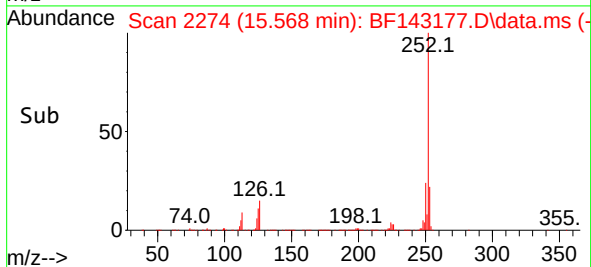
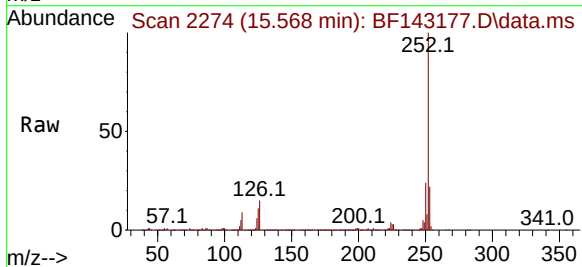
Tgt Ion:252 Resp: 571955

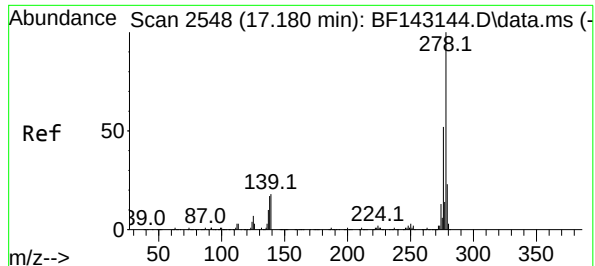
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 11.1 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 40.175 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

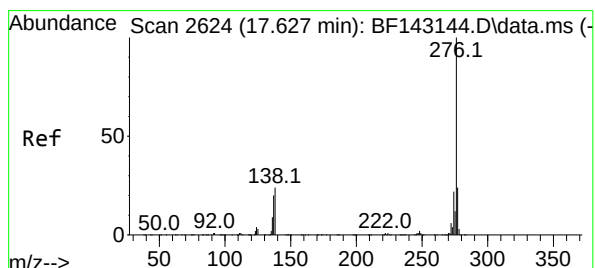
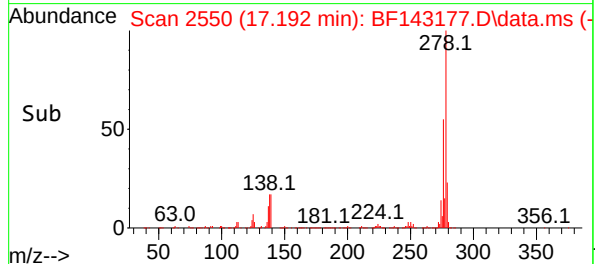
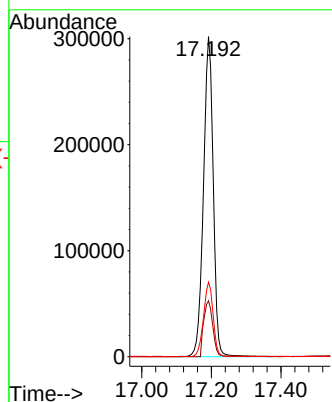
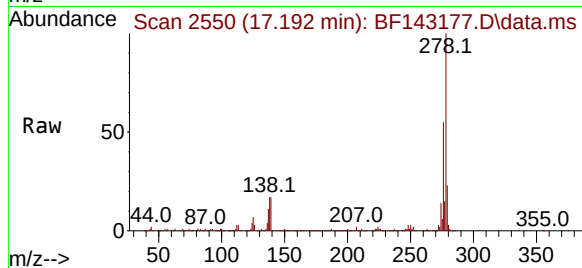
Tgt Ion:278 Resp: 590913

Ion Ratio Lower Upper

278 100

139 17.4 14.1 21.1

279 23.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 40.914 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143177.D

Acq: 22 Jul 2025 08:46

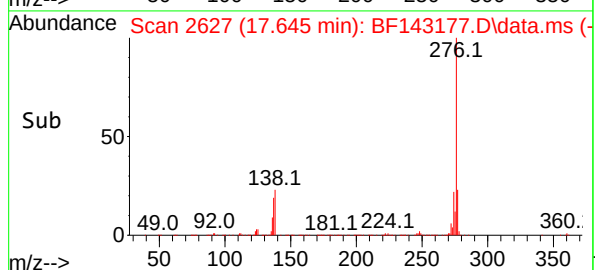
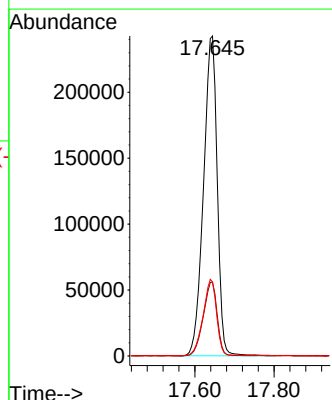
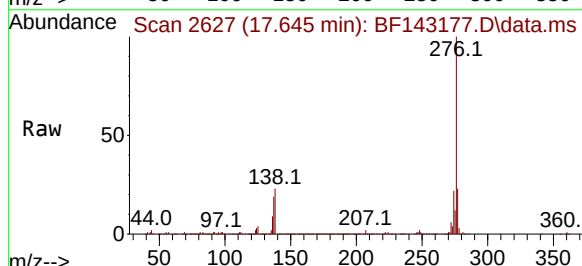
Tgt Ion:276 Resp: 582117

Ion Ratio Lower Upper

276 100

277 23.1 19.1 28.7

138 23.1 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
2	1,4-Dioxane	0.598	0.585	2.2	80	0.00
3	Pyridine	1.552	1.500	3.4	81	0.00
4	n-Nitrosodimethylamine	0.801	0.791	1.2	80	0.00
5 S	2-Fluorophenol	1.264	1.232	2.5	82	0.00
6	Aniline	2.217	2.172	2.0	81	0.00
7 S	Phenol-d6	1.591	1.553	2.4	82	0.00
8	2-Chlorophenol	1.325	1.316	0.7	83	0.00
9	Benzaldehyde	1.193	3.850	-222.7#	220#	0.00
10 C	Phenol	1.733	1.796	-3.6	86	0.00
11	bis(2-Chloroethyl)ether	1.327	1.294	2.5	82	0.00
12	1,3-Dichlorobenzene	1.439	1.406	2.3	83	0.00
13 C	1,4-Dichlorobenzene	1.449	1.428	1.4	83	0.00
14	1,2-Dichlorobenzene	1.378	1.362	1.2	84	0.00
15	Benzyl Alcohol	1.215	1.225	-0.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.438	0.9	83	0.00
17	2-Methylphenol	1.114	1.106	0.7	83	0.00
18	Hexachloroethane	0.502	0.506	-0.8	84	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.990	3.0	83	0.00
20	3+4-Methylphenols	1.351	1.380	-2.1	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22	Acetophenone	0.474	0.452	4.6	84	0.00
23 S	Nitrobenzene-d5	0.401	0.400	0.2	85	0.00
24	Nitrobenzene	0.374	0.373	0.3	84	0.00
25	Isophorone	0.708	0.698	1.4	85	0.00
26 C	2-Nitrophenol	0.162	0.172	-6.2	84	0.00
27	2,4-Dimethylphenol	0.331	0.323	2.4	84	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.411	3.3	84	0.00
29 C	2,4-Dichlorophenol	0.279	0.274	1.8	84	0.00
30	1,2,4-Trichlorobenzene	0.302	0.291	3.6	83	0.00
31	Naphthalene	0.985	0.952	3.4	84	0.00
32	Benzoic acid	0.169	0.194	-14.8	91	0.00
33	4-Chloroaniline	0.402	0.395	1.7	85	0.00
34 C	Hexachlorobutadiene	0.184	0.179	2.7	83	0.00
35	Caprolactam	0.084	0.092	-9.5	89	0.00
36 C	4-Chloro-3-methylphenol	0.303	0.304	-0.3	85	0.00
37	2-Methylnaphthalene	0.599	0.584	2.5	85	0.00
38	1-Methylnaphthalene	0.617	0.609	1.3	86	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.542	6.1	85	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.365	2.9	85	0.00
42 S	2,4,6-Tribromophenol	0.207	0.215	-3.9	88	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.387	3.3	87	0.00
44	2,4,5-Trichlorophenol	0.400	0.396	1.0	85	0.00
45 S	2-Fluorobiphenyl	1.462	1.361	6.9	87	0.00
46	1,1'-Biphenyl	1.560	1.485	4.8	86	0.00
47	2-Chloronaphthalene	1.155	1.099	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.362	0.383	-5.8	88	0.00
49	Acenaphthylene	1.935	1.864	3.7	87	0.00
50	Dimethylphthalate	1.304	1.287	1.3	87	0.00
51	2,6-Dinitrotoluene	0.265	0.284	-7.2	89	0.00
52 C	Acenaphthene	1.144	1.105	3.4	87	0.00
53	3-Nitroaniline	0.310	0.318	-2.6	87	0.00
54 P	2,4-Dinitrophenol	0.098	0.119	-21.4	99	0.00
55	Dibenzofuran	1.698	1.642	3.3	87	0.00
56 P	4-Nitrophenol	0.232	0.237	-2.2	84	0.00
57	2,4-Dinitrotoluene	0.333	0.363	-9.0	89	0.00
58	Fluorene	1.274	1.229	3.5	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.340	-2.7	89	0.00
60	Diethylphthalate	1.289	1.298	-0.7	88	0.00
61	4-Chlorophenyl-phenylether	0.635	0.619	2.5	87	0.00
62	4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63	Azobenzene	1.343	1.341	0.1	88	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.104	-10.6	95	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.672	4.5	89	0.00
67	4-Bromophenyl-phenylether	0.238	0.226	5.0	88	0.00
68	Hexachlorobenzene	0.249	0.237	4.8	88	0.00
69	Atrazine	0.194	0.201	-3.6	91	0.00
70 C	Pentachlorophenol	0.147	0.152	-3.4	91	0.00
71	Phenanthrene	1.062	1.023	3.7	89	0.00
72	Anthracene	1.083	1.044	3.6	89	0.00
73	Carbazole	0.946	0.940	0.6	90	0.00
74	Di-n-butylphthalate	1.070	1.127	-5.3	93	0.00
75 C	Fluoranthene	0.975	1.003	-2.9	93	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77	Benzidine	0.771	0.434	43.7#	39#	0.00
78	Pyrene	1.707	1.892	-10.8	93	0.00
79 S	Terphenyl-d14	1.344	1.450	-7.9	94	0.00
80	Butylbenzylphthalate	0.523	0.621	-18.7	97	0.00
81	Benzo(a)anthracene	1.339	1.294	3.4	86	0.00
82	3,3'-Dichlorobenzidine	0.446	0.430	3.6	85	0.00
83	Chrysene	1.204	1.190	1.2	84	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.824	-4.2	88	0.00
85 c	Di-n-octyl phthalate	1.434	1.363	5.0	84	0.00
86 I	Perylene-d12	1.000	1.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	1.410	1.410	0.0	79	0.01
88	Benzo(b)fluoranthene	1.222	1.268	-3.8	88	0.00
89	Benzo(k)fluoranthene	1.090	0.989	9.3	69	0.00
90 C	Benzo(a)pyrene	1.126	1.116	0.9	79	0.00
91	Dibenzo(a,h)anthracene	1.148	1.153	-0.4	80	0.01
92	Benzo(g,h,i)perylene	1.110	1.136	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	82	0.00
2	1,4-Dioxane	40.000	39.132	2.2	80	0.00
3	Pyridine	40.000	38.657	3.4	81	0.00
4	n-Nitrosodimethylamine	40.000	39.459	1.4	80	0.00
5 S	2-Fluorophenol	80.000	77.959	2.6	82	0.00
6	Aniline	40.000	39.186	2.0	81	0.00
7 S	Phenol-d6	80.000	78.075	2.4	82	0.00
8	2-Chlorophenol	40.000	39.740	0.6	83	0.00
9	Benzaldehyde	40.000	129.116	-222.8#	220	0.00
10 C	Phenol	40.000	41.450	-3.6	86	0.00
11	bis(2-Chloroethyl)ether	40.000	38.997	2.5	82	0.00
12	1,3-Dichlorobenzene	40.000	39.079	2.3	83	0.00
13 C	1,4-Dichlorobenzene	40.000	39.415	1.5	83	0.00
14	1,2-Dichlorobenzene	40.000	39.536	1.2	84	0.00
15	Benzyl Alcohol	40.000	40.325	-0.8	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.617	1.0	83	0.00
17	2-Methylphenol	40.000	39.715	0.7	83	0.00
18	Hexachloroethane	40.000	40.337	-0.8	84	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.818	3.0	83	0.00
20	3+4-Methylphenols	40.000	40.856	-2.1	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22	Acetophenone	40.000	38.166	4.6	84	0.00
23 S	Nitrobenzene-d5	80.000	79.820	0.2	85	0.00
24	Nitrobenzene	40.000	39.931	0.2	84	0.00
25	Isophorone	40.000	39.403	1.5	85	0.00
26 C	2-Nitrophenol	40.000	42.420	-6.1	84	0.00
27	2,4-Dimethylphenol	40.000	39.039	2.4	84	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.742	3.1	84	0.00
29 C	2,4-Dichlorophenol	40.000	39.284	1.8	84	0.00
30	1,2,4-Trichlorobenzene	40.000	38.597	3.5	83	0.00
31	Naphthalene	40.000	38.661	3.3	84	0.00
32	Benzoic acid	40.000	42.399	-6.0	91	0.00
33	4-Chloroaniline	40.000	39.296	1.8	85	0.00
34 C	Hexachlorobutadiene	40.000	38.797	3.0	83	0.00
35	Caprolactam	40.000	43.497	-8.7	89	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.031	-0.1	85	0.00
37	2-Methylnaphthalene	40.000	38.948	2.6	85	0.00
38	1-Methylnaphthalene	40.000	39.448	1.4	86	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.530	6.2	85	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.857	2.9	85	0.00
42 S	2,4,6-Tribromophenol	80.000	83.135	-3.9	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.716	3.2	87	0.00
44	2,4,5-Trichlorophenol	40.000	39.609	1.0	85	0.00
45 S	2-Fluorobiphenyl	80.000	74.477	6.9	87	0.00
46	1,1'-Biphenyl	40.000	38.059	4.9	86	0.00
47	2-Chloronaphthalene	40.000	38.067	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143177.D
 Acq On : 22 Jul 2025 08:46
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.277	-5.7	88	0.00
49	Acenaphthylene	40.000	38.541	3.6	87	0.00
50	Dimethylphthalate	40.000	39.501	1.2	87	0.00
51	2,6-Dinitrotoluene	40.000	42.869	-7.2	89	0.00
52 C	Acenaphthene	40.000	38.656	3.4	87	0.00
53	3-Nitroaniline	40.000	41.017	-2.5	87	0.00
54 P	2,4-Dinitrophenol	40.000	43.071	-7.7	99	0.00
55	Dibenzofuran	40.000	38.679	3.3	87	0.00
56 P	4-Nitrophenol	40.000	41.010	-2.5	84	0.00
57	2,4-Dinitrotoluene	40.000	43.658	-9.1	89	0.00
58	Fluorene	40.000	38.582	3.5	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.130	-2.8	89	0.00
60	Diethylphthalate	40.000	40.297	-0.7	88	0.00
61	4-Chlorophenyl-phenylether	40.000	39.006	2.5	87	0.00
62	4-Nitroaniline	40.000	42.030	-5.1	86	0.00
63	Azobenzene	40.000	39.955	0.1	88	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.643	-1.6	95	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.190	4.5	89	0.00
67	4-Bromophenyl-phenylether	40.000	37.943	5.1	88	0.00
68	Hexachlorobenzene	40.000	38.002	5.0	88	0.00
69	Atrazine	40.000	41.506	-3.8	91	0.00
70 C	Pentachlorophenol	40.000	41.596	-4.0	91	0.00
71	Phenanthrene	40.000	38.546	3.6	89	0.00
72	Anthracene	40.000	38.560	3.6	89	0.00
73	Carbazole	40.000	39.755	0.6	90	0.00
74	Di-n-butylphthalate	40.000	42.111	-5.3	93	0.00
75 C	Fluoranthene	40.000	41.148	-2.9	93	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77	Benzydine	40.000	22.544	43.6#	39	0.00
78	Pyrene	40.000	44.341	-10.9	93	0.00
79 S	Terphenyl-d14	80.000	86.285	-7.9	94	0.00
80	Butylbenzylphthalate	40.000	47.491	-18.7	97	0.00
81	Benzo(a)anthracene	40.000	38.651	3.4	86	0.00
82	3,3'-Dichlorobenzidine	40.000	38.517	3.7	85	0.00
83	Chrysene	40.000	39.537	1.2	84	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.663	-4.2	88	0.00
85 c	Di-n-octyl phthalate	40.000	38.026	4.9	84	0.00
86 I	Perylene-d12	20.000	20.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.981	0.0	79	0.01
88	Benzo(b)fluoranthene	40.000	41.508	-3.8	88	0.00
89	Benzo(k)fluoranthene	40.000	36.301	9.2	69	0.00
90 C	Benzo(a)pyrene	40.000	39.651	0.9	79	0.00
91	Dibenzo(a,h)anthracene	40.000	40.175	-0.4	80	0.01
92	Benzo(g,h,i)perylene	40.000	40.914	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2651</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 14:33</u>
Lab File ID:	<u>BF143210.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.243		-1.7	
Benzaldehyde	1.193	1.066		-10.6	
Phenol-d6	1.591	1.523		-4.3	
Phenol	1.733	1.726		-0.4	20.0
bis(2-Chloroethyl)ether	1.327	1.254		-5.5	
2-Chlorophenol	1.325	1.298		-2.0	
2-Methylphenol	1.114	1.066		-4.3	
2,2-oxybis(1-Chloropropane)	2.461	2.315		-5.9	
Acetophenone	0.474	0.460		-3.0	
3+4-Methylphenols	1.351	1.319		-2.4	
n-Nitroso-di-n-propylamine	1.021	0.929	0.050	-9.0	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.669		-5.5	
2-Nitrophenol	0.162	0.179		10.5	20.0
2,4-Dimethylphenol	0.331	0.316		-4.5	
bis(2-Chloroethoxy)methane	0.425	0.401		-5.6	
2,4-Dichlorophenol	0.279	0.275		-1.4	20.0
Naphthalene	0.985	0.978		-0.7	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.189		2.7	20.0
Caprolactam	0.084	0.086		2.4	
4-Chloro-3-methylphenol	0.303	0.294		-3.0	20.0
2-Methylnaphthalene	0.599	0.593		-1.0	
Hexachlorocyclopentadiene	0.376	0.395	0.050	5.1	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.452		-0.7	
2,4,5-Trichlorophenol	0.400	0.402		0.5	
1,1-Biphenyl	1.560	1.539		-1.3	
2-Chloronaphthalene	1.155	1.124		-2.7	
2-Nitroaniline	0.362	0.373		3.0	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.886		-2.5	
2,6-Dinitrotoluene	0.265	0.272		2.6	
3-Nitroaniline	0.310	0.321		3.5	
Acenaphthene	1.144	1.132		-1.0	20.0
2,4-Dinitrophenol	0.098	0.121	0.050	23.5	
4-Nitrophenol	0.232	0.241	0.050	3.9	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: EARTH03
 Lab Code: ACE SDG No.: Q2651
 Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 14:33
 Lab File ID: BF143210.D Init. Calib. Date(s): 07/17/2025 07/17/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34
 GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.669		-1.7	
2,4-Dinitrotoluene	0.333	0.361		8.4	
Diethylphthalate	1.289	1.275		-1.1	
4-Chlorophenyl-phenylether	0.635	0.635		0.0	
Fluorene	1.274	1.270		-0.3	
4-Nitroaniline	0.266	0.288		8.3	
4,6-Dinitro-2-methylphenol	0.094	0.106		12.8	
n-Nitrosodiphenylamine	0.704	0.668		-5.1	20.0
2,4,6-Tribromophenol	0.207	0.202		-2.4	
4-Bromophenyl-phenylether	0.238	0.229		-3.8	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.194	0.204		5.2	
Pentachlorophenol	0.147	0.134		-8.8	20.0
Phenanthrene	1.062	1.044		-1.7	
Anthracene	1.083	1.077		-0.6	
Carbazole	0.946	0.981		3.7	
Di-n-butylphthalate	1.070	1.183		10.6	
Fluoranthene	0.975	1.087		11.5	20.0
Pyrene	1.707	1.483		-13.1	
Terphenyl-d14	1.344	1.178		-12.4	
Butylbenzylphthalate	0.523	0.616		17.8	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo (a) anthracene	1.339	1.274		-4.9	
Chrysene	1.204	1.200		-0.3	
Bis(2-ethylhexyl)phthalate	0.791	0.860		8.7	
Di-n-octyl phthalate	1.434	1.441		0.5	20.0
Benzo (b) fluoranthene	1.222	1.277		4.5	
Benzo (k) fluoranthene	1.090	0.998		-8.4	
Benzo (a) pyrene	1.126	1.108		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.357		-3.8	
Dibenzo (a,h) anthracene	1.148	1.110		-3.3	
Benzo (g,h,i) perylene	1.110	1.097		-1.2	
1,2,4,5-Tetrachlorobenzene	0.577	0.577		0.0	
1,4-Dioxane	0.598	0.584		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.297		-10.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	97351	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	364498	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	187438	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	309922	20.000	ng	0.00
76) Chrysene-d12	14.121	240	228057	20.000	ng	0.00
86) Perylene-d12	15.627	264	245226	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	484136	78.697	ng	0.00
7) Phenol-d6	6.592	99	593088	76.594	ng	0.00
23) Nitrobenzene-d5	7.522	82	594723	81.332	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	151520	78.251	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1088775	79.441	ng	0.00
79) Terphenyl-d14	13.063	244	1074970	70.144	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.799	88	113651	39.043	ng	98
3) Pyridine	3.575	79	283334	37.501	ng	98
4) n-Nitrosodimethylamine	3.510	42	151578	38.857	ng	97
6) Aniline	6.628	93	402849	37.330	ng	99
8) 2-Chlorophenol	6.751	128	252794	39.203	ng	97
9) Benzaldehyde	6.510	77	207569	35.749	ng	98
10) Phenol	6.604	94	336045	39.837	ng	97
11) bis(2-Chloroethyl)ether	6.692	93	244219	37.812	ng	99
12) 1,3-Dichlorobenzene	6.910	146	281071	40.124	ng	98
13) 1,4-Dichlorobenzene	6.981	146	280709	39.792	ng	99
14) 1,2-Dichlorobenzene	7.134	146	269162	40.116	ng	99
15) Benzyl Alcohol	7.098	79	228448	38.639	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	450642	37.612	ng	99
17) 2-Methylphenol	7.210	107	207561	38.282	ng	99
18) Hexachloroethane	7.481	117	100851	41.296	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	180795	36.393	ng	98
20) 3+4-Methylphenols	7.363	107	256887	39.051	ng	# 77
22) Acetophenone	7.369	105	335287	38.853	ng	# 99
24) Nitrobenzene	7.539	77	274884	40.321	ng	99
25) Isophorone	7.781	82	487827	37.791	ng	98
26) 2-Nitrophenol	7.857	139	130397	44.072	ng	99
27) 2,4-Dimethylphenol	7.892	122	230195	38.169	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	292069	37.737	ng	99
29) 2,4-Dichlorophenol	8.098	162	200347	39.391	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	223983	40.763	ng	100
31) Naphthalene	8.269	128	713073	39.723	ng	99
32) Benzoic acid	7.986	122	138803	41.627	ng	98
33) 4-Chloroaniline	8.310	127	280428	38.259	ng	99
34) Hexachlorobutadiene	8.386	225	137489	40.960	ng	99
35) Caprolactam	8.663	113	62853	40.895	ng	99
36) 4-Chloro-3-methylphenol	8.786	107	214294	38.764	ng	97
37) 2-Methylnaphthalene	8.957	142	432353	39.580	ng	100
38) 1-Methylnaphthalene	9.057	142	448502	39.872	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	216223	39.956	ng	99
41) Hexachlorocyclopentadiene	9.116	237	148176	42.082	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	144660	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

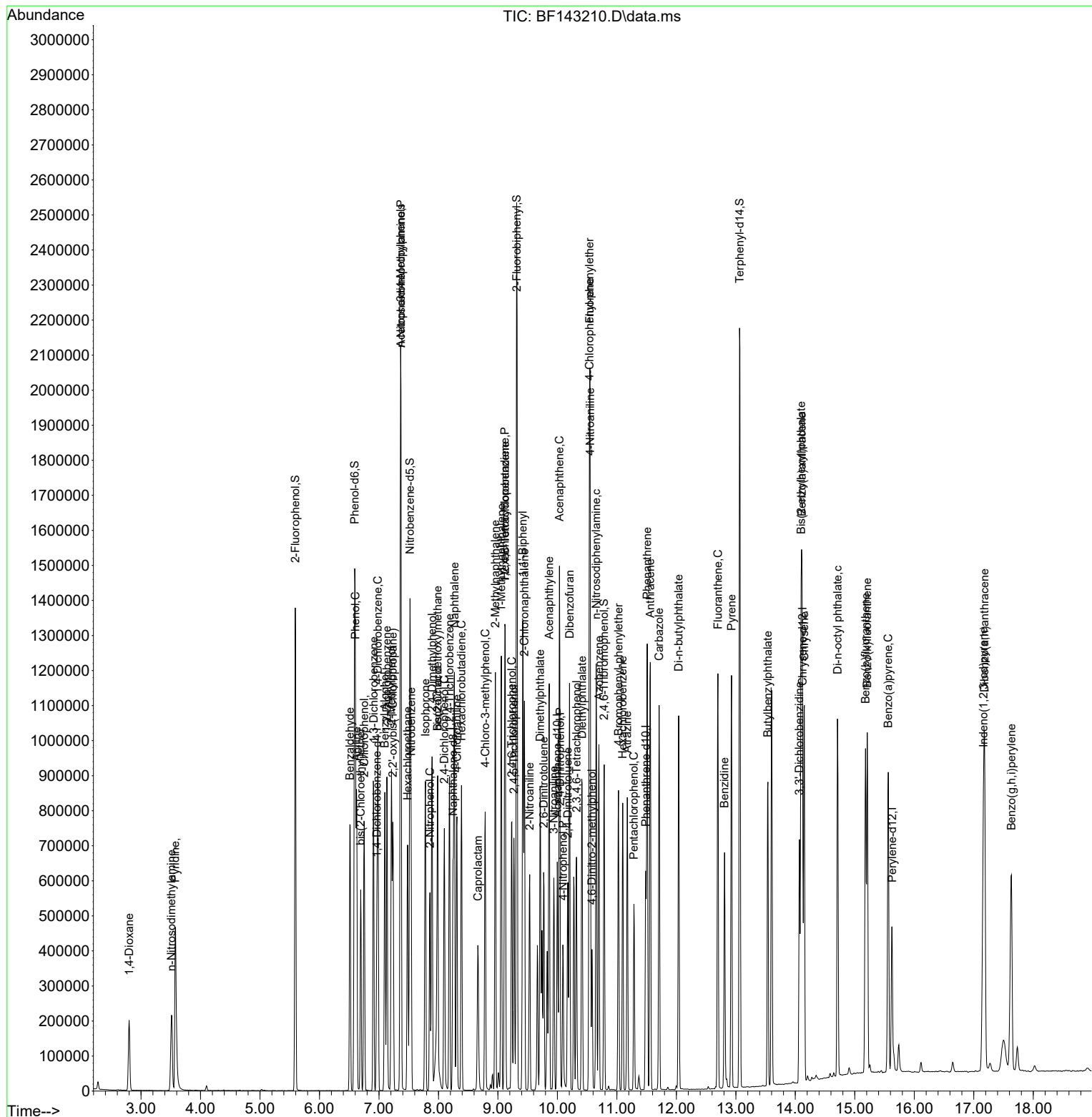
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	150645	40.211	ng	98
46) 1,1'-Biphenyl	9.416	154	576976	39.454	ng	100
47) 2-Chloronaphthalene	9.445	162	421533	38.957	ng	99
48) 2-Nitroaniline	9.533	65	139765	41.188	ng	99
49) Acenaphthylene	9.863	152	707016	38.989	ng	100
50) Dimethylphthalate	9.710	163	482643	39.503	ng	100
51) 2,6-Dinitrotoluene	9.769	165	101938	41.014	ng	96
52) Acenaphthene	10.033	154	424478	39.605	ng	99
53) 3-Nitroaniline	9.939	138	120421	41.423	ng	98
54) 2,4-Dinitrophenol	10.045	184	45389	43.601	ng #	50
55) Dibenzofuran	10.204	168	625794	39.327	ng	100
56) 4-Nitrophenol	10.092	139	90214	41.556	ng	97
57) 2,4-Dinitrotoluene	10.175	165	135422	43.429	ng	96
58) Fluorene	10.545	166	476175	39.871	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	111208	35.835	ng	98
60) Diethylphthalate	10.416	149	478128	39.593	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	238049	40.030	ng	98
62) 4-Nitroaniline	10.551	138	108074	43.376	ng	99
63) Azobenzene	10.698	77	489180	38.867	ng	99
65) 4,6-Dinitro-2-methylph...	10.580	198	65757	41.322	ng	94
66) n-Nitrosodiphenylamine	10.651	169	413888	37.925	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	142152	38.488	ng	99
68) Hexachlorobenzene	11.098	284	150979	39.109	ng	99
69) Atrazine	11.174	200	126687	42.107	ng	99
70) Pentachlorophenol	11.286	266	83028	36.572	ng	99
71) Phenanthrene	11.510	178	646817	39.306	ng	100
72) Anthracene	11.563	178	667319	39.761	ng	100
73) Carbazole	11.710	167	608177	41.500	ng	99
74) Di-n-butylphthalate	12.039	149	733248	44.219	ng	100
75) Fluoranthene	12.698	202	673881	44.615	ng	99
77) Benzidine	12.810	184	357711	40.712	ng	98
78) Pyrene	12.927	202	676567	34.761	ng	99
80) Butylbenzylphthalate	13.539	149	280954	47.140	ng	97
81) Benzo(a)anthracene	14.110	228	581201	38.065	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	196307	38.576	ng	100
83) Chrysene	14.151	228	547436	39.878	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	392081	43.463	ng	99
85) Di-n-octyl phthalate	14.710	149	657230	40.193	ng	99
87) Indeno(1,2,3-cd)pyrene	17.162	276	665501	38.487	ng	99
88) Benzo(b)fluoranthene	15.180	252	626496	41.819	ng	99
89) Benzo(k)fluoranthene	15.210	252	489587	36.623	ng	100
90) Benzo(a)pyrene	15.562	252	543505	39.377	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	544233	38.668	ng	99
92) Benzo(g,h,i)perylene	17.633	276	538105	39.524	ng	99

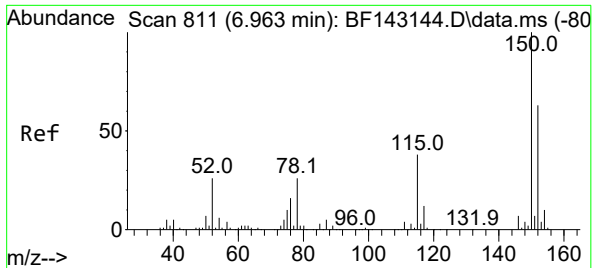
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Data File : BF143210.D
Acq On : 23 Jul 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

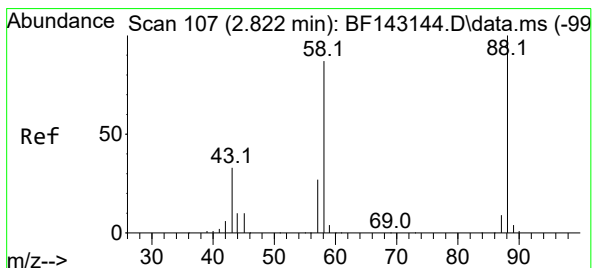
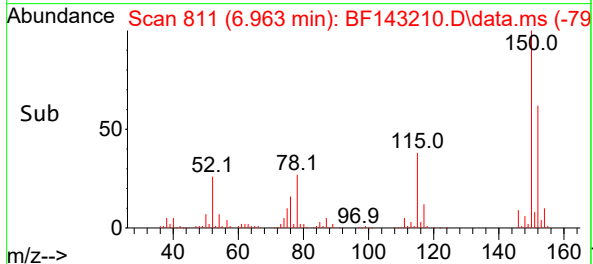
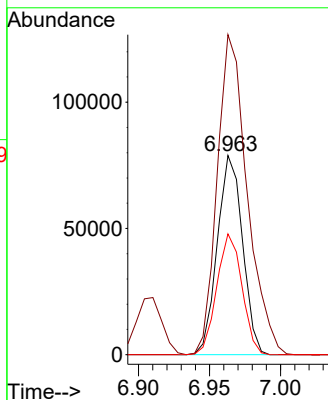
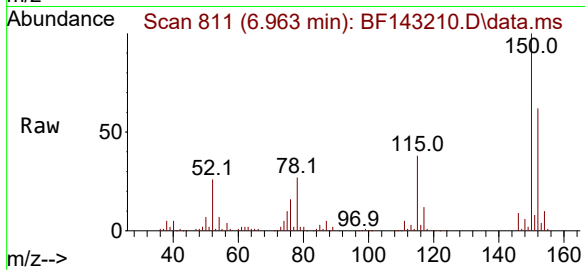




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143210.D
 Acq: 23 Jul 2025 14:33

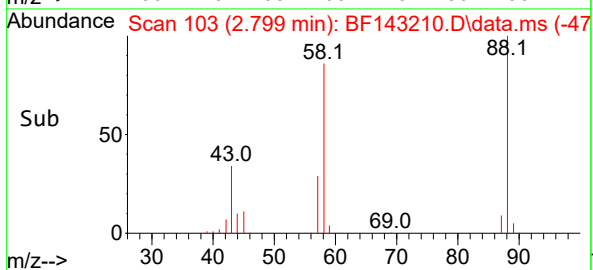
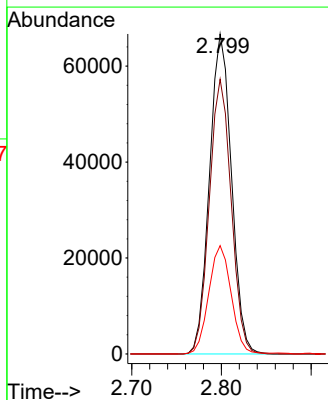
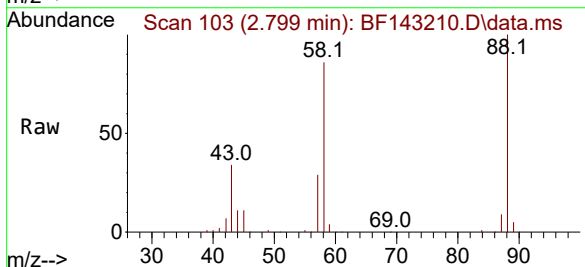
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

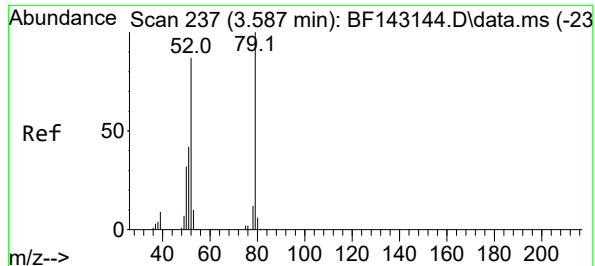
Tgt Ion:152 Resp: 97351
 Ion Ratio Lower Upper
 152 100
 150 160.7 128.2 192.4
 115 60.7 47.9 71.9



#2
 1,4-Dioxane
 Concen: 39.043 ng
 RT: 2.799 min Scan# 103
 Delta R.T. -0.024 min
 Lab File: BF143210.D
 Acq: 23 Jul 2025 14:33

Tgt Ion: 88 Resp: 113651
 Ion Ratio Lower Upper
 88 100
 58 85.3 70.2 105.2
 43 34.6 27.1 40.7





#3

Pyridine

Concen: 37.501 ng

RT: 3.575 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

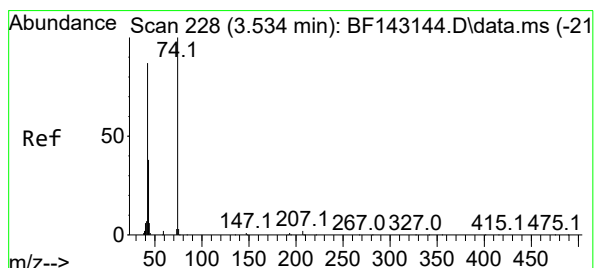
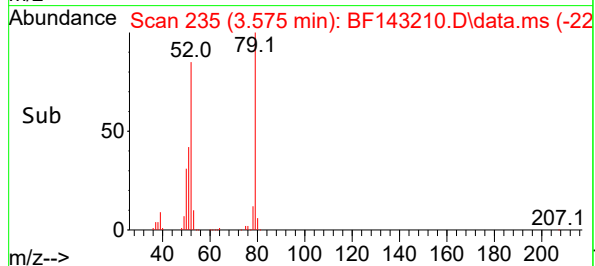
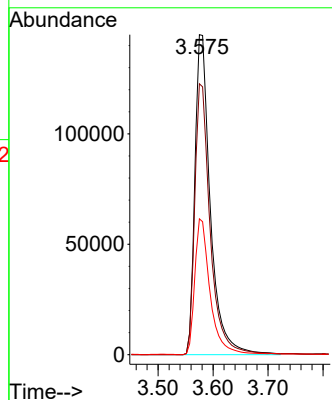
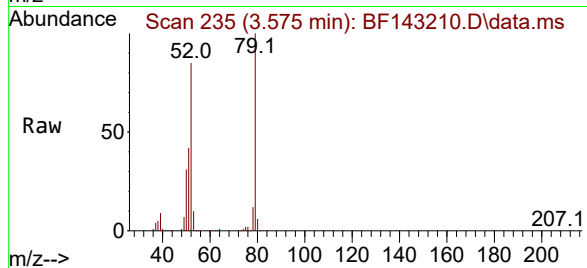
Tgt Ion: 79 Resp: 283334

Ion Ratio Lower Upper

79 100

52 84.7 69.4 104.2

51 42.4 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 38.857 ng

RT: 3.510 min Scan# 224

Delta R.T. -0.024 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

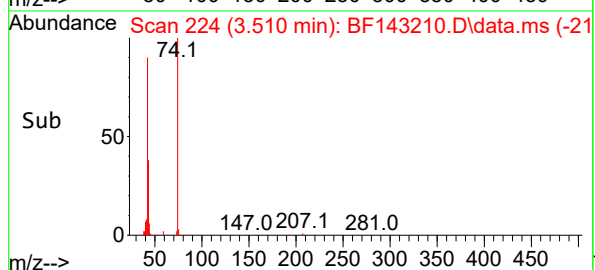
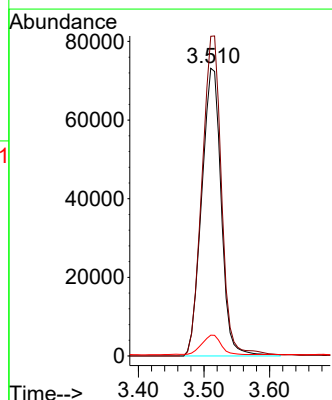
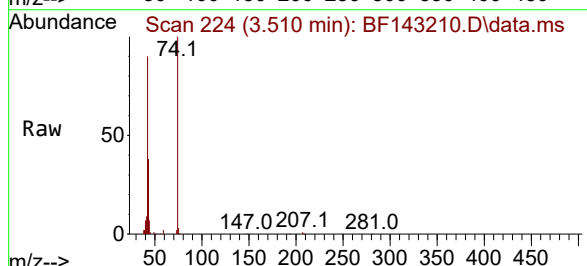
Tgt Ion: 42 Resp: 151578

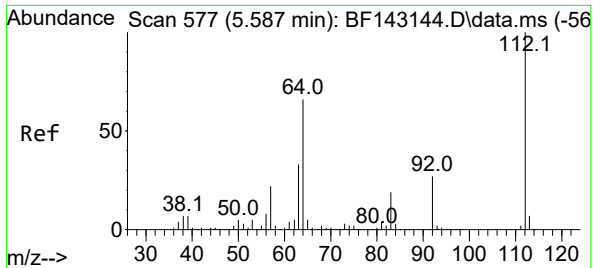
Ion Ratio Lower Upper

42 100

74 111.1 91.7 137.5

44 7.3 5.6 8.4

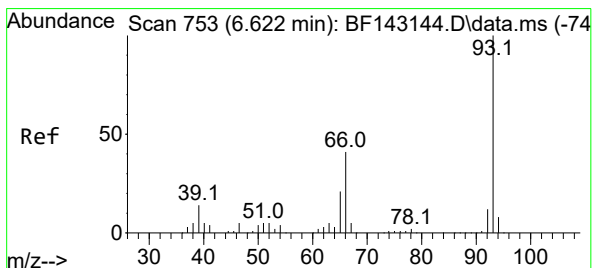
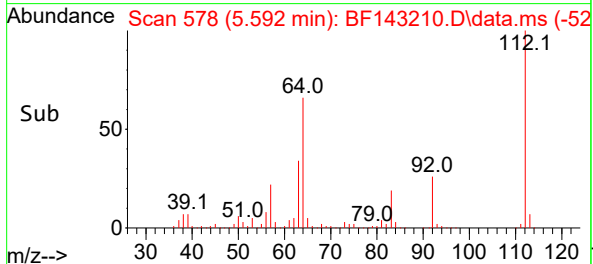
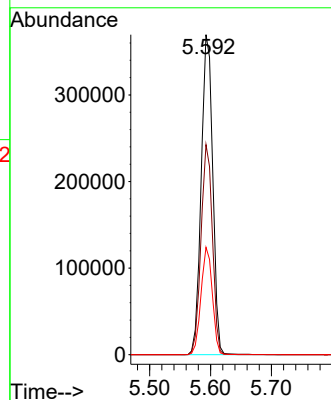
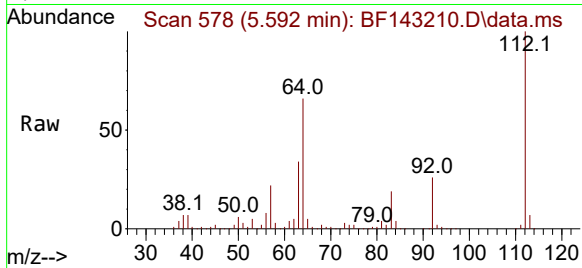




#5
2-Fluorophenol
Concen: 78.697 ng
RT: 5.592 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

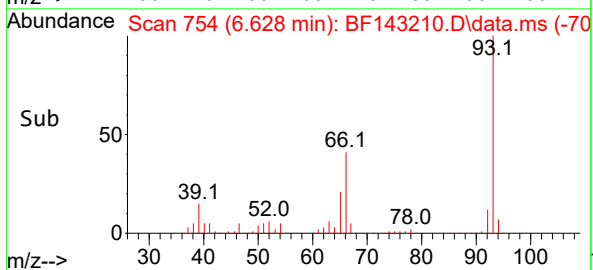
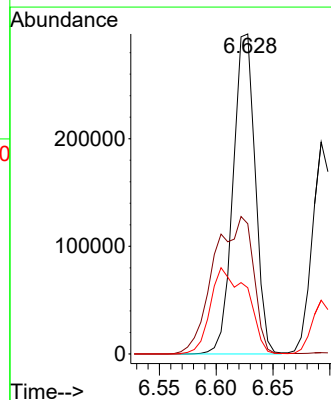
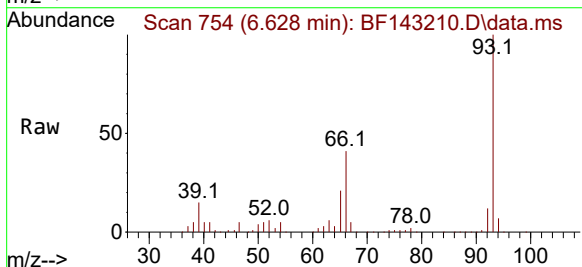
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

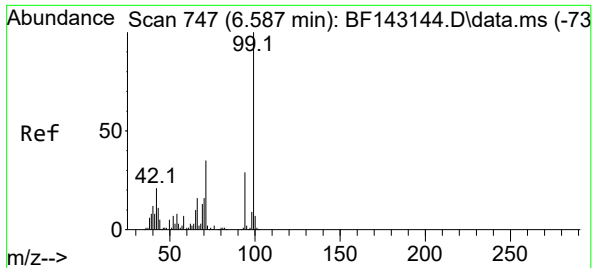
Tgt Ion:112 Resp: 484136
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 33.5 26.6 40.0



#6
Aniline
Concen: 37.330 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 93 Resp: 402849
Ion Ratio Lower Upper
93 100
66 40.7 33.2 49.8
65 20.7 16.9 25.3

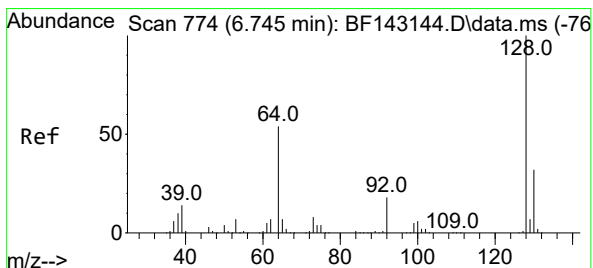
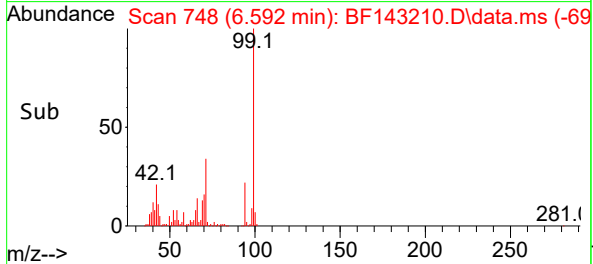
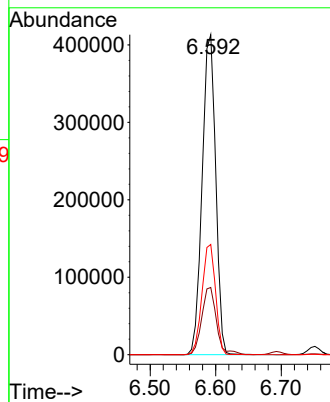
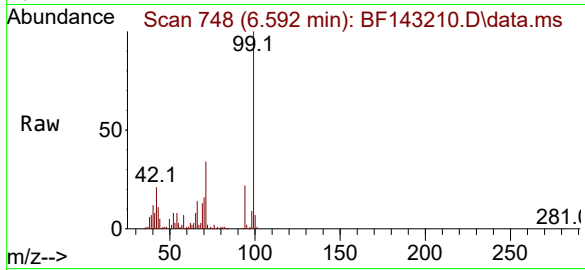




#7
Phenol-d6
Concen: 76.594 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

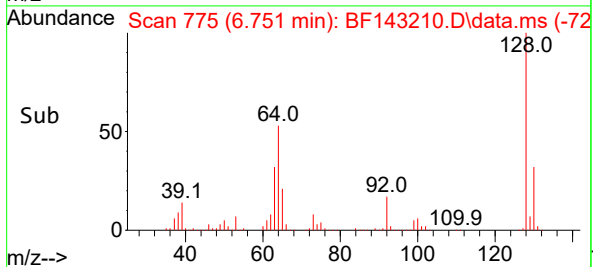
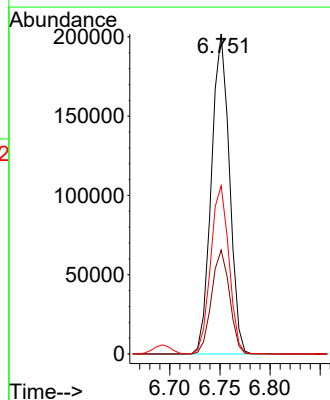
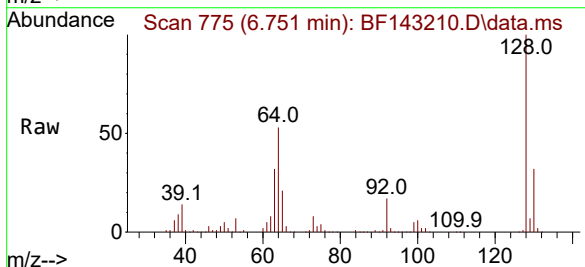
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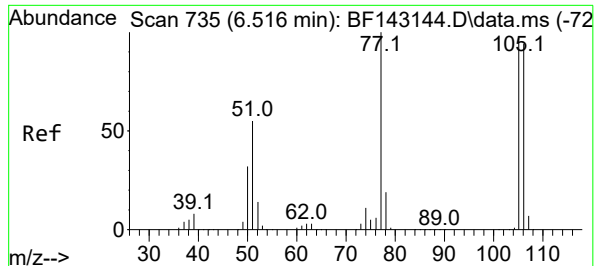
Tgt Ion: 99 Resp: 593088
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 34.5 27.7 41.5



#8
2-Chlorophenol
Concen: 39.203 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:128 Resp: 252794
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 52.6 35.9 75.9

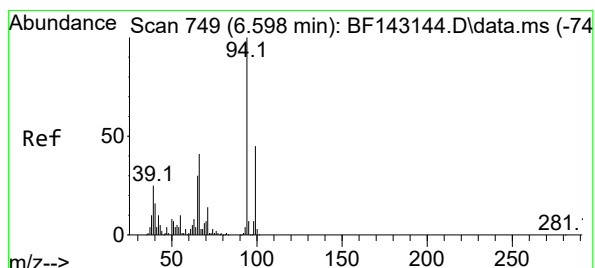
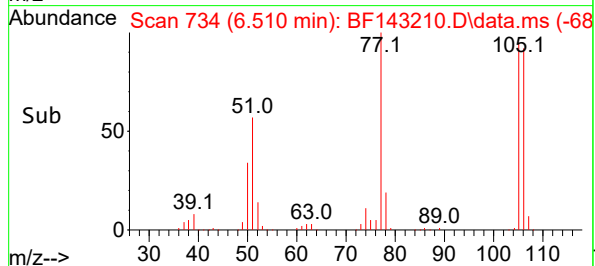
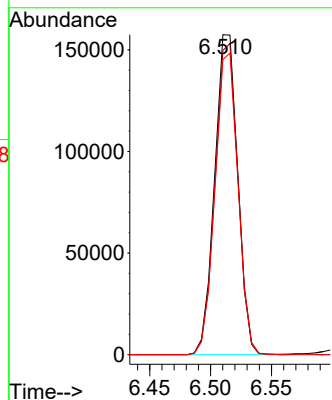
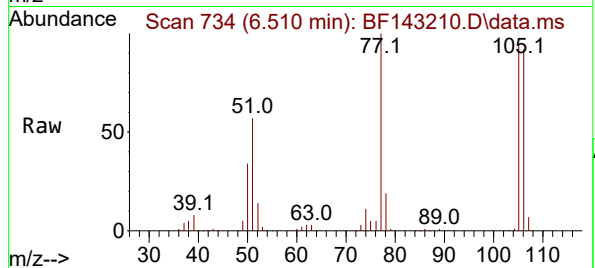




#9
Benzaldehyde
Concen: 35.749 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

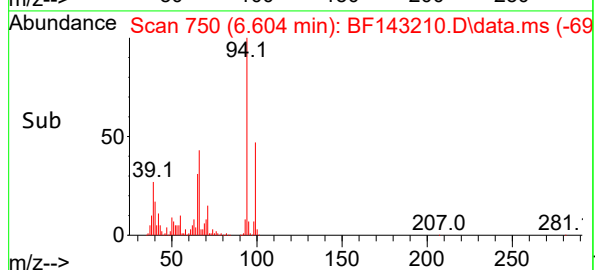
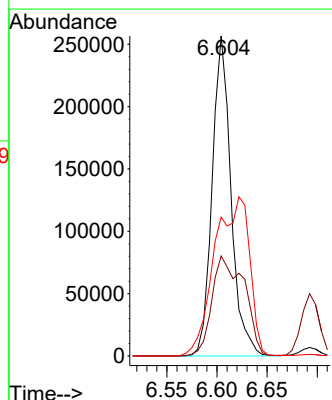
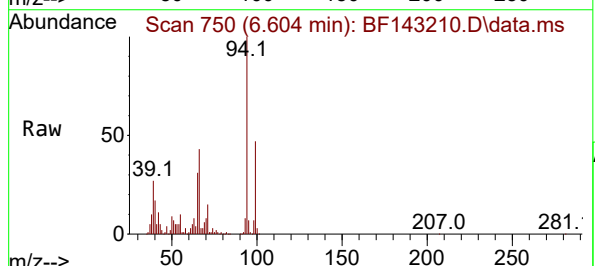
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BNA_F
ClientSampleId :
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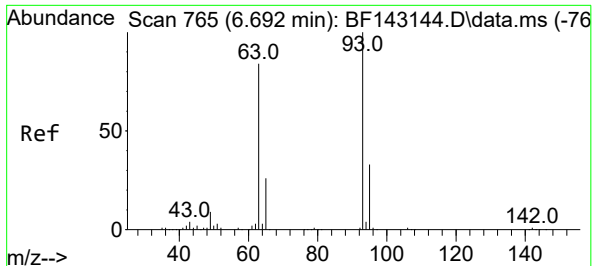
Tgt Ion: 77 Resp: 207569
Ion Ratio Lower Upper
77 100
105 95.1 76.8 116.8
106 92.3 74.4 114.4



#10
Phenol
Concen: 39.837 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion: 94 Resp: 336045
Ion Ratio Lower Upper
94 100
65 31.2 10.0 50.0
66 43.4 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 37.812 ng

RT: 6.692 min Scan# 765

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

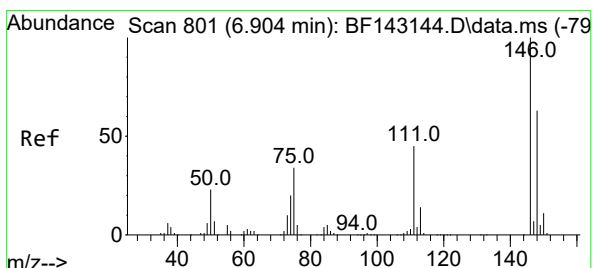
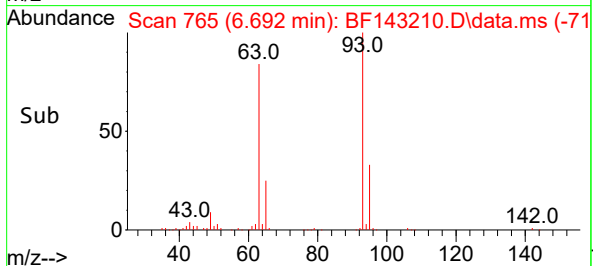
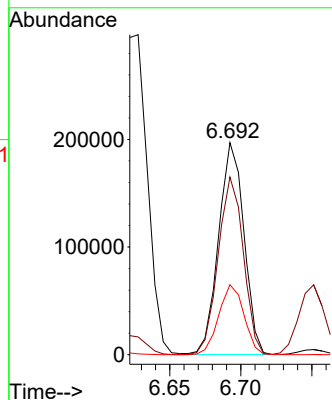
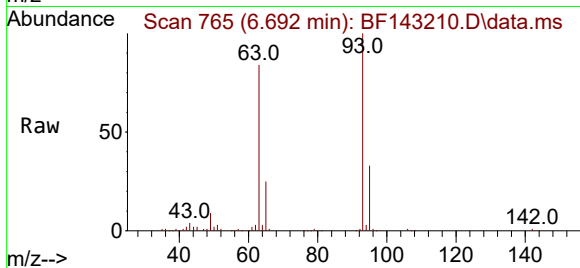
Tgt Ion: 93 Resp: 244219

Ion Ratio Lower Upper

93 100

63 83.8 63.4 103.4

95 33.0 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 40.124 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

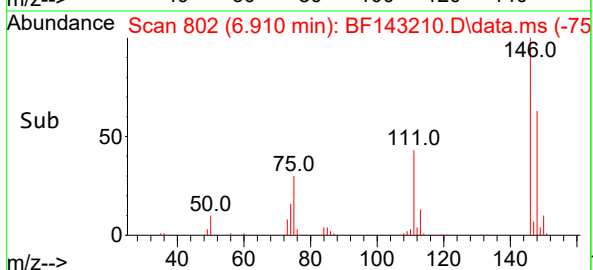
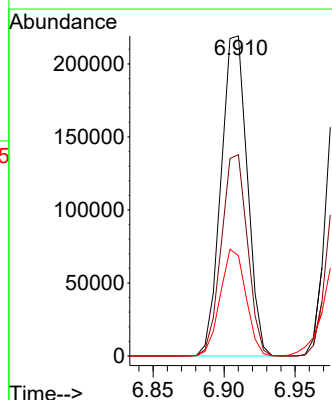
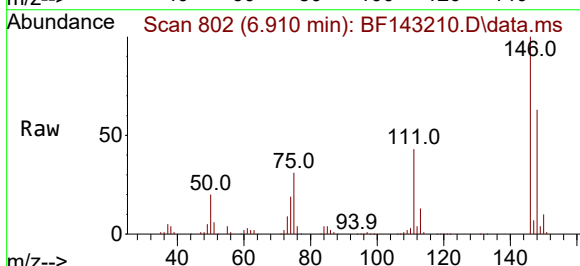
Tgt Ion:146 Resp: 281071

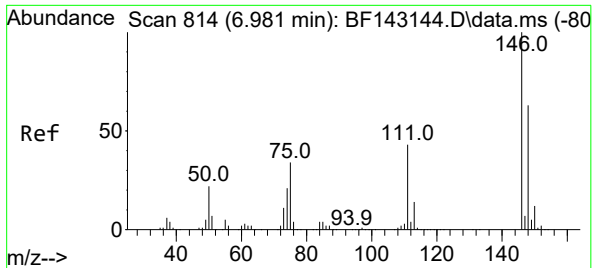
Ion Ratio Lower Upper

146 100

148 62.9 50.6 76.0

75 31.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 39.792 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

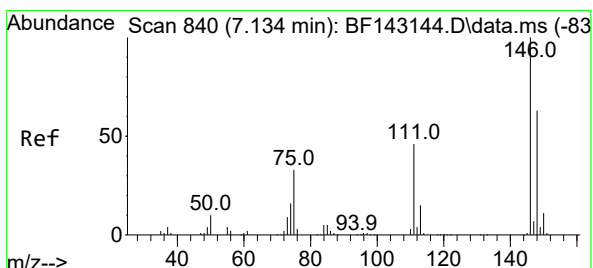
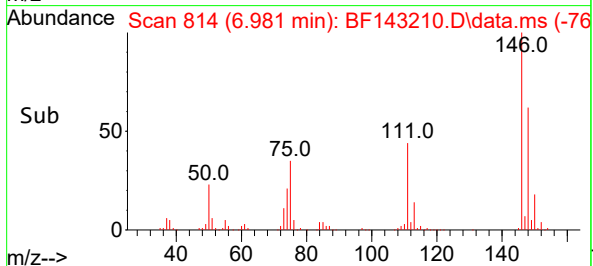
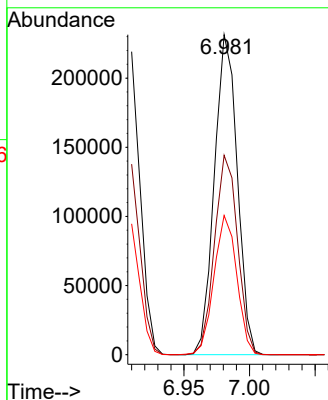
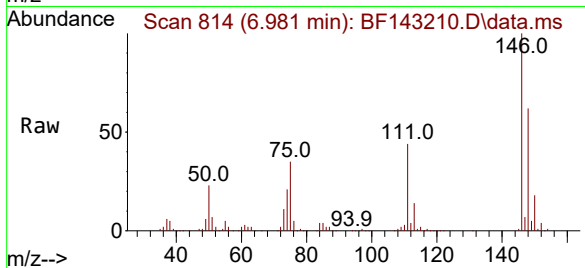
Tgt Ion:146 Resp: 280709

Ion Ratio Lower Upper

146 100

148 62.3 50.3 75.5

111 43.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 40.116 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

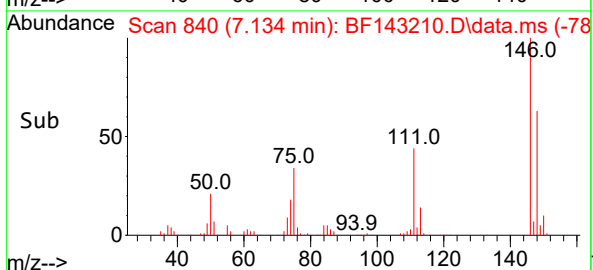
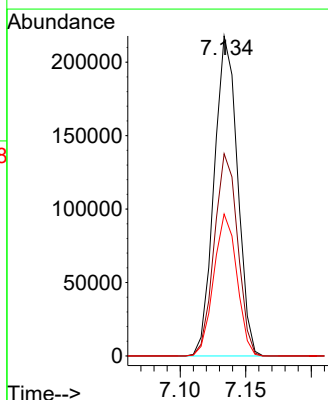
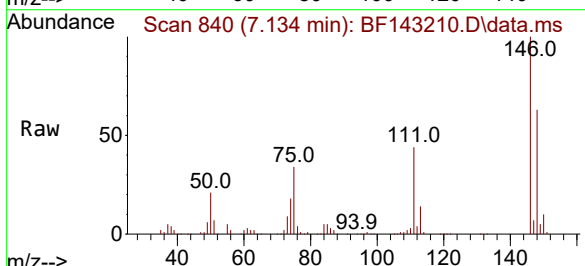
Tgt Ion:146 Resp: 269162

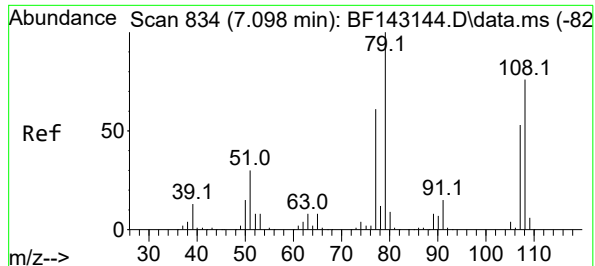
Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 44.3 36.6 54.8





#15

Benzyl Alcohol

Concen: 38.639 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

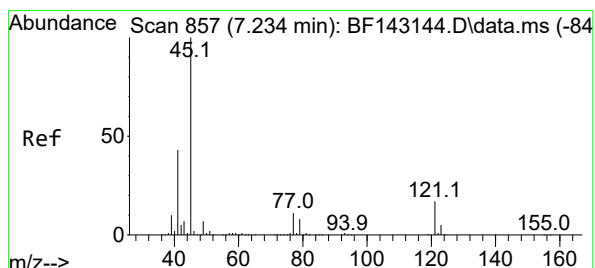
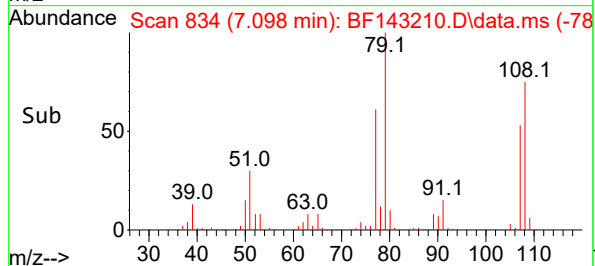
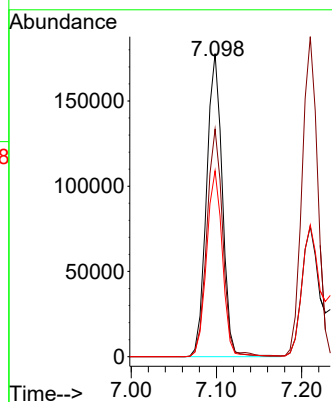
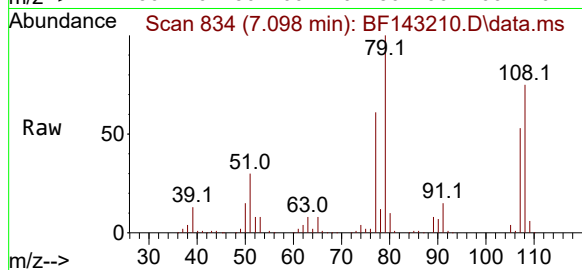
Tgt Ion: 79 Resp: 228448

Ion Ratio Lower Upper

79 100

108 75.1 61.1 91.7

77 61.4 48.9 73.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.612 ng

RT: 7.234 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

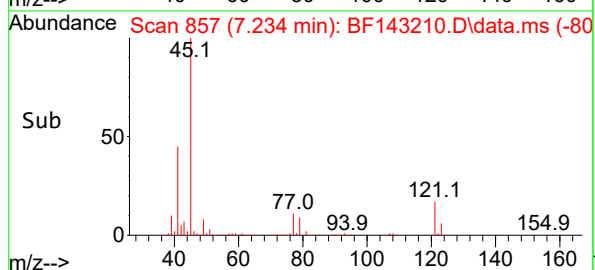
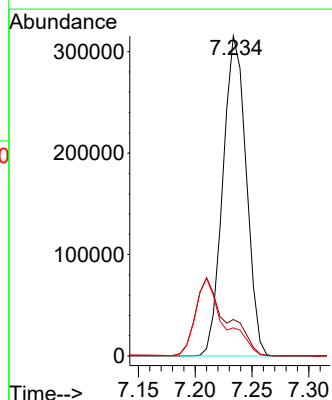
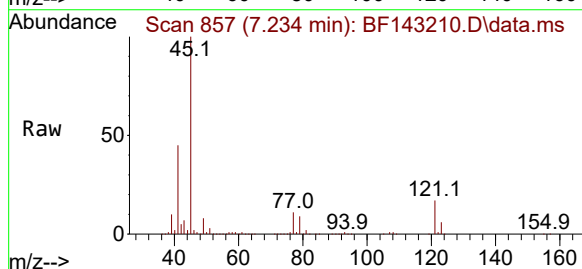
Tgt Ion: 45 Resp: 450642

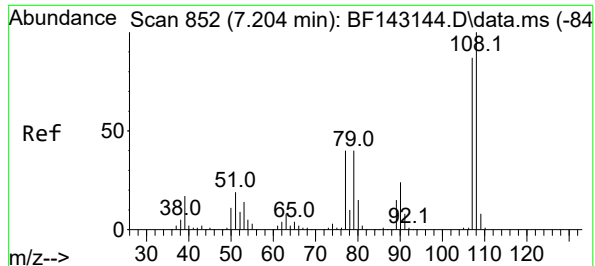
Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.2

79 8.8 0.0 28.5

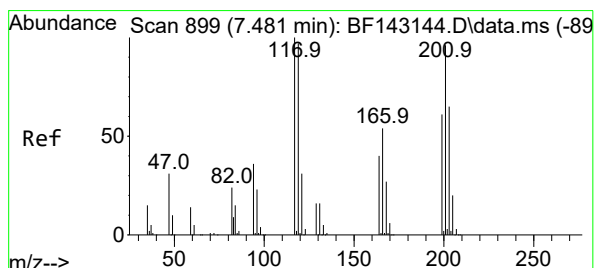
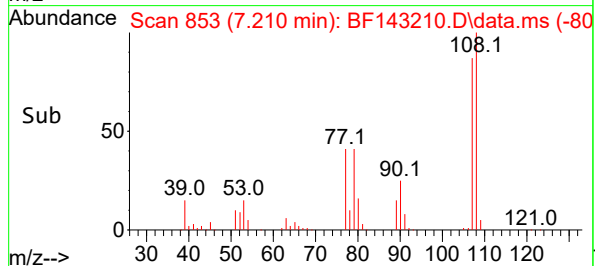
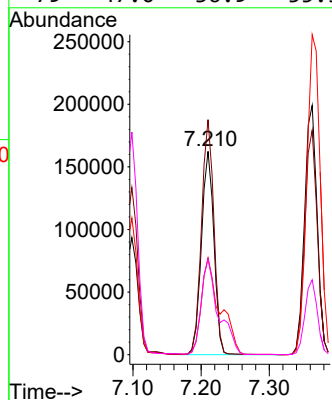
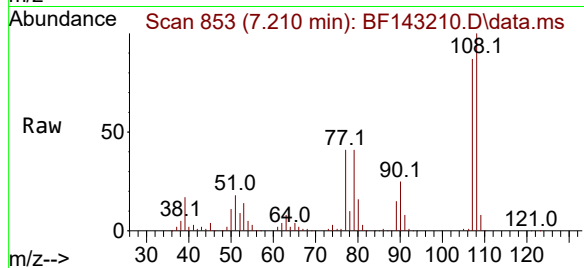




#17
2-Methylphenol
Concen: 38.282 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

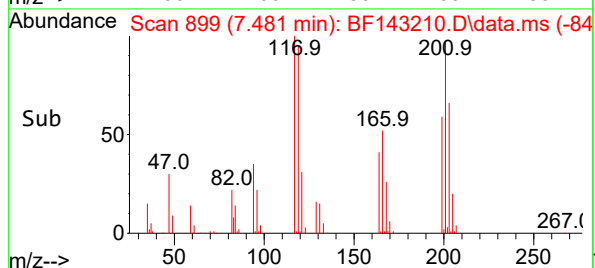
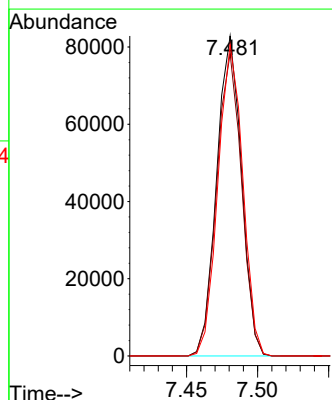
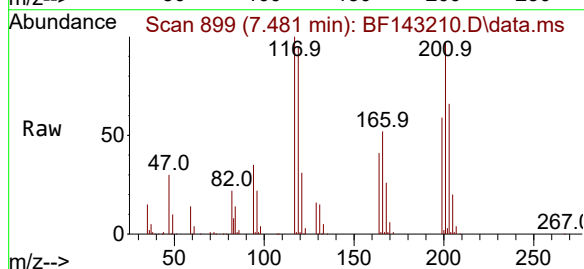
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

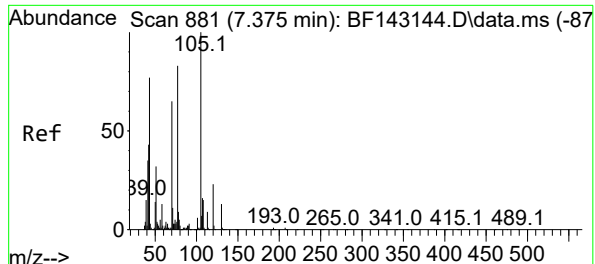
Tgt Ion:107 Resp: 207561
Ion Ratio Lower Upper
107 100
108 115.5 91.8 137.6
77 47.6 37.0 55.6
79 47.0 36.9 55.3



#18
Hexachloroethane
Concen: 41.296 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:117 Resp: 100851
Ion Ratio Lower Upper
117 100
119 94.5 77.8 116.8
201 97.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 36.393 ng

RT: 7.369 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 180795

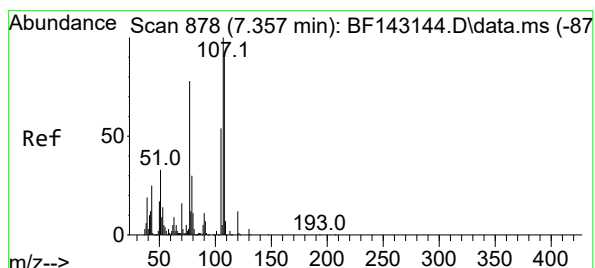
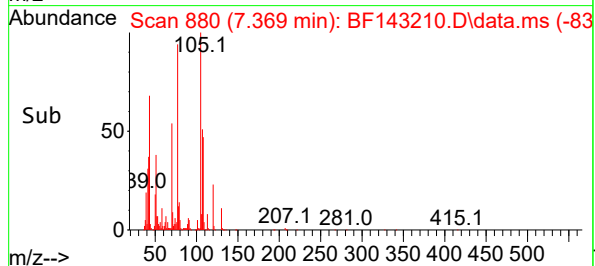
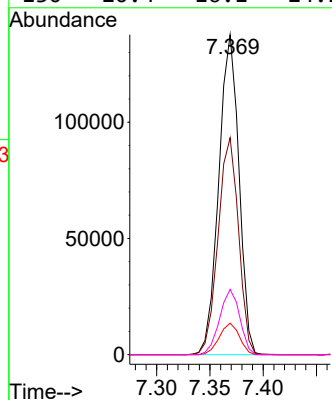
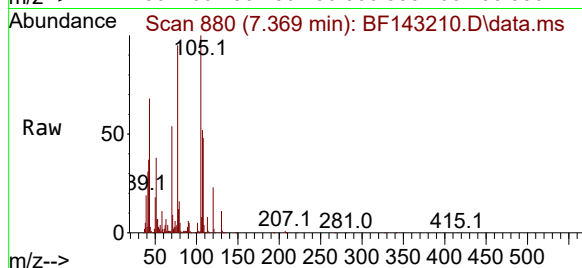
Ion Ratio Lower Upper

70 100

42 67.8 52.5 78.7

101 9.9 7.6 11.4

130 20.4 16.1 24.1



#20

3+4-Methylphenols

Concen: 39.051 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Tgt Ion:107 Resp: 256887

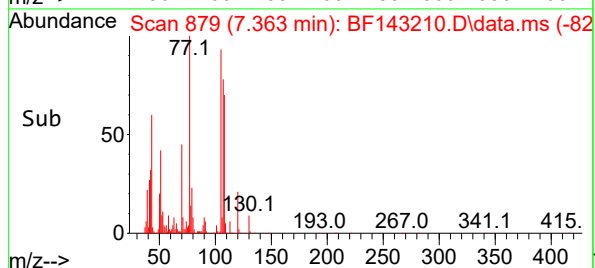
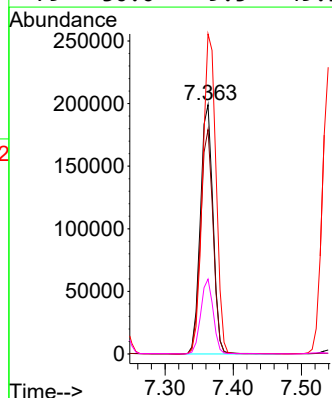
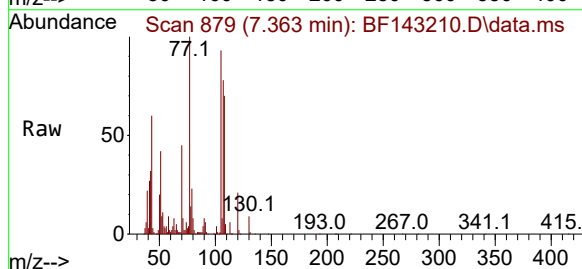
Ion Ratio Lower Upper

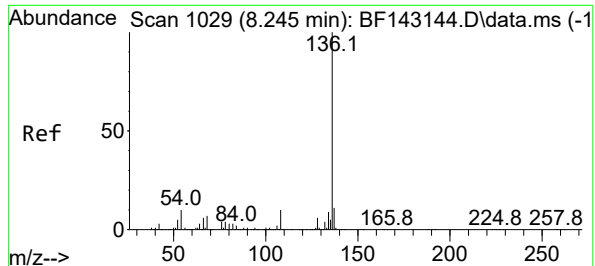
107 100

108 90.0 70.0 110.0

77 128.3 57.8 97.8#

79 30.0 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143210.D

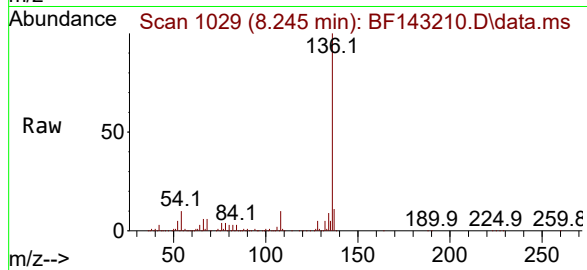
Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 364498

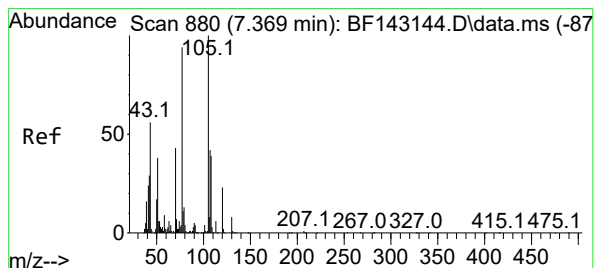
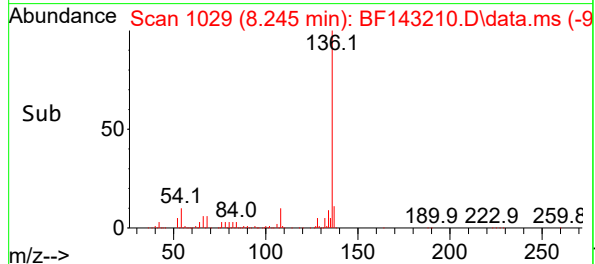
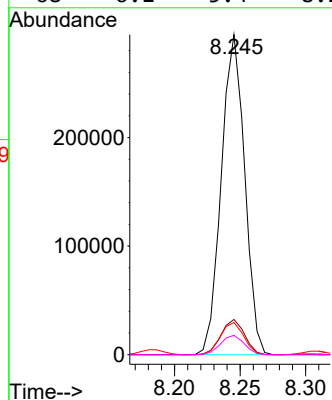
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 10.1 8.2 12.2

68 6.1 5.4 8.2



#22

Acetophenone

Concen: 38.853 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Tgt Ion:105 Resp: 335287

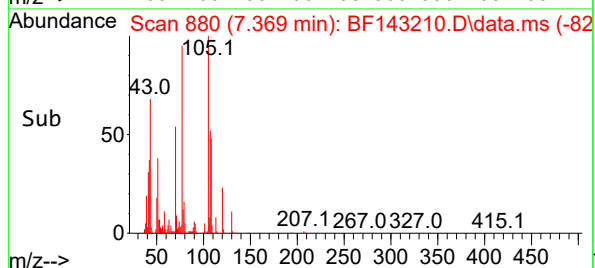
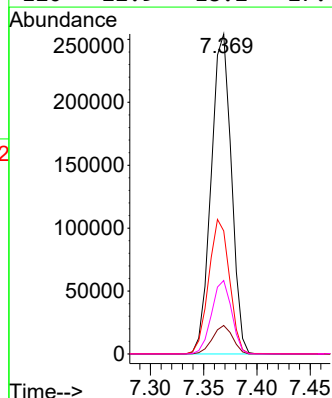
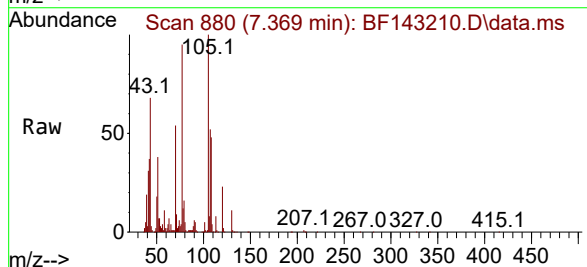
Ion Ratio Lower Upper

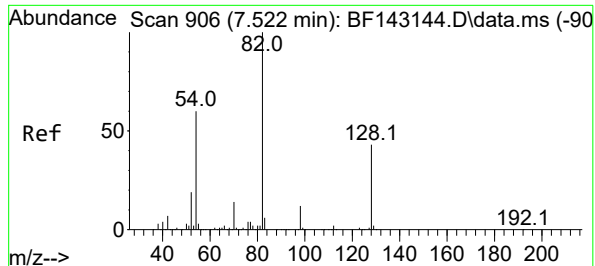
105 100

71 8.9 5.8 8.6#

51 38.5 30.2 45.2

120 22.9 18.2 27.4





#23

Nitrobenzene-d5

Concen: 81.332 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

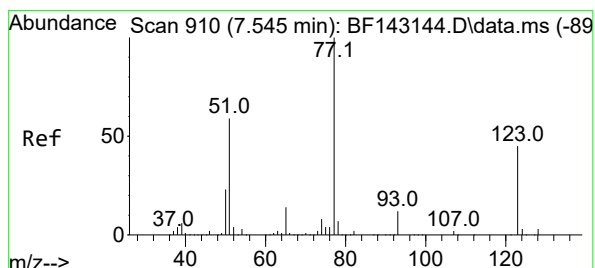
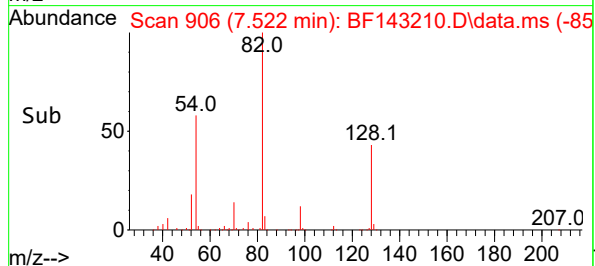
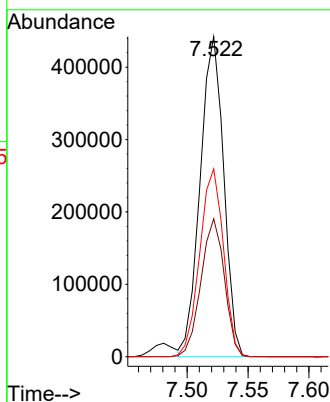
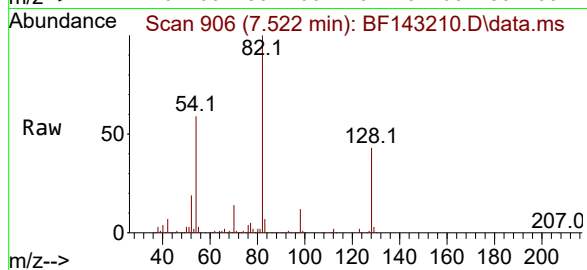
Tgt Ion: 82 Resp: 594723

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 58.7 47.1 70.7



#24

Nitrobenzene

Concen: 40.321 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

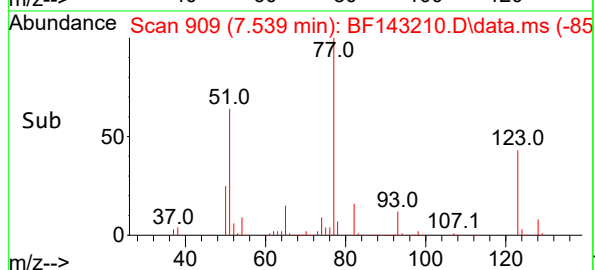
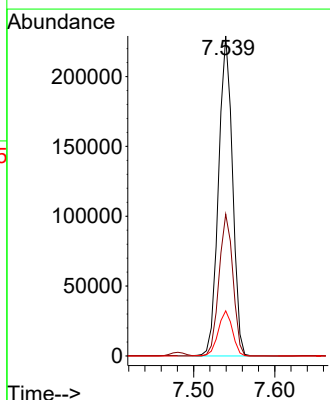
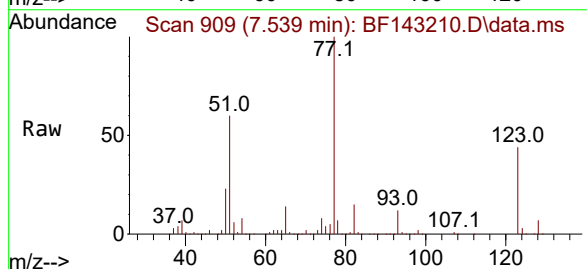
Tgt Ion: 77 Resp: 274884

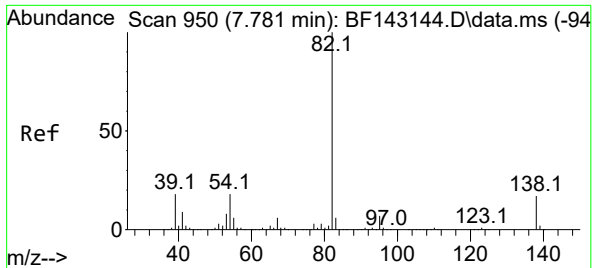
Ion Ratio Lower Upper

77 100

123 44.3 36.1 54.1

65 14.1 11.4 17.2

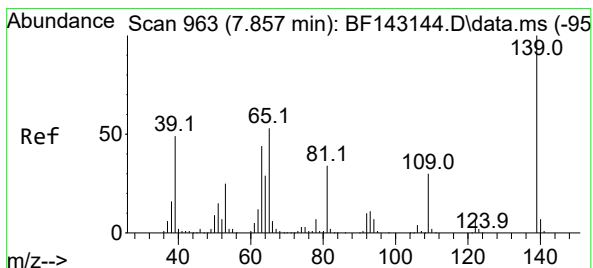
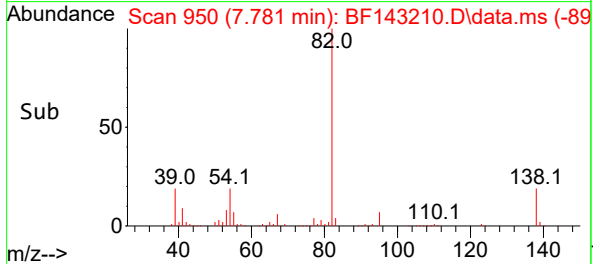
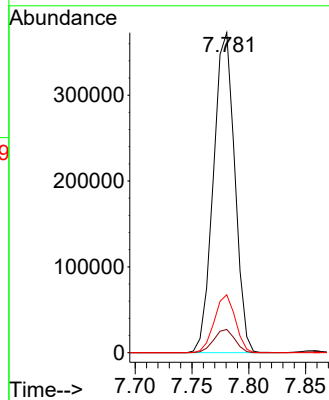
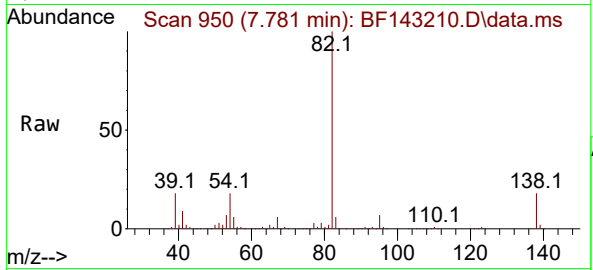




#25
Isophorone
Concen: 37.791 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

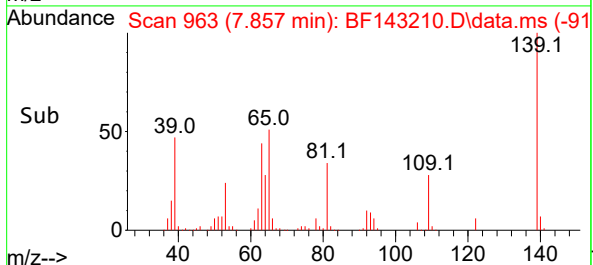
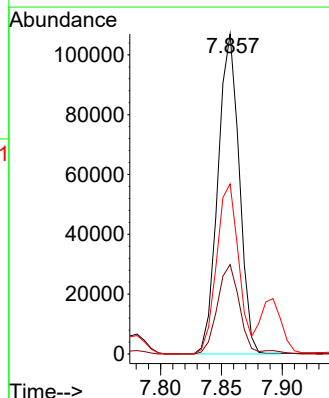
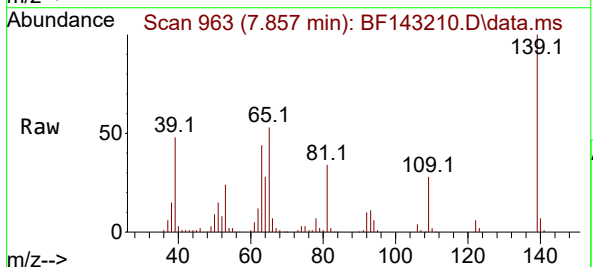
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

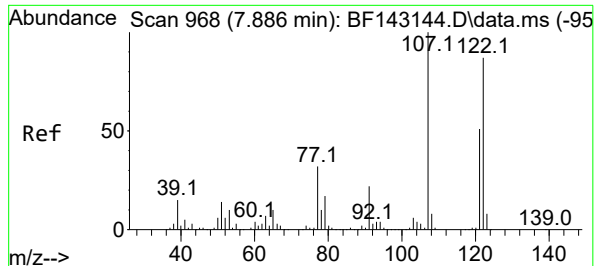
Tgt Ion: 82 Resp: 487827
Ion Ratio Lower Upper
82 100
95 7.3 5.5 8.3
138 18.1 13.8 20.8



#26
2-Nitrophenol
Concen: 44.072 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:139 Resp: 130397
Ion Ratio Lower Upper
139 100
109 28.0 23.6 35.4
65 53.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 38.169 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

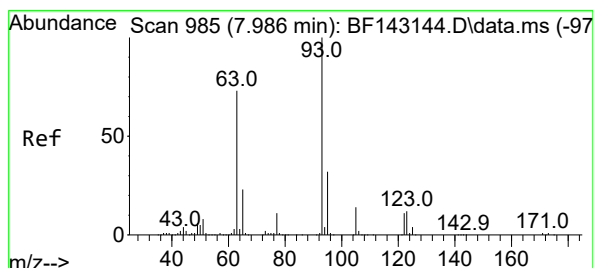
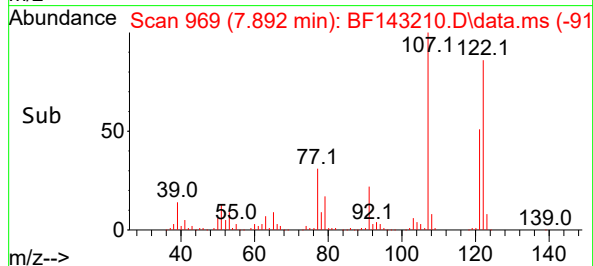
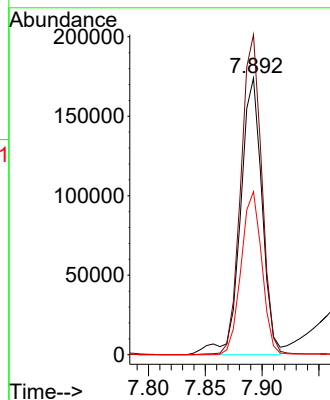
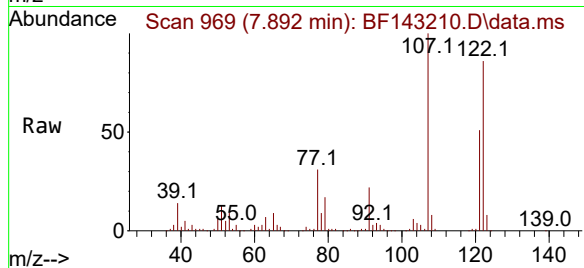
Tgt Ion:122 Resp: 230195

Ion Ratio Lower Upper

122 100

107 115.7 91.8 137.6

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 37.737 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

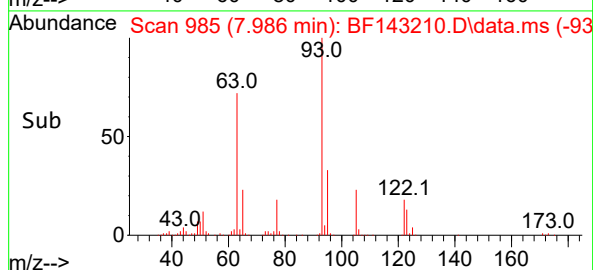
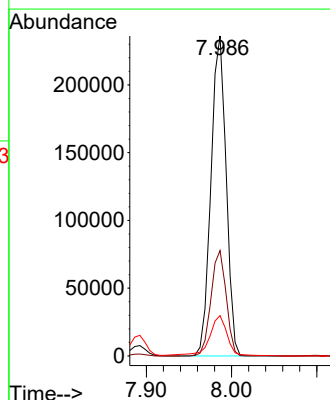
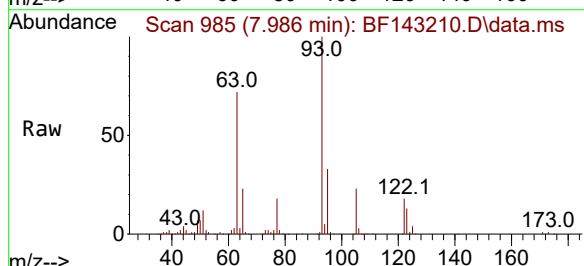
Tgt Ion: 93 Resp: 292069

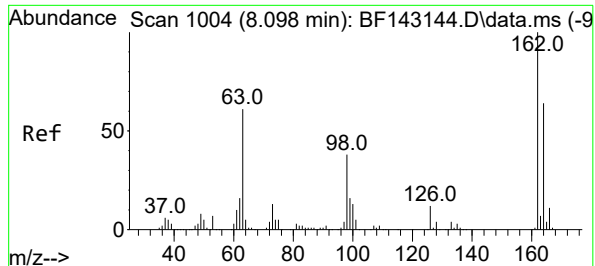
Ion Ratio Lower Upper

93 100

95 33.0 25.8 38.6

123 12.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 39.391 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

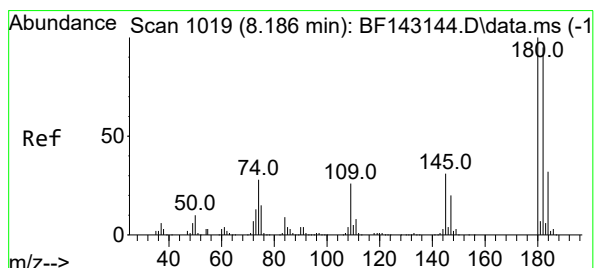
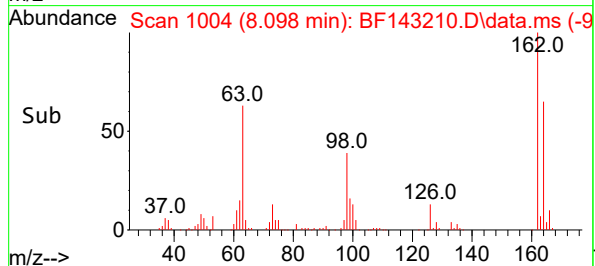
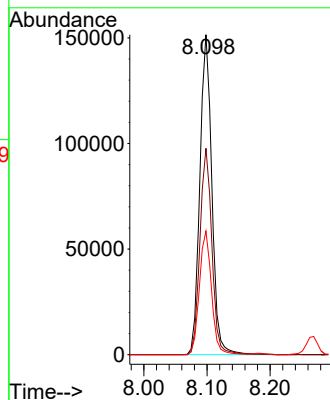
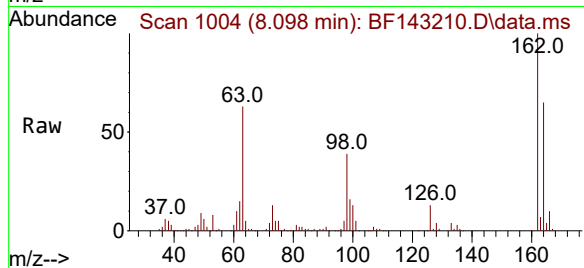
Tgt Ion:162 Resp: 200347

Ion Ratio Lower Upper

162 100

164 64.5 44.2 84.2

98 38.6 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 40.763 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

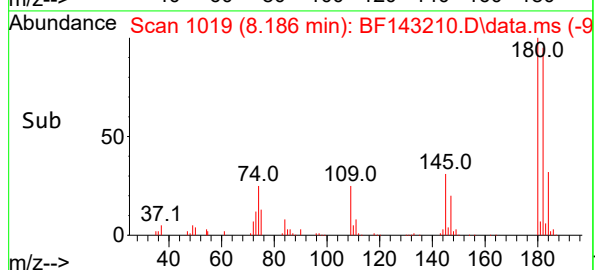
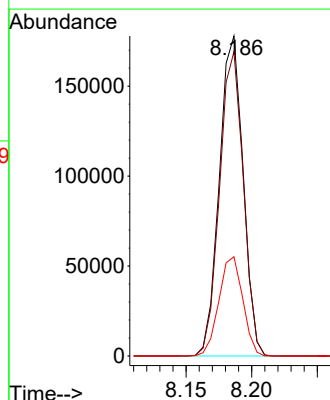
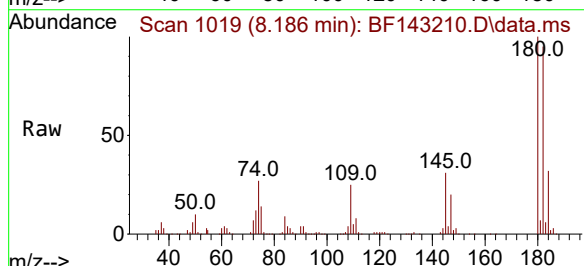
Tgt Ion:180 Resp: 223983

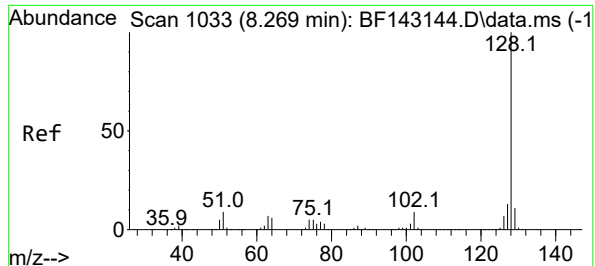
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 31.0 25.0 37.6





#31

Naphthalene

Concen: 39.723 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

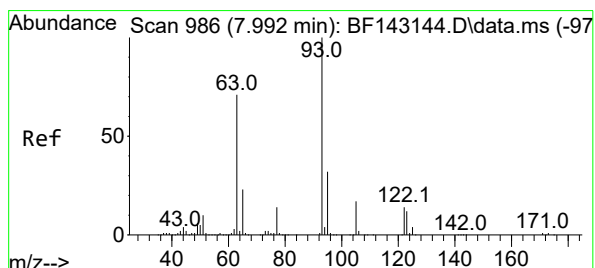
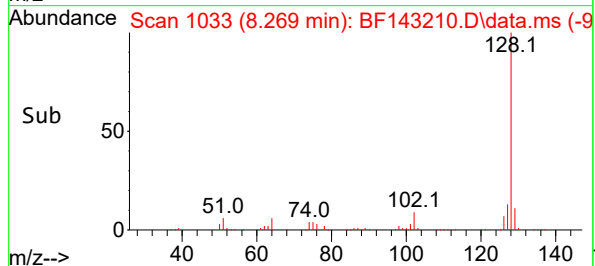
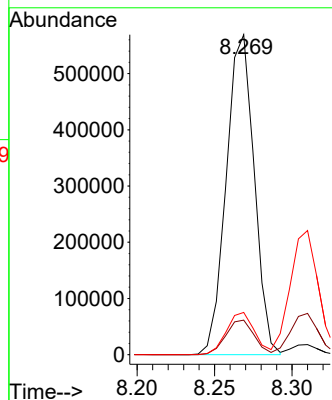
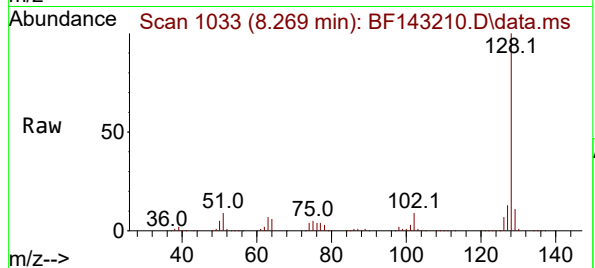
Tgt Ion:128 Resp: 713073

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 13.2 10.6 16.0



#32

Benzoic acid

Concen: 41.627 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

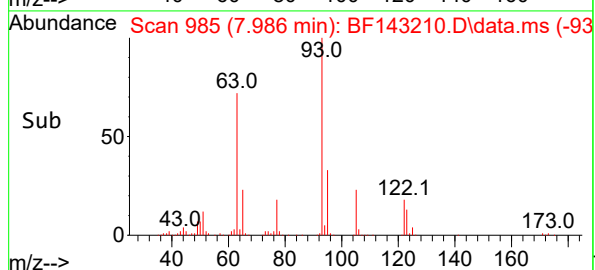
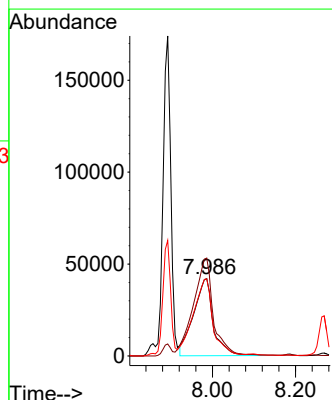
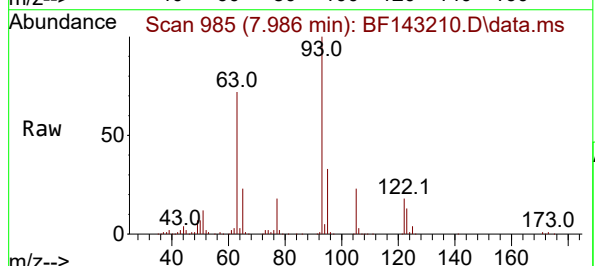
Tgt Ion:122 Resp: 138803

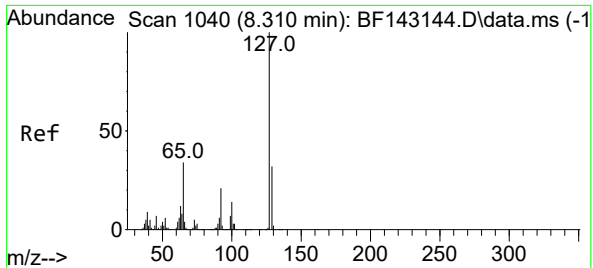
Ion Ratio Lower Upper

122 100

105 126.8 104.8 144.8

77 99.9 77.6 117.6





#33

4-Chloroaniline

Concen: 38.259 ng

RT: 8.310 min Scan# 1040

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 280428

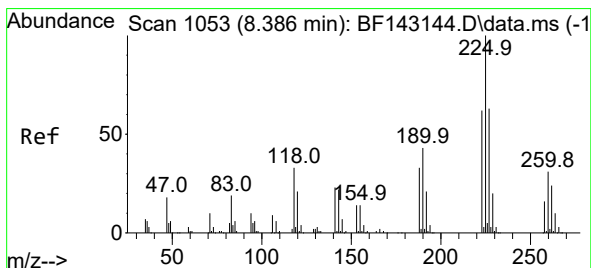
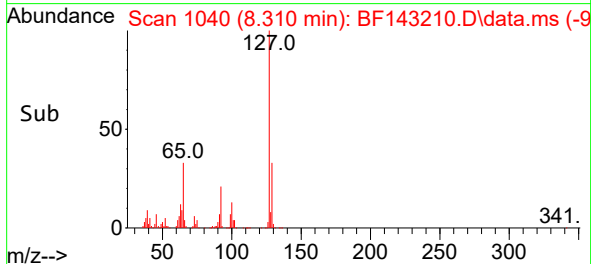
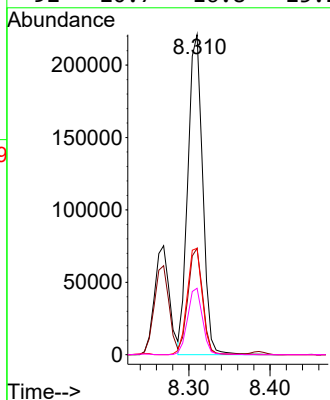
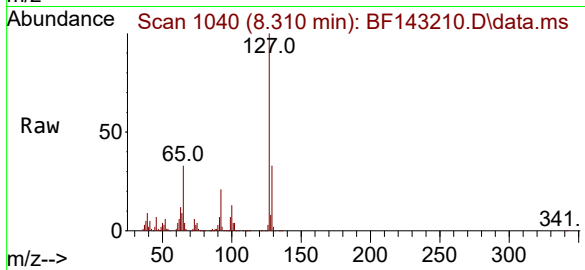
Ion Ratio Lower Upper

127 100

129 33.3 26.0 39.0

65 33.2 27.4 41.2

92 20.7 16.8 25.2



#34

Hexachlorobutadiene

Concen: 40.960 ng

RT: 8.386 min Scan# 1053

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

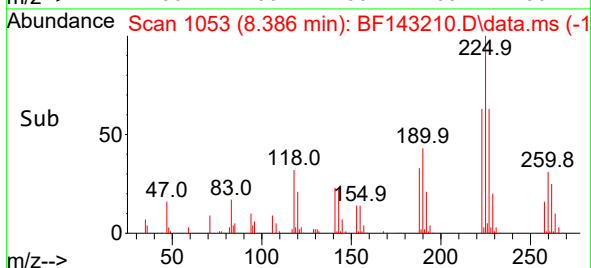
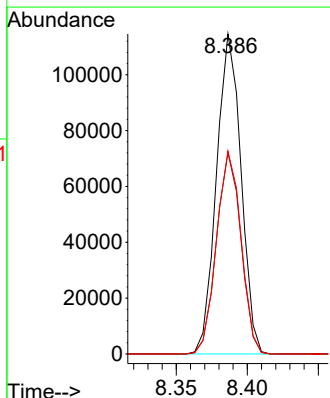
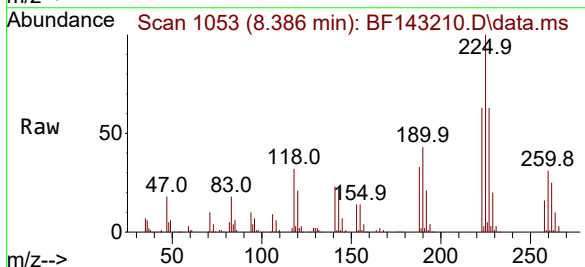
Tgt Ion:225 Resp: 137489

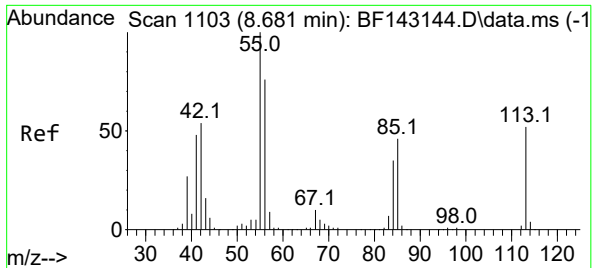
Ion Ratio Lower Upper

225 100

223 62.9 49.8 74.6

227 63.4 50.2 75.4





#35

Caprolactam

Concen: 40.895 ng

RT: 8.663 min Scan# 1100

Delta R.T. -0.018 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

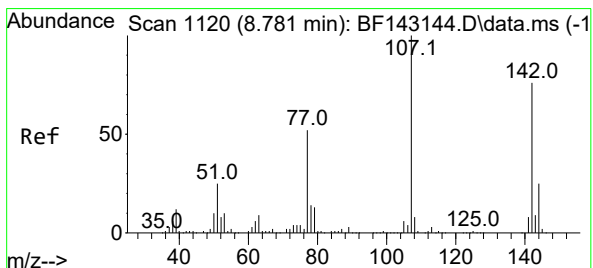
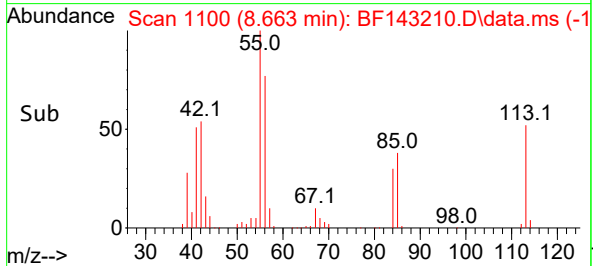
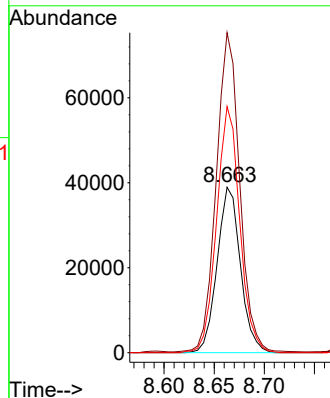
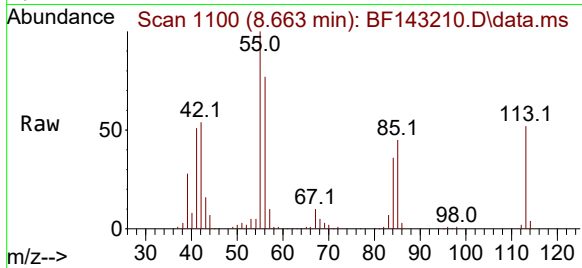
Tgt Ion:113 Resp: 62853

Ion Ratio Lower Upper

113 100

55 193.5 174.0 214.0

56 148.8 126.6 166.6



#36

4-Chloro-3-methylphenol

Concen: 38.764 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

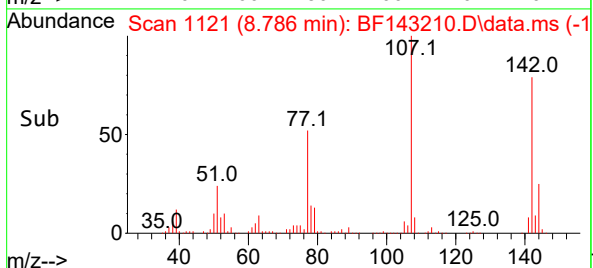
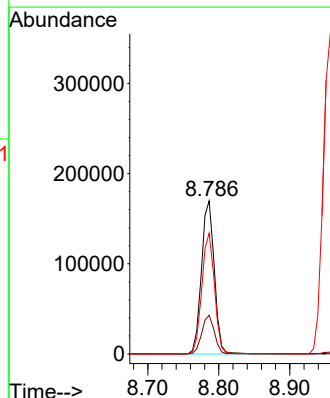
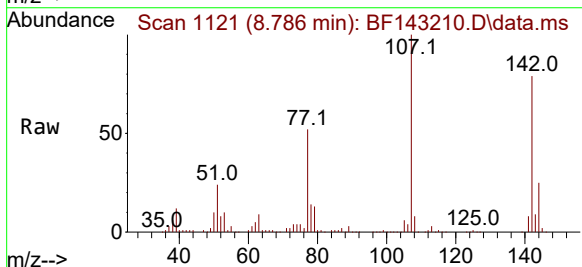
Tgt Ion:107 Resp: 214294

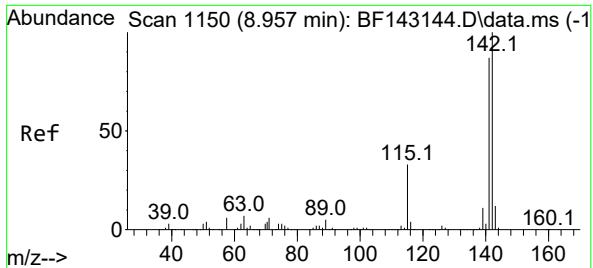
Ion Ratio Lower Upper

107 100

144 25.3 19.8 29.6

142 78.9 60.6 90.8

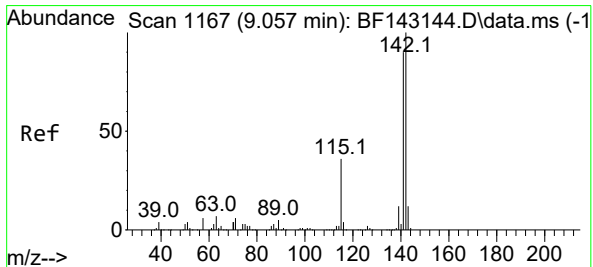
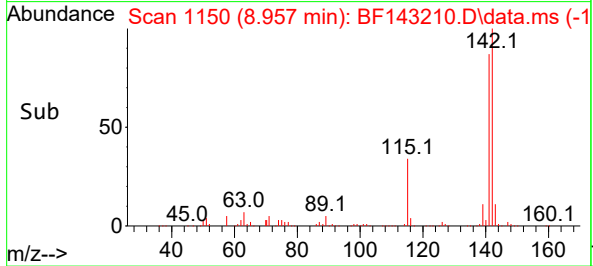
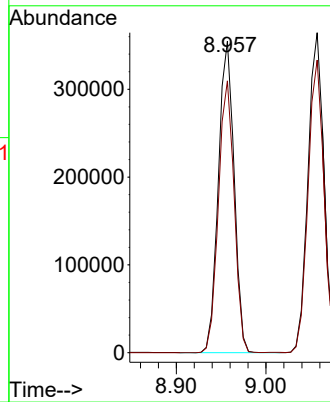
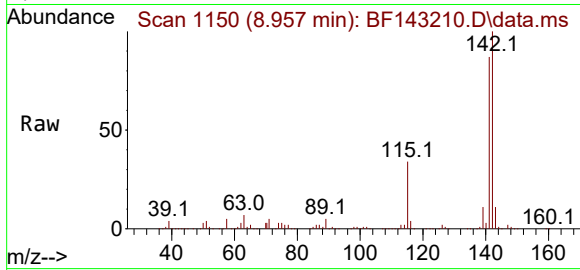




#37
2-Methylnaphthalene
Concen: 39.580 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

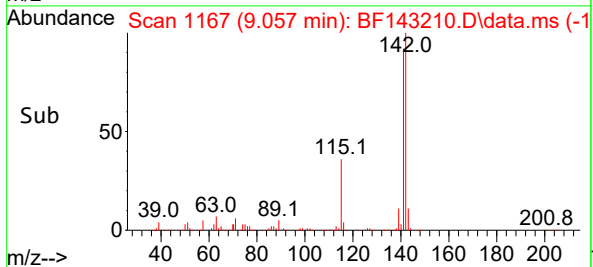
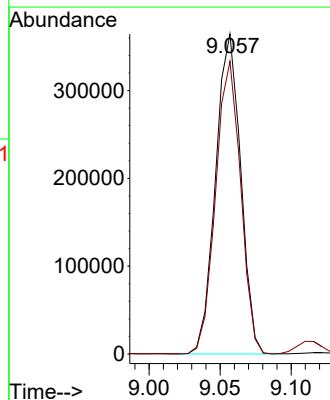
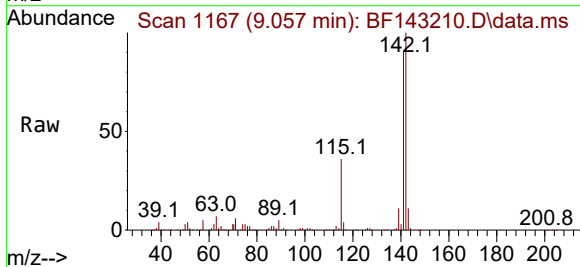
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

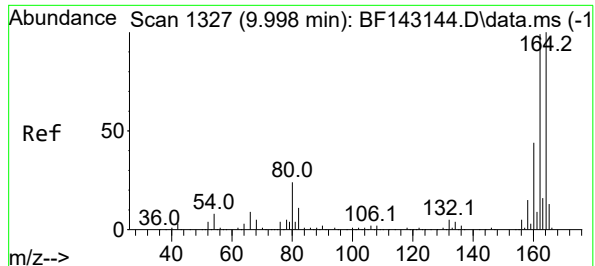
Tgt Ion:142 Resp: 432353
Ion Ratio Lower Upper
142 100
141 87.2 69.9 104.9



#38
1-Methylnaphthalene
Concen: 39.872 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:142 Resp: 448502
Ion Ratio Lower Upper
142 100
141 91.4 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

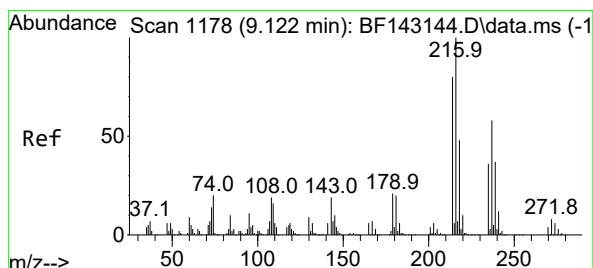
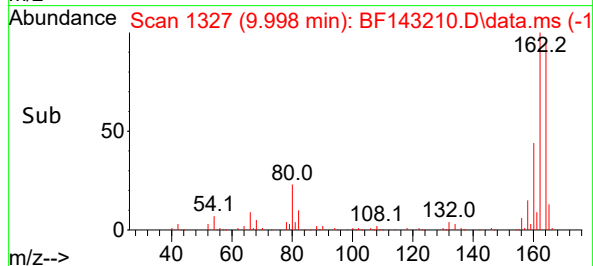
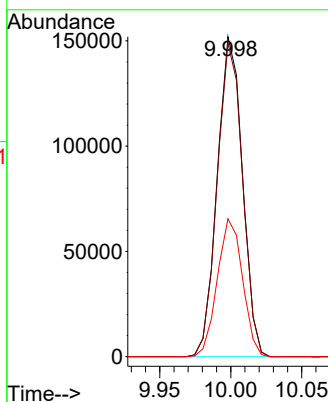
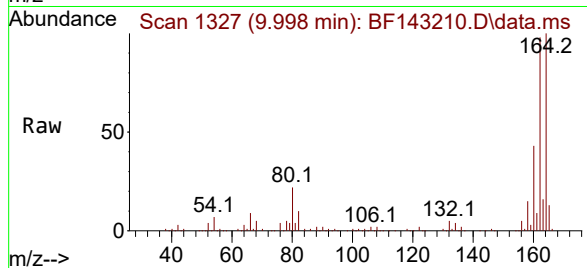
Tgt Ion:164 Resp: 187438

Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.6

160 43.1 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.956 ng

RT: 9.122 min Scan# 1178

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Tgt Ion:216 Resp: 216223

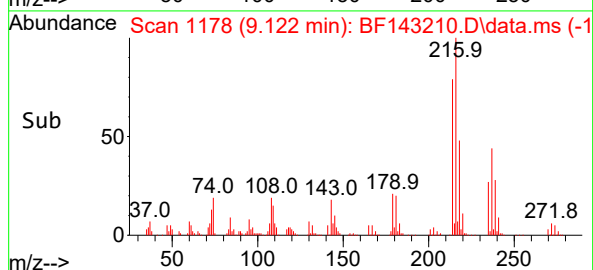
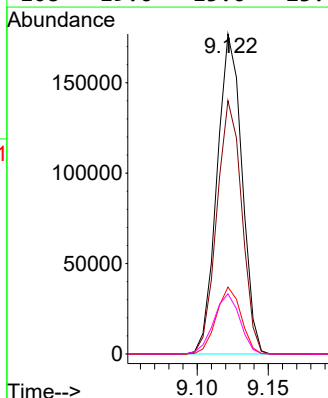
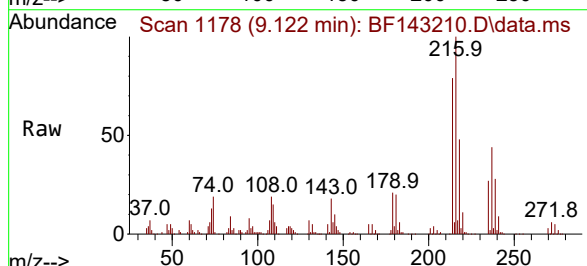
Ion Ratio Lower Upper

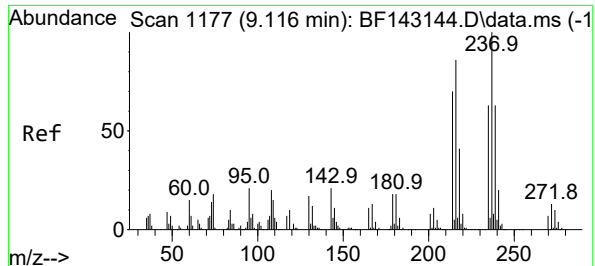
216 100

214 79.0 63.8 95.8

179 20.7 16.4 24.6

108 19.6 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 42.082 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

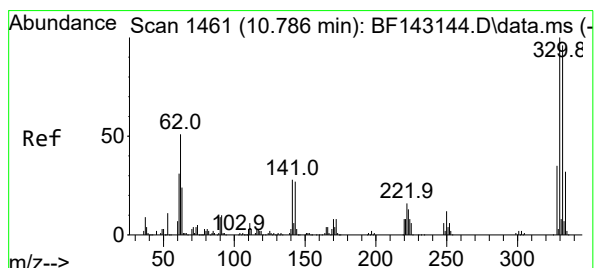
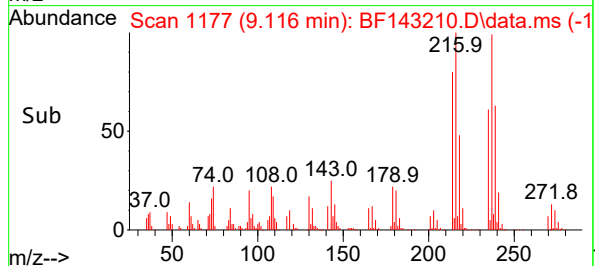
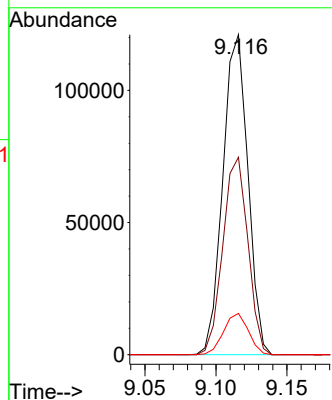
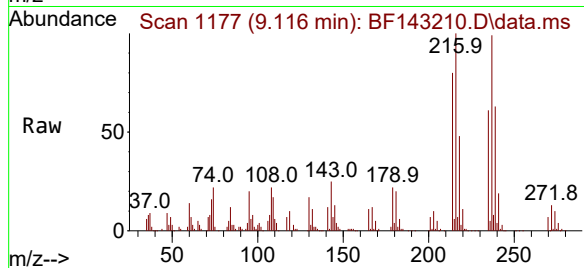
Tgt Ion:237 Resp: 148176

Ion Ratio Lower Upper

237 100

235 61.7 43.0 83.0

272 12.9 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 78.251 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

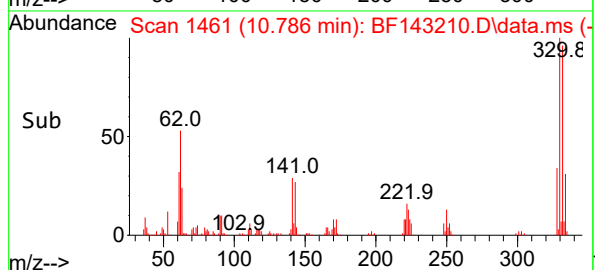
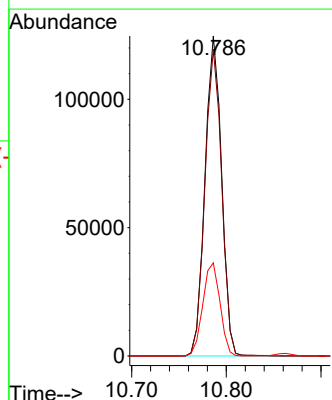
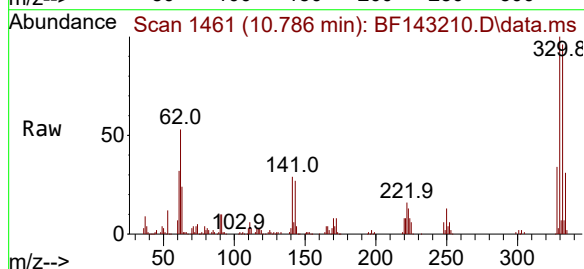
Tgt Ion:330 Resp: 151520

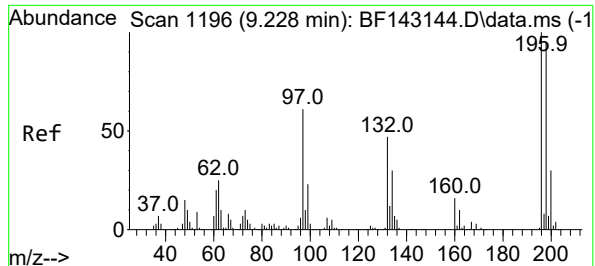
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 30.1 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.625 ng

RT: 9.233 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

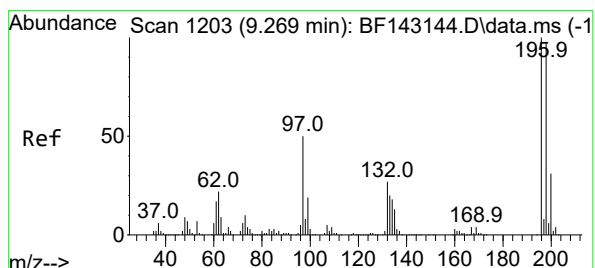
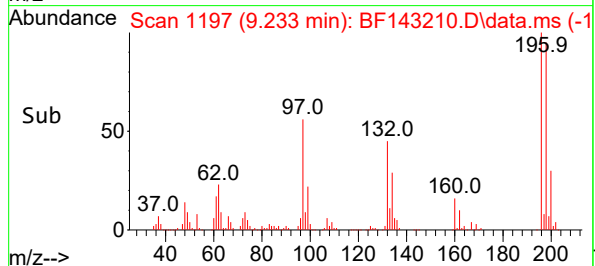
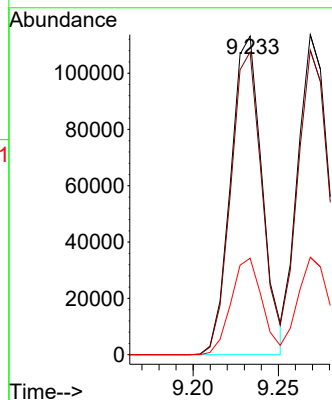
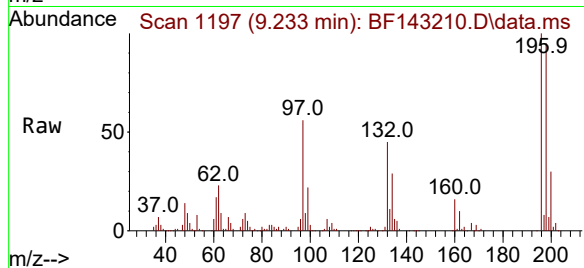
Tgt Ion:196 Resp: 144660

Ion Ratio Lower Upper

196 100

198 95.1 76.2 114.2

200 30.3 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 40.211 ng

RT: 9.269 min Scan# 1203

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Tgt Ion:196 Resp: 150645

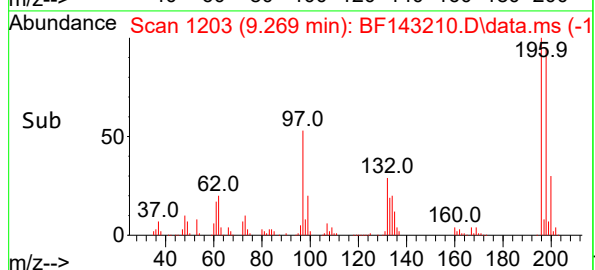
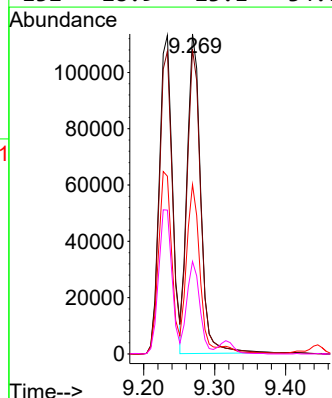
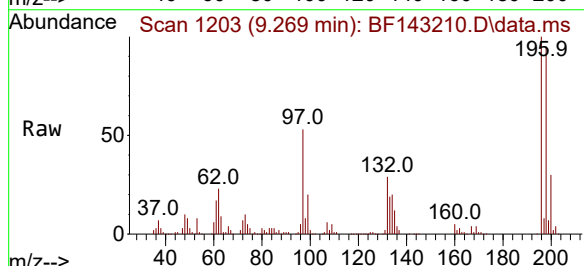
Ion Ratio Lower Upper

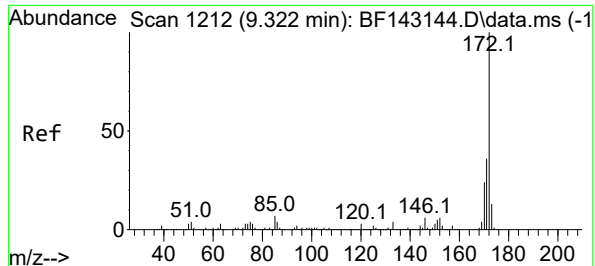
196 100

198 95.2 77.3 115.9

97 53.0 40.3 60.5

132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 79.441 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

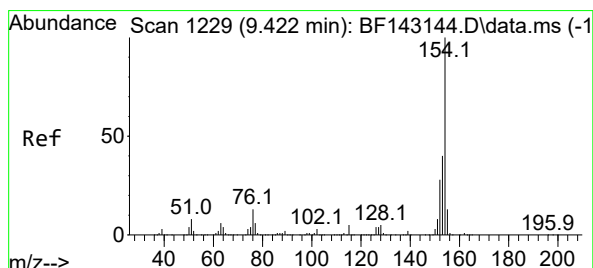
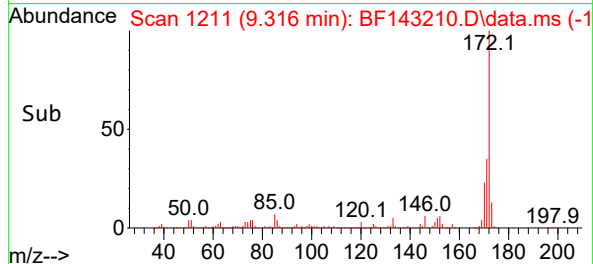
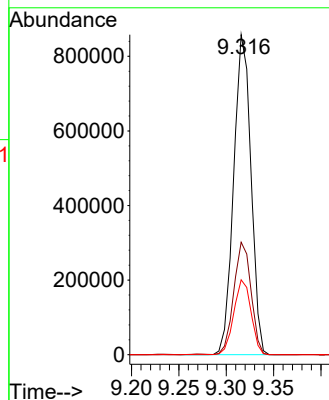
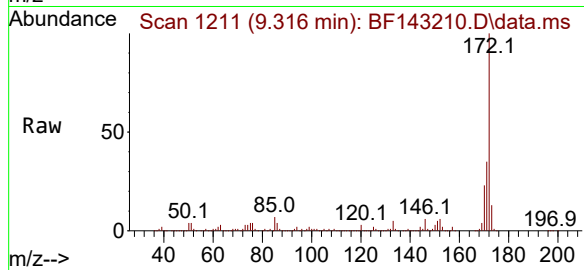
Tgt Ion:172 Resp: 1088775

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 39.454 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

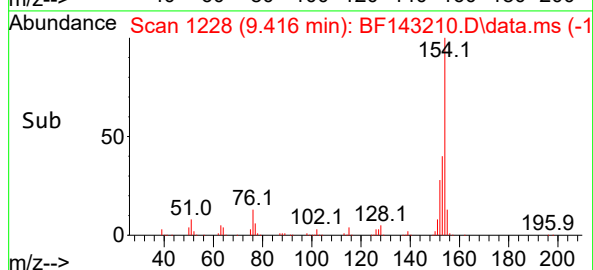
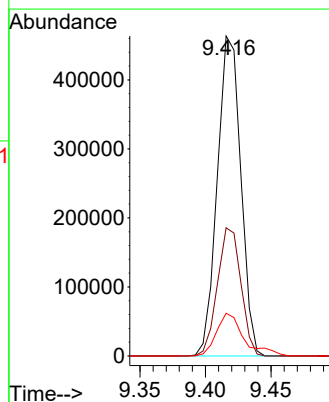
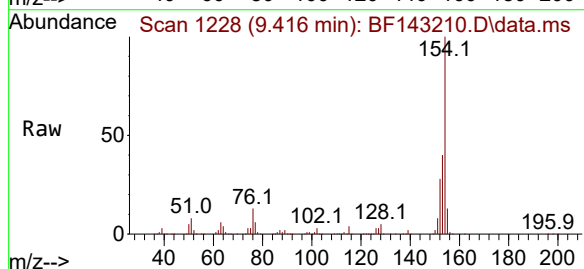
Tgt Ion:154 Resp: 576976

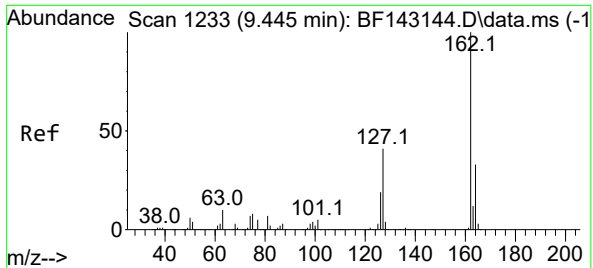
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.957 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

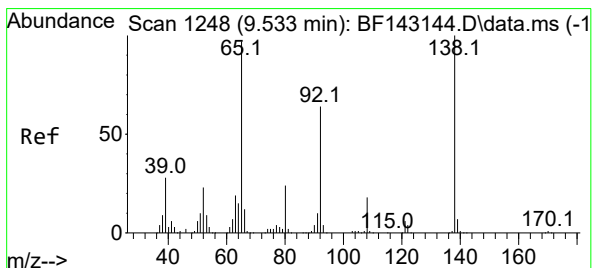
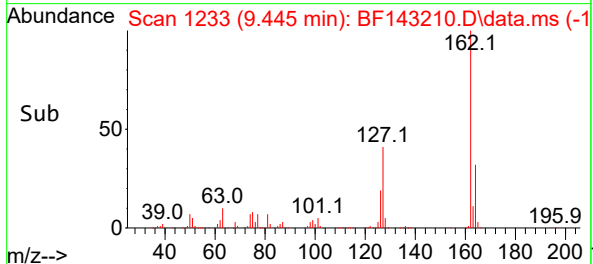
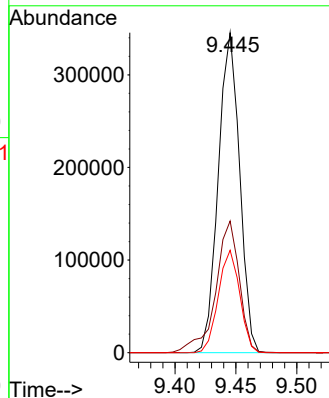
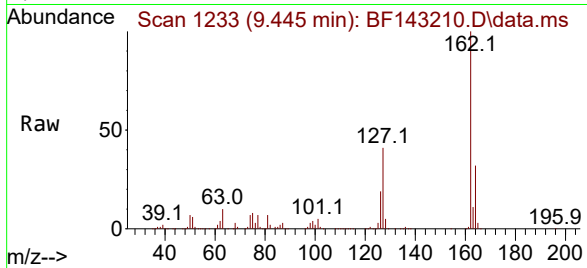
Tgt Ion:162 Resp: 421533

Ion Ratio Lower Upper

162 100

127 41.1 33.4 50.2

164 32.0 26.2 39.2



#48

2-Nitroaniline

Concen: 41.188 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

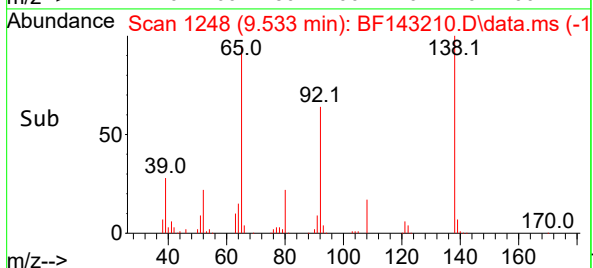
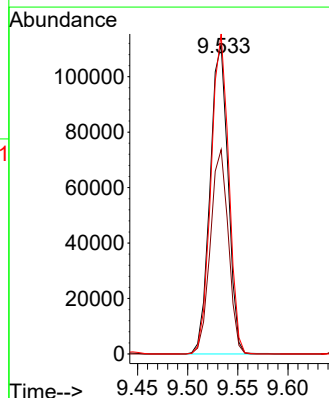
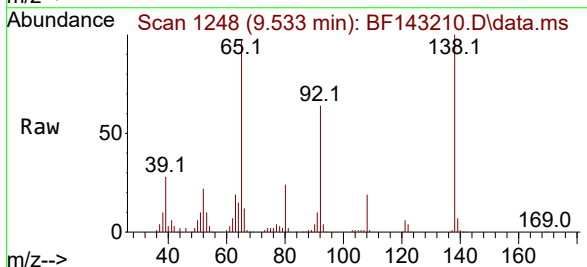
Tgt Ion: 65 Resp: 139765

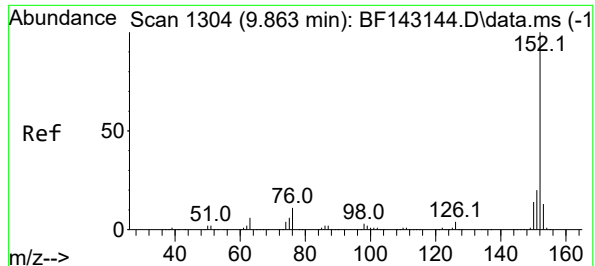
Ion Ratio Lower Upper

65 100

92 66.1 52.4 78.6

138 103.5 82.3 123.5





#49

Acenaphthylene

Concen: 38.989 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

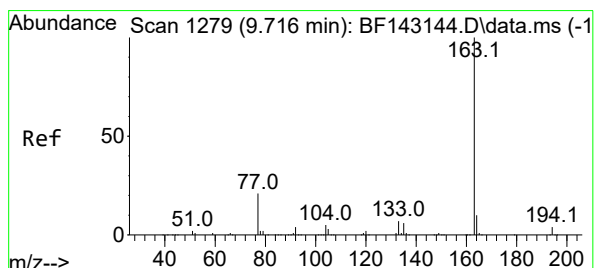
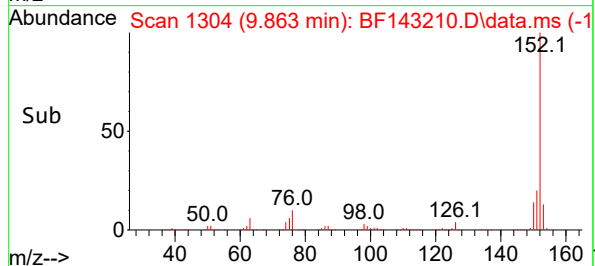
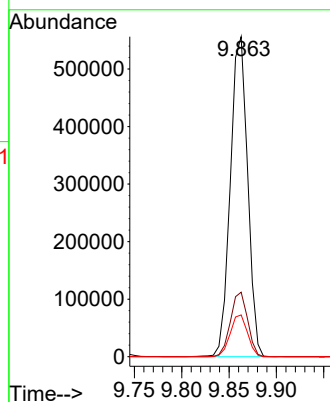
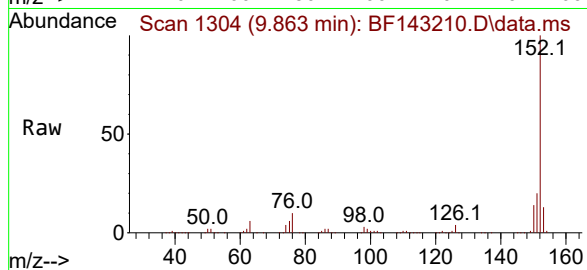
Tgt Ion:152 Resp: 707016

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 39.503 ng

RT: 9.710 min Scan# 1278

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

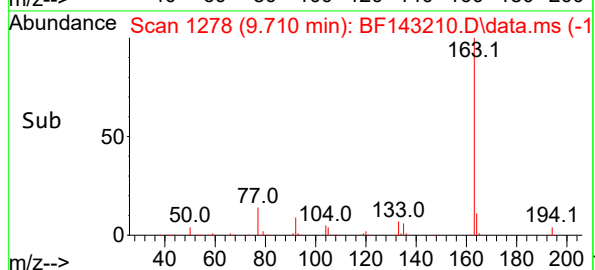
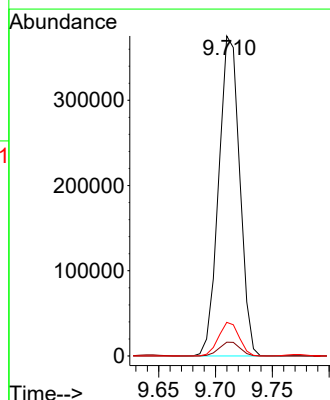
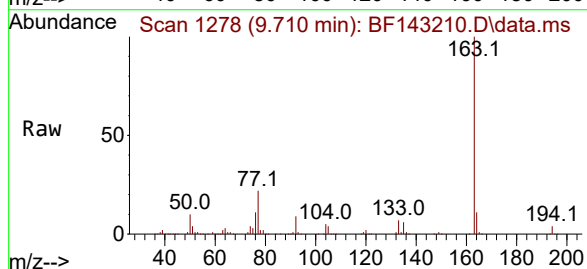
Tgt Ion:163 Resp: 482643

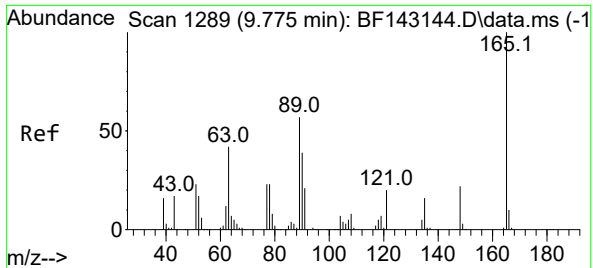
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.5 8.3 12.5

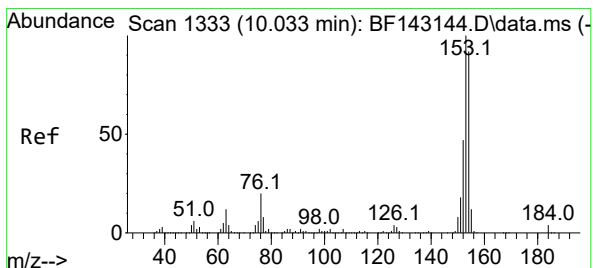
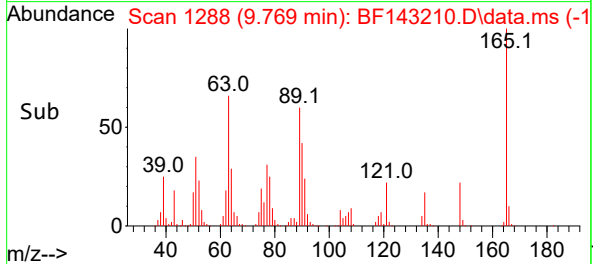
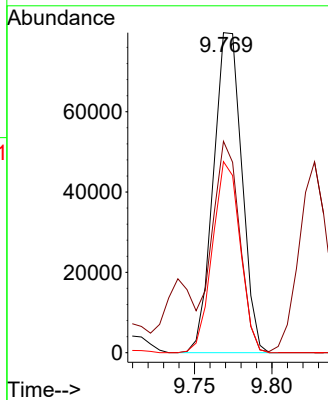
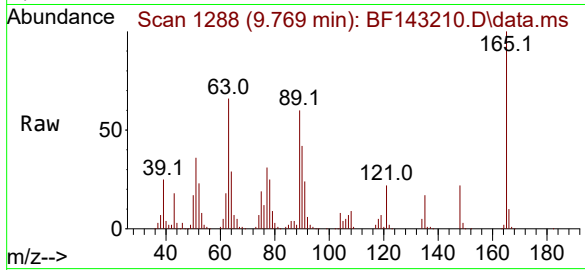




#51
2,6-Dinitrotoluene
Concen: 41.014 ng
RT: 9.769 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

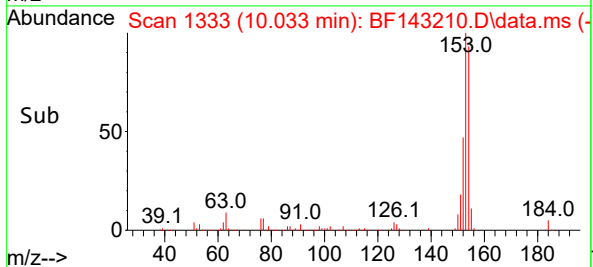
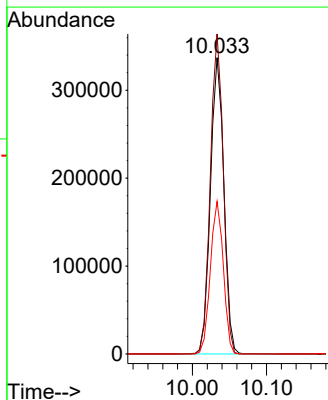
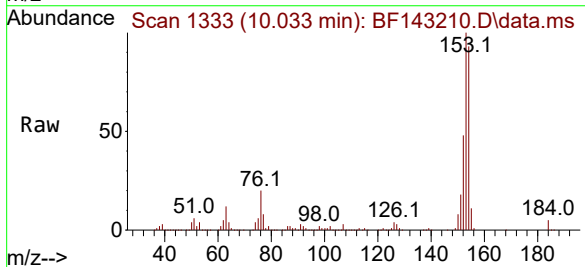
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

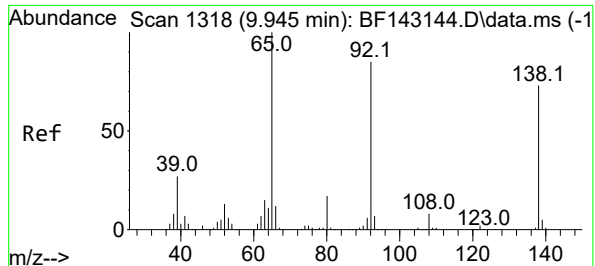
Tgt Ion:165 Resp: 101938
Ion Ratio Lower Upper
165 100
63 66.1 49.4 74.2
89 59.7 46.2 69.2



#52
Acenaphthene
Concen: 39.605 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:154 Resp: 424478
Ion Ratio Lower Upper
154 100
153 108.0 86.6 129.8
152 51.5 40.4 60.6





#53

3-Nitroaniline

Concen: 41.423 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

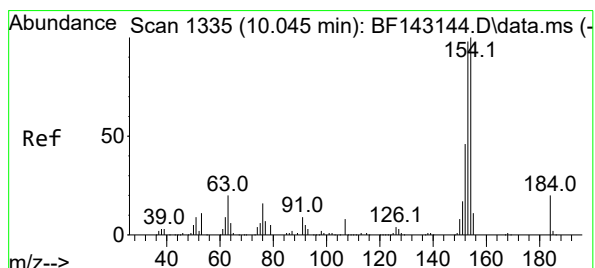
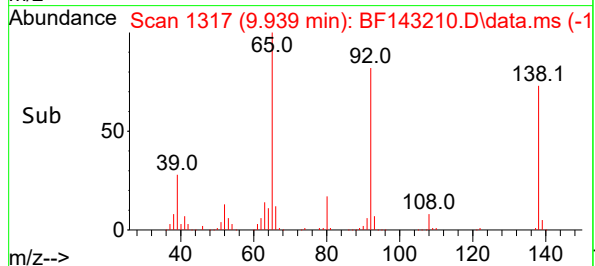
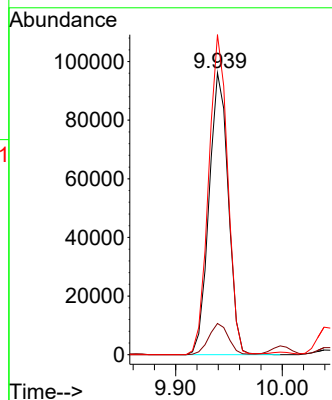
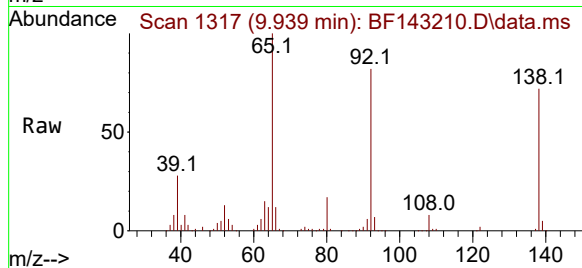
Tgt Ion:138 Resp: 120421

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.6

92 113.5 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 43.601 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

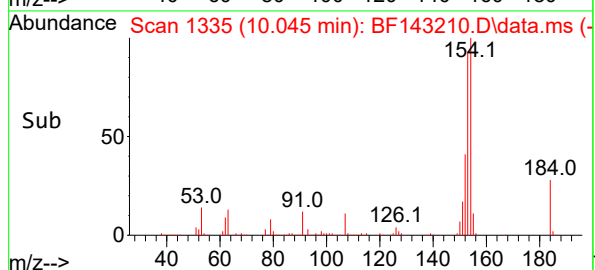
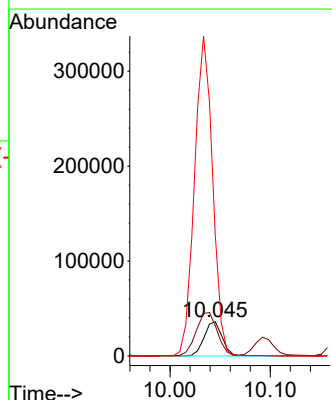
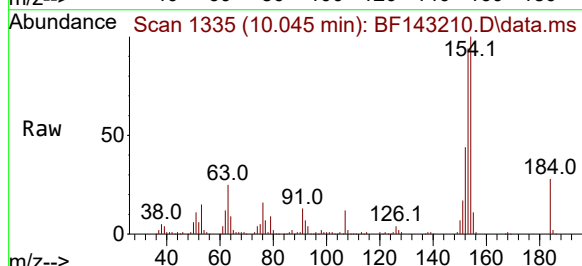
Tgt Ion:184 Resp: 45389

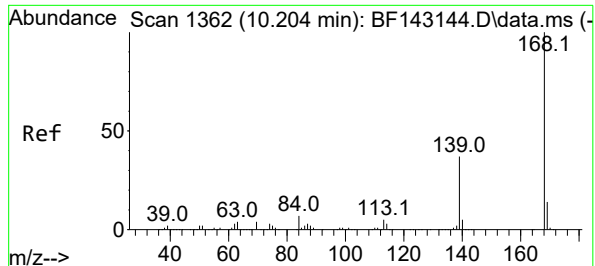
Ion Ratio Lower Upper

184 100

63 88.6 81.8 122.6

154 354.5 412.2 618.4#





#55

Dibenzenofuran

Concen: 39.327 ng

RT: 10.204 min Scan# 1362

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

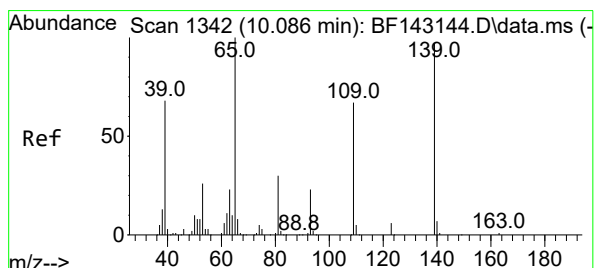
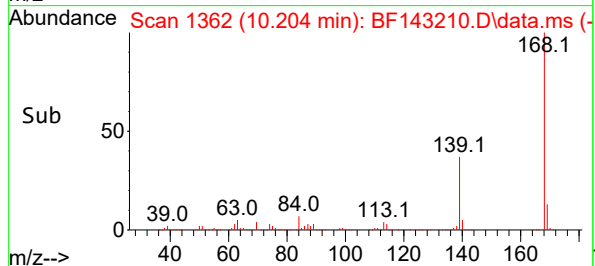
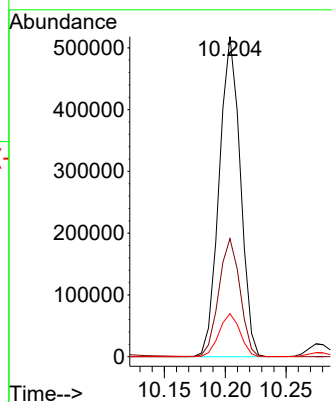
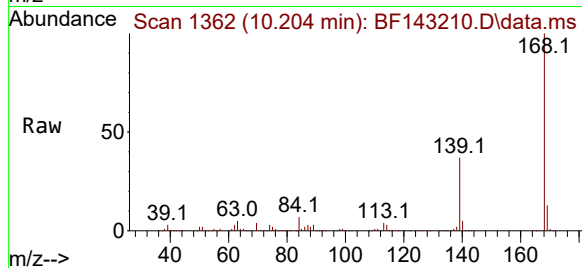
Tgt Ion:168 Resp: 625794

Ion Ratio Lower Upper

168 100

139 36.9 29.5 44.3

169 13.4 10.9 16.3



#56

4-Nitrophenol

Concen: 41.556 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

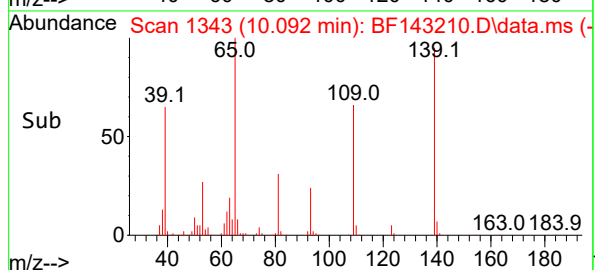
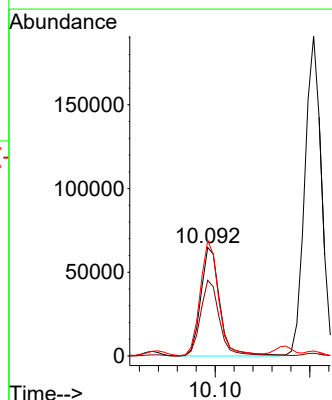
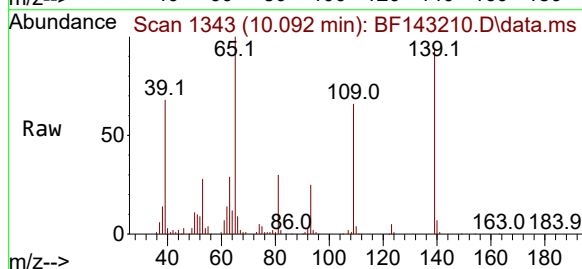
Tgt Ion:139 Resp: 90214

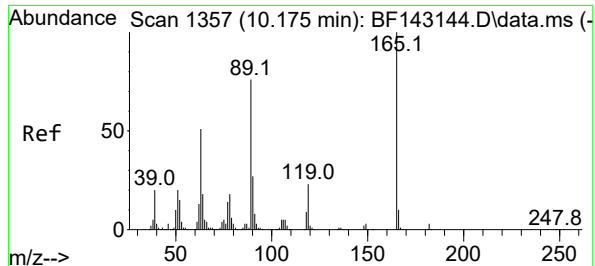
Ion Ratio Lower Upper

139 100

109 69.9 48.5 88.5

65 106.6 83.4 123.4





#57

2,4-Dinitrotoluene

Concen: 43.429 ng

RT: 10.175 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 135422

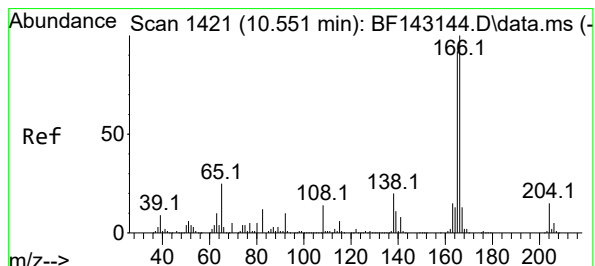
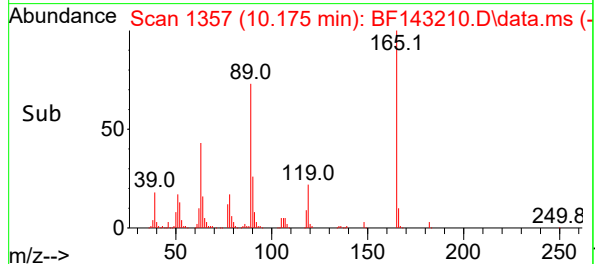
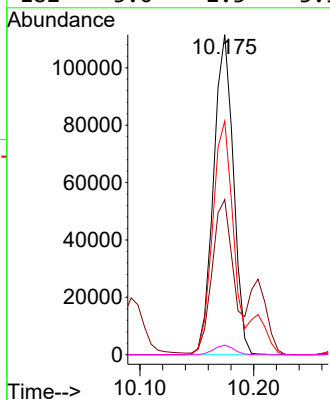
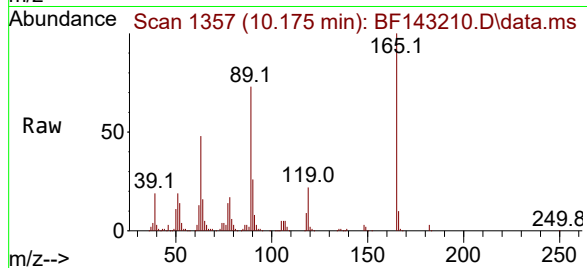
Ion Ratio Lower Upper

165 100

63 48.4 41.0 61.4

89 73.0 61.1 91.7

182 3.0 2.3 3.5



#58

Fluorene

Concen: 39.871 ng

RT: 10.545 min Scan# 1420

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

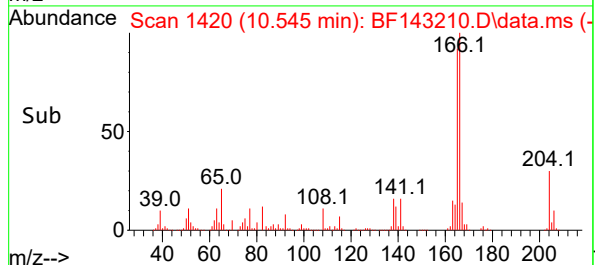
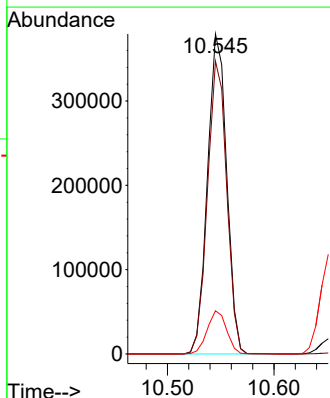
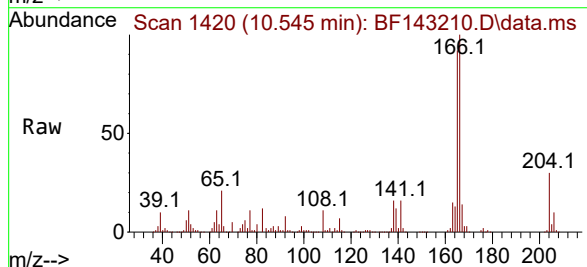
Tgt Ion:166 Resp: 476175

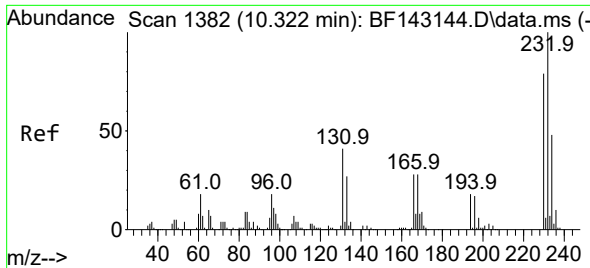
Ion Ratio Lower Upper

166 100

165 91.5 73.7 110.5

167 13.5 10.6 16.0

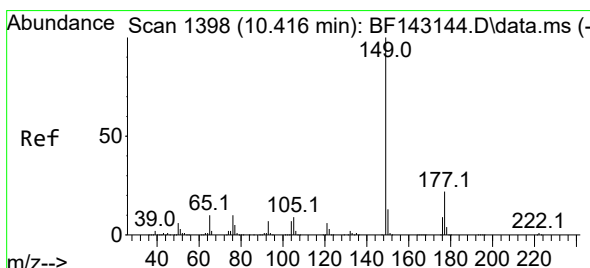
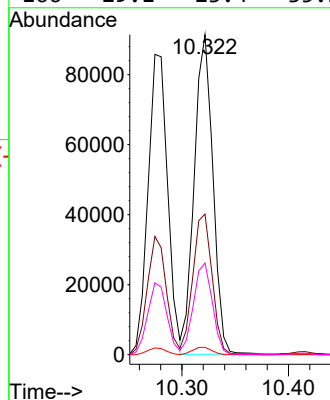
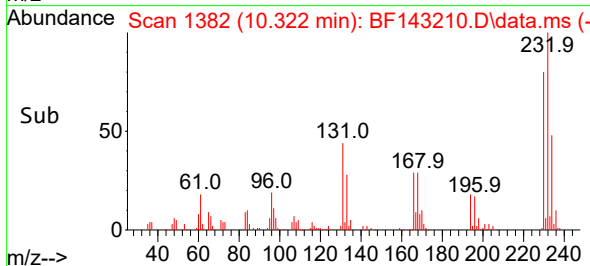
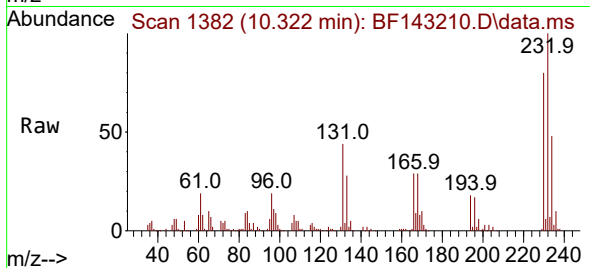




#59
2,3,4,6-Tetrachlorophenol
Concen: 35.835 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

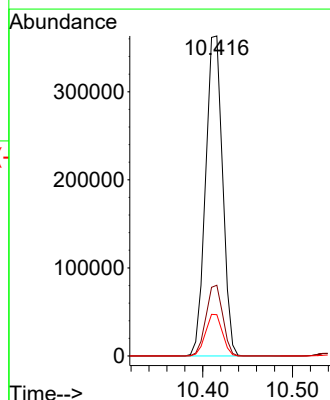
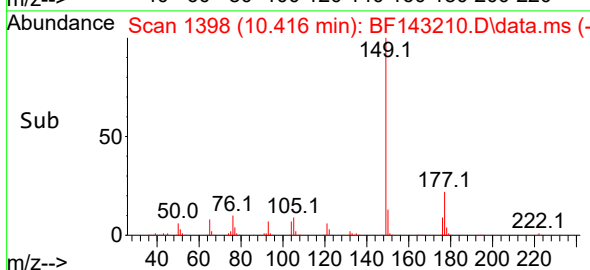
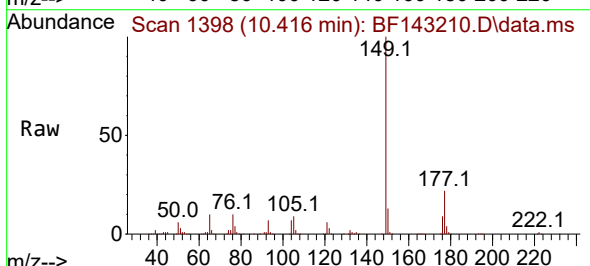
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

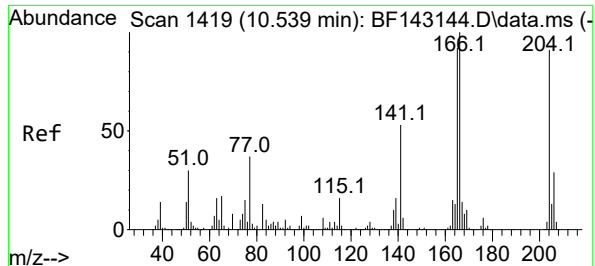
Tgt Ion:232 Resp: 111208
Ion Ratio Lower Upper
232 100
131 45.6 35.3 52.9
130 2.4 1.7 2.5
166 29.1 23.4 35.2



#60
Diethylphthalate
Concen: 39.593 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:149 Resp: 478128
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.9 10.2 15.2

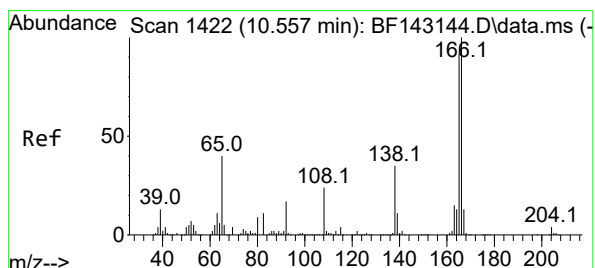
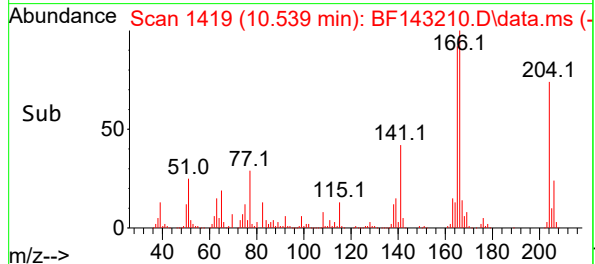
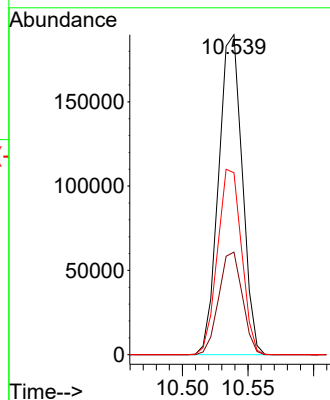
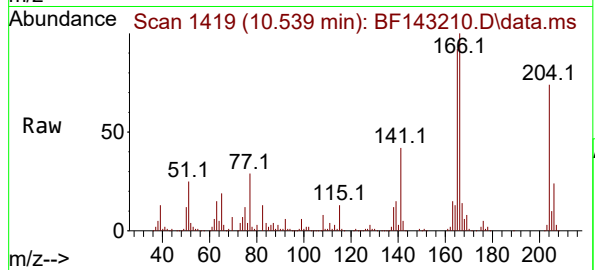




#61
4-Chlorophenyl-phenylether
Concen: 40.030 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

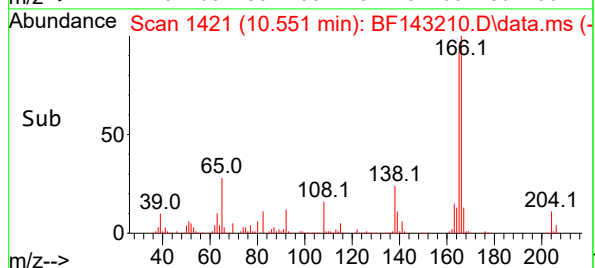
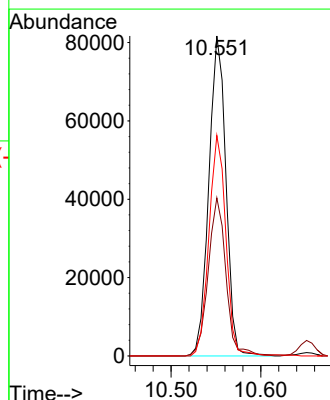
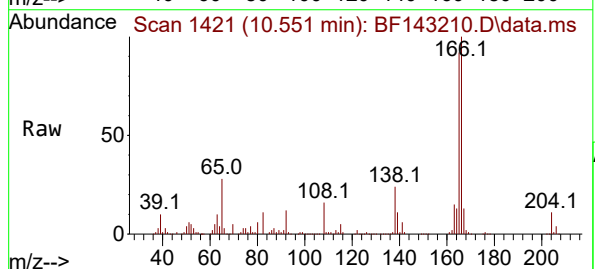
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

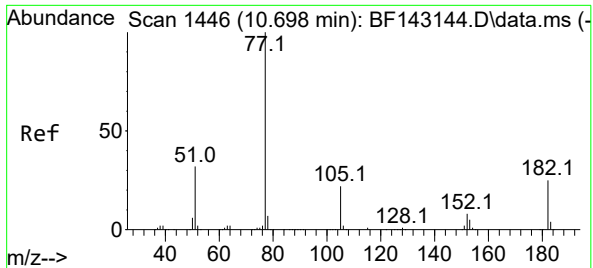
Tgt Ion:204 Resp: 238049
Ion Ratio Lower Upper
204 100
206 32.1 25.8 38.8
141 56.8 47.0 70.4



#62
4-Nitroaniline
Concen: 43.376 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:138 Resp: 108074
Ion Ratio Lower Upper
138 100
92 49.4 29.3 69.3
108 68.9 48.3 88.3

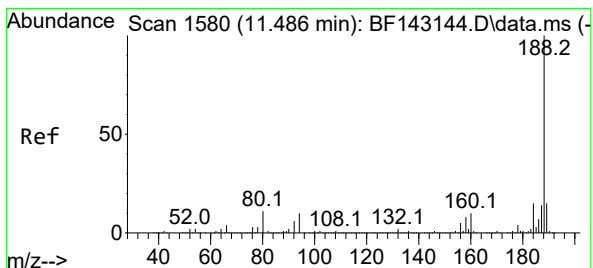
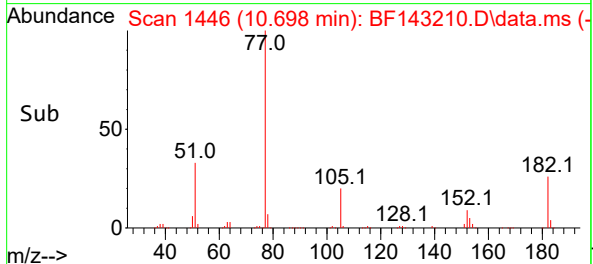
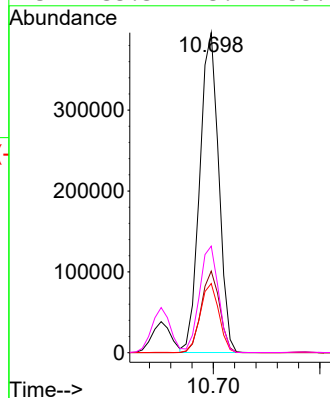
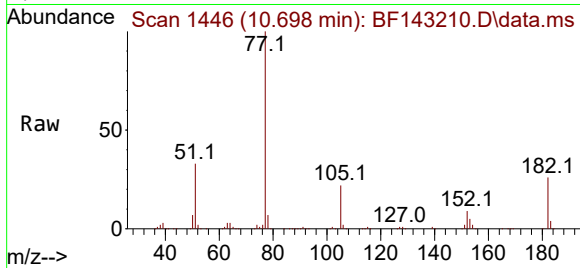




#63
Azobenzene
Concen: 38.867 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

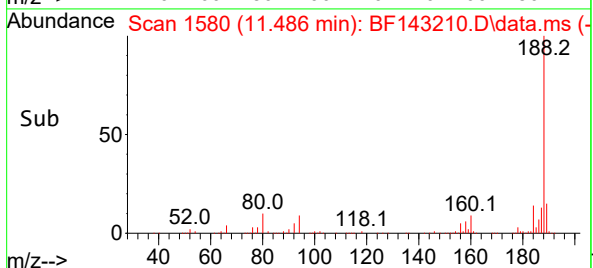
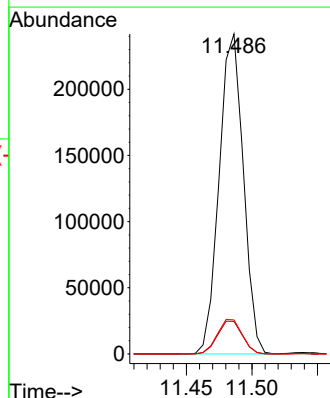
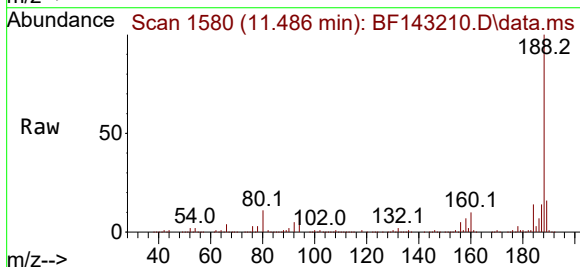
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

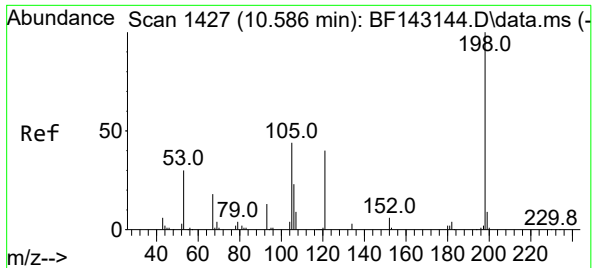
Tgt Ion: 77	Resp: 489180
Ion Ratio	Lower Upper
77 100	
182 25.5	4.6 44.6
105 21.6	1.4 41.4
51 33.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:188	Resp: 309922
Ion Ratio	Lower Upper
188 100	
94 10.2	8.3 12.5
80 10.7	9.0 13.6

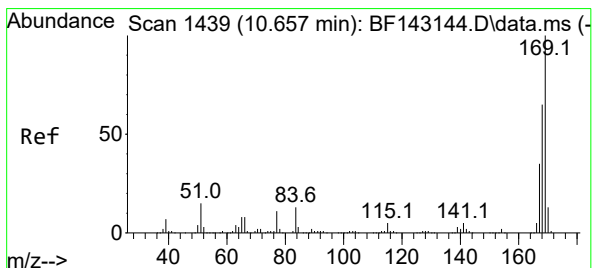
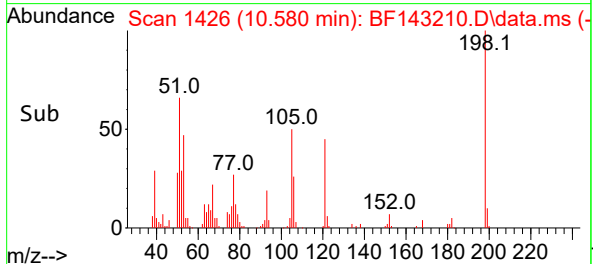
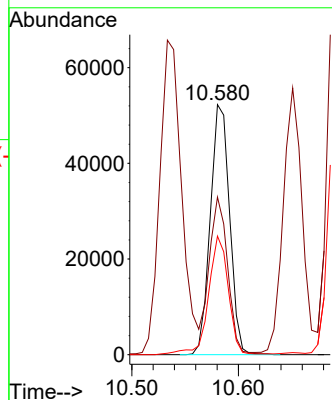
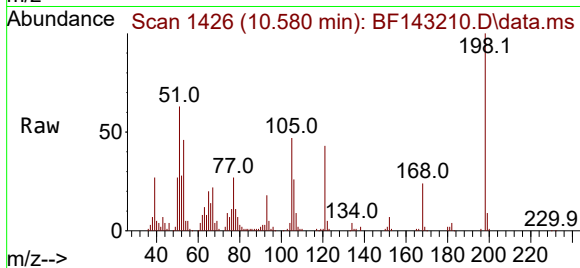




#65
4,6-Dinitro-2-methylphenol
Concen: 41.322 ng
RT: 10.580 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

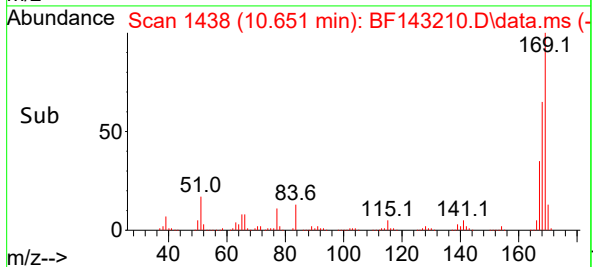
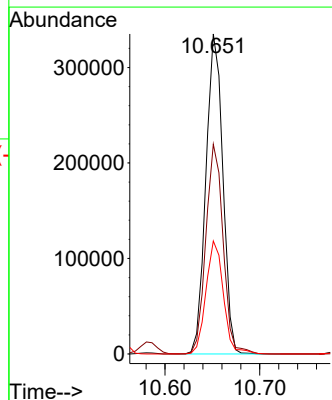
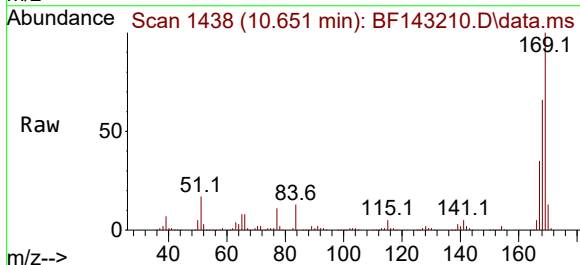
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

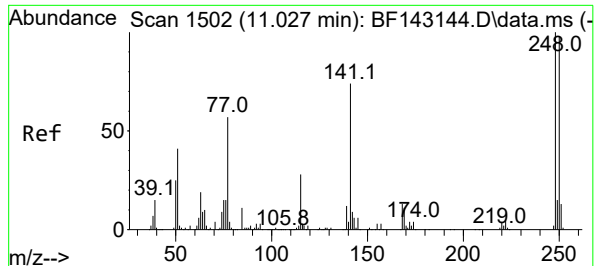
Tgt Ion:198 Resp: 65757
Ion Ratio Lower Upper
198 100
51 63.0 37.2 77.2
105 47.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 37.925 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:169 Resp: 413888
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.3 28.2 42.2

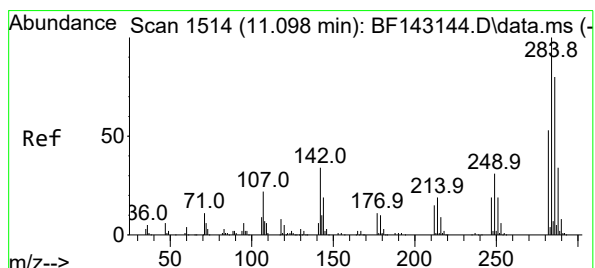
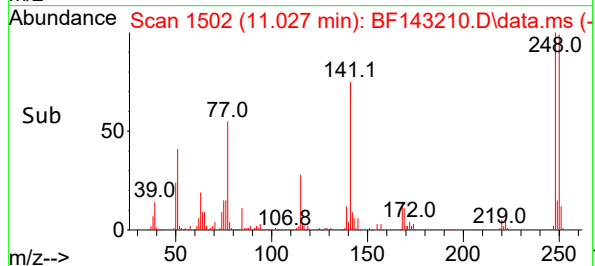
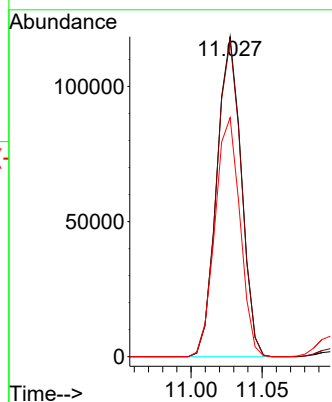
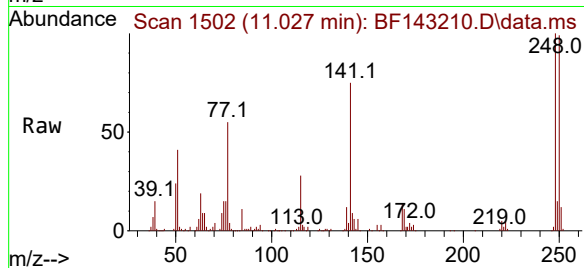




#67
4-Bromophenyl-phenylether
Concen: 38.488 ng
RT: 11.027 min Scan# 1502
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

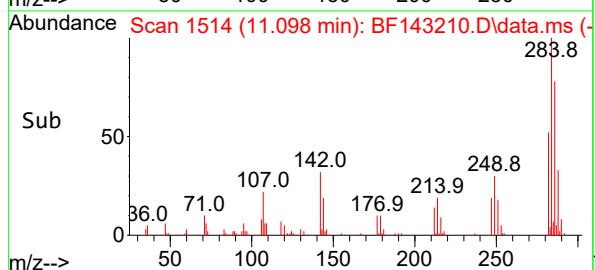
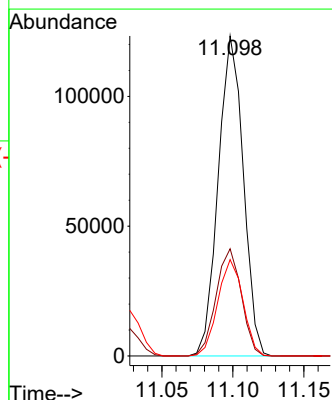
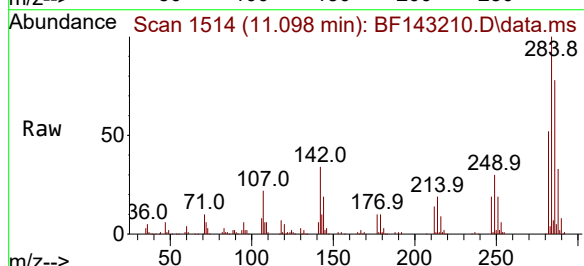
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

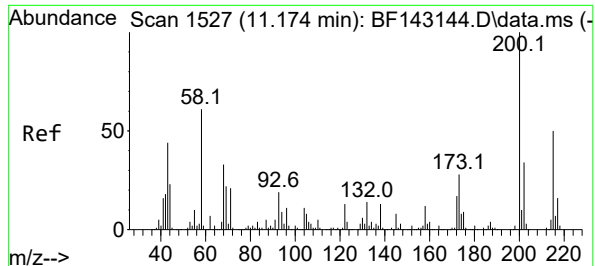
Tgt Ion:248 Resp: 142152
Ion Ratio Lower Upper
248 100
250 98.8 78.3 117.5
141 74.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 39.109 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:284 Resp: 150979
Ion Ratio Lower Upper
284 100
142 33.5 27.0 40.6
249 30.1 25.0 37.6





#69

Atrazine

Concen: 42.107 ng

RT: 11.174 min Scan# 1527

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

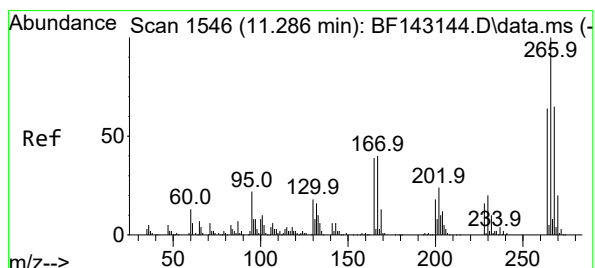
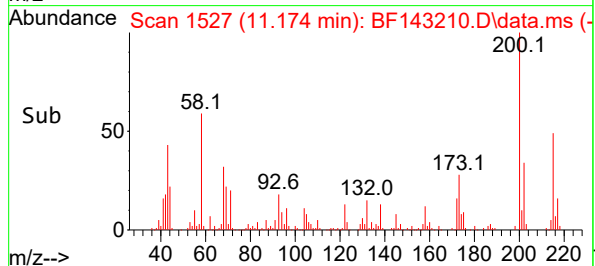
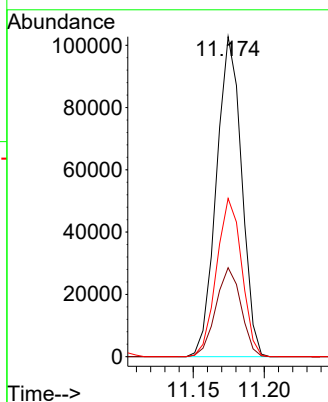
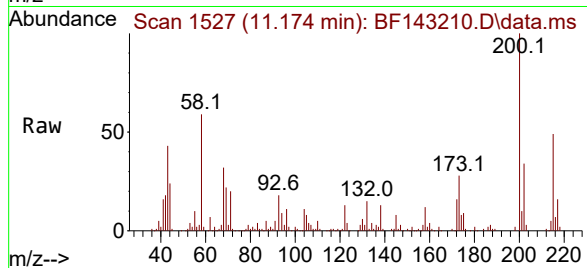
Tgt Ion:200 Resp: 126687

Ion Ratio Lower Upper

200 100

173 27.8 7.9 47.9

215 49.5 30.1 70.1



#70

Pentachlorophenol

Concen: 36.572 ng

RT: 11.286 min Scan# 1546

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

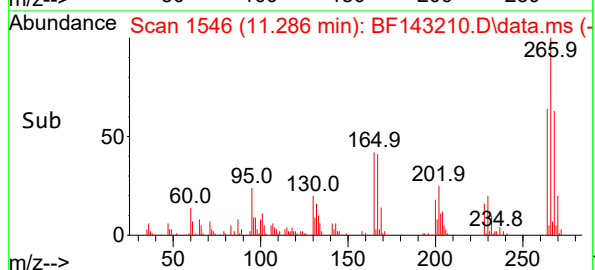
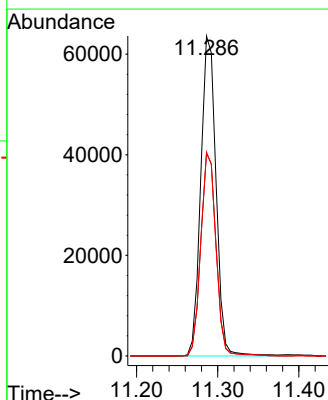
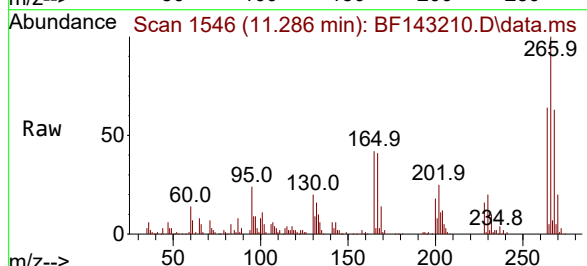
Tgt Ion:266 Resp: 83028

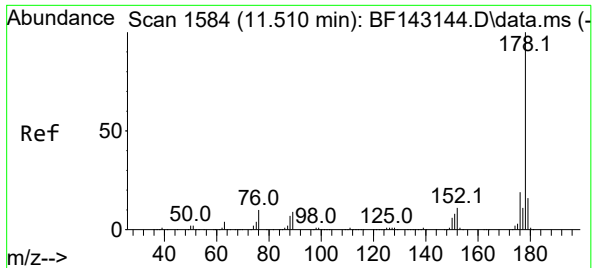
Ion Ratio Lower Upper

266 100

268 63.4 51.9 77.9

264 63.8 51.0 76.6

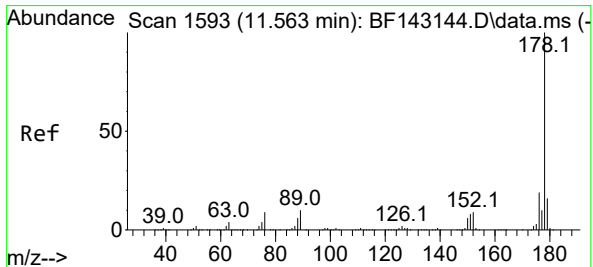
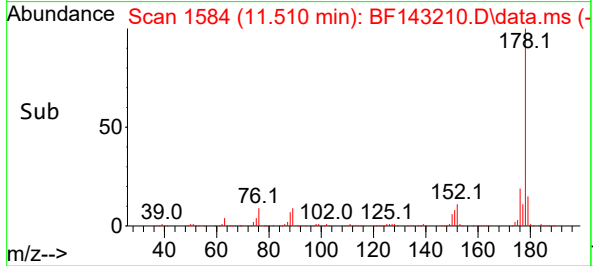
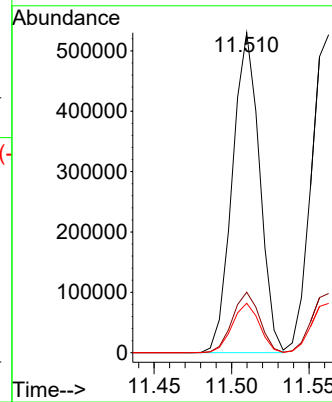
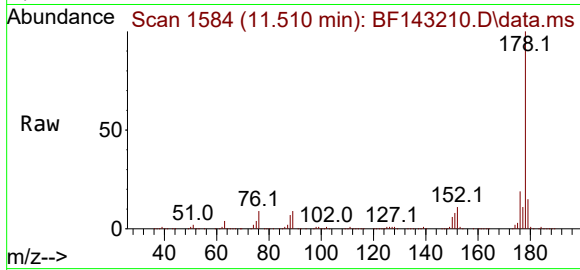




#71
Phenanthrene
Concen: 39.306 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

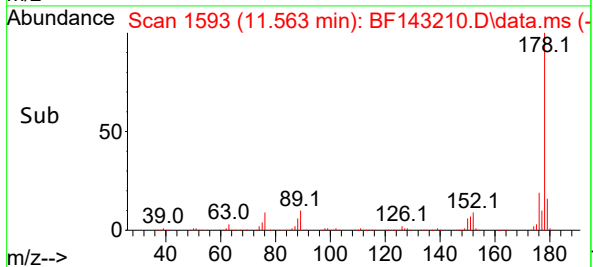
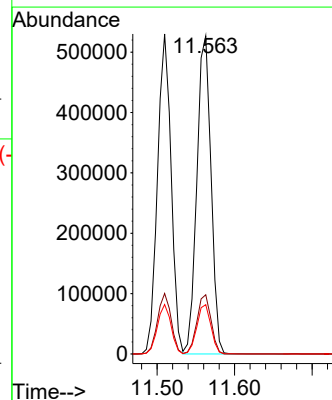
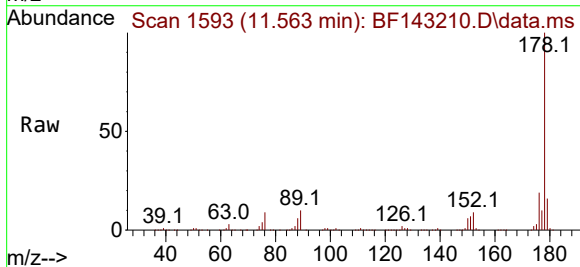
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

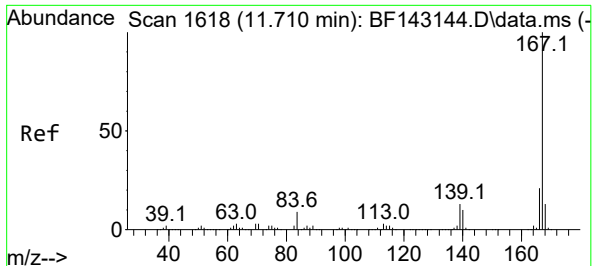
Tgt Ion:178 Resp: 646817
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 39.761 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

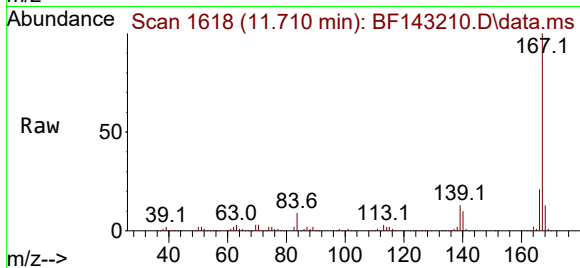
Tgt Ion:178 Resp: 667319
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.5 12.5 18.7



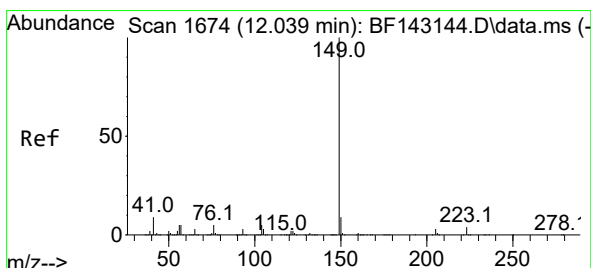
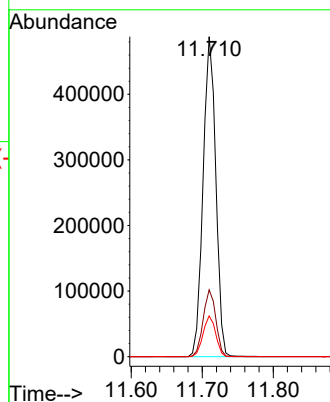
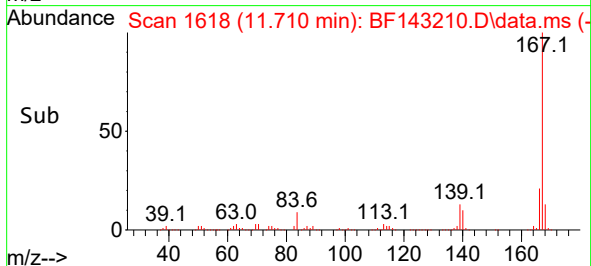


#73
 Carbazole
 Concen: 41.500 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. -0.000 min
 Lab File: BF143210.D
 Acq: 23 Jul 2025 14:33

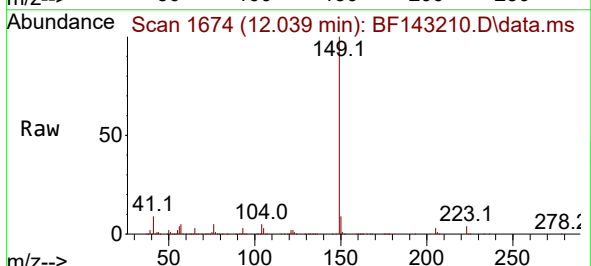
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



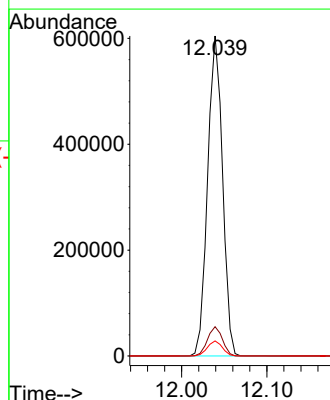
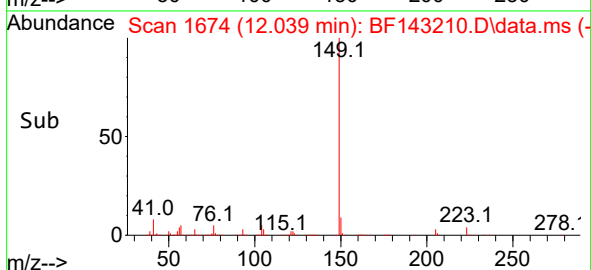
Tgt Ion:167 Resp: 608177
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.6
 139 12.8 10.0 15.0

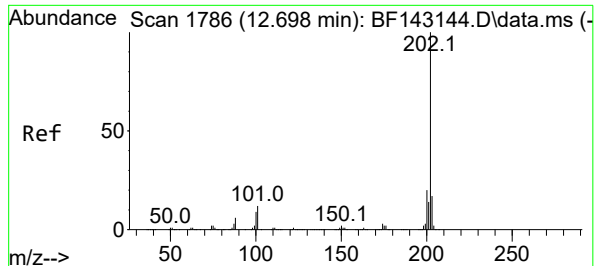


#74
 Di-n-butylphthalate
 Concen: 44.219 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. -0.000 min
 Lab File: BF143210.D
 Acq: 23 Jul 2025 14:33



Tgt Ion:149 Resp: 733248
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 44.615 ng

RT: 12.698 min Scan# 1786

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

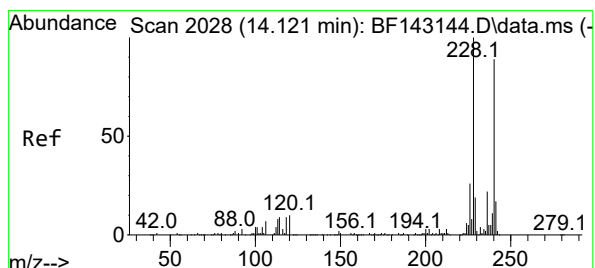
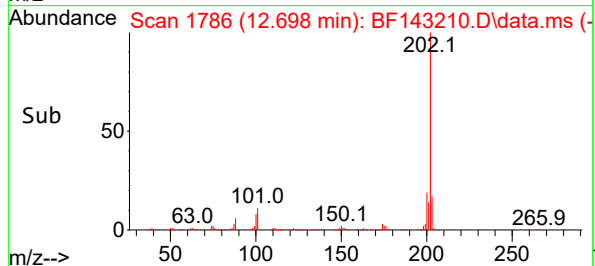
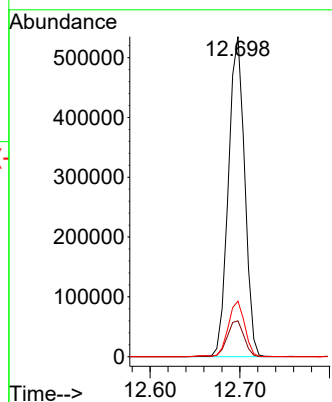
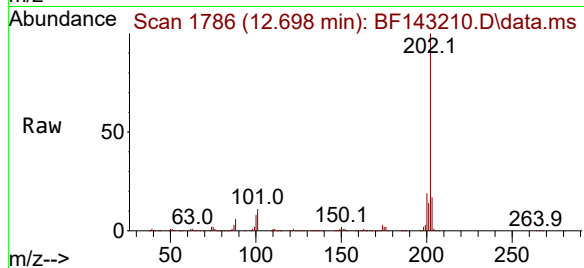
Tgt Ion:202 Resp: 673881

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.7

203 17.3 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

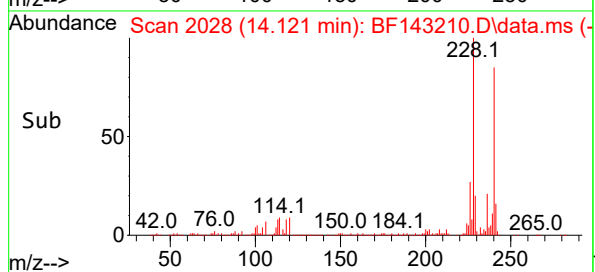
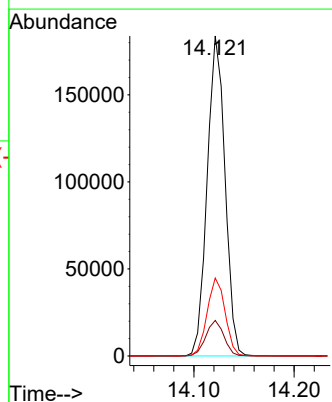
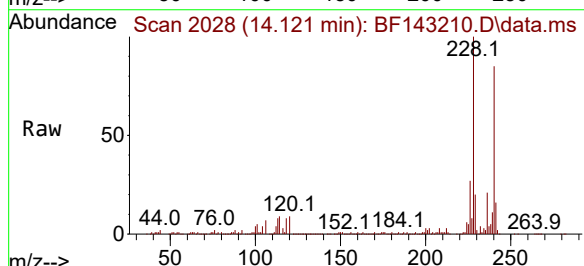
Tgt Ion:240 Resp: 228057

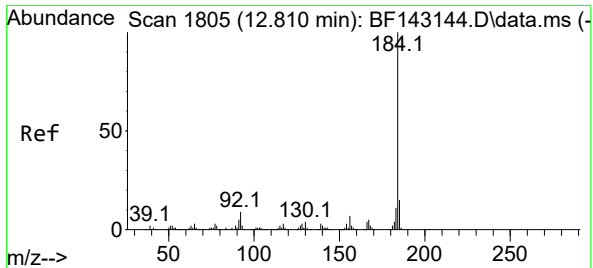
Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 24.4 20.2 30.4

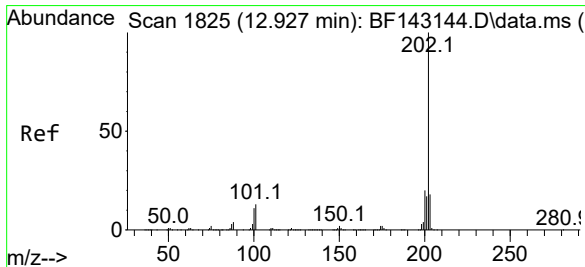
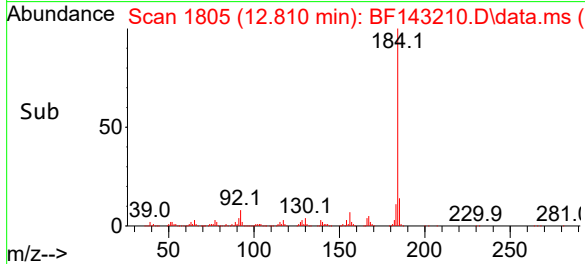
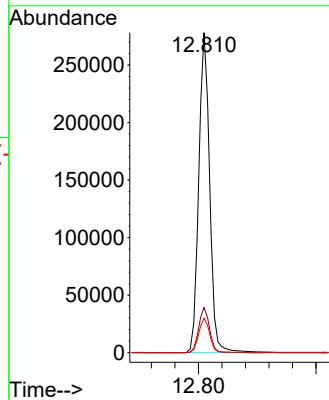
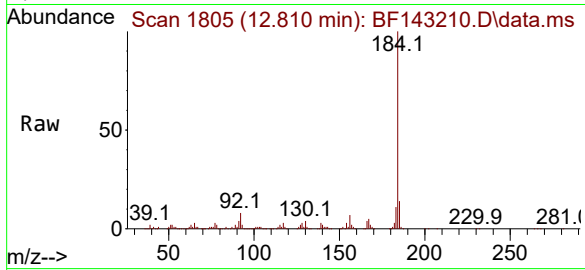




#77
Benzidine
Concen: 40.712 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

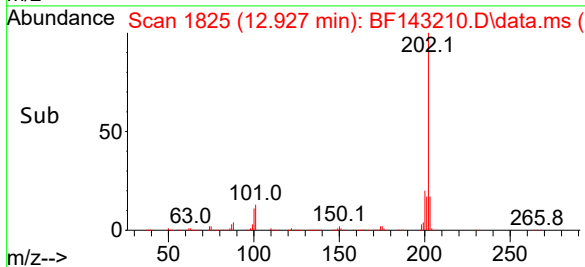
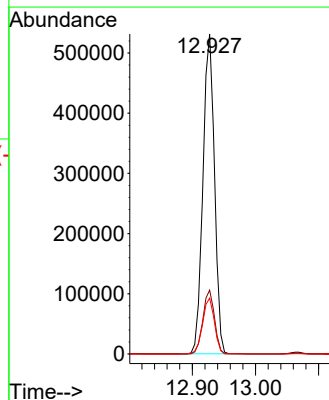
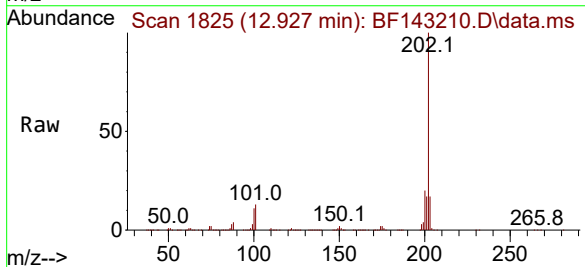
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

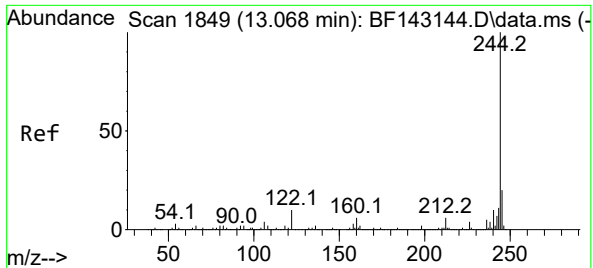
Tgt Ion:184 Resp: 357711
Ion Ratio Lower Upper
184 100
185 14.1 12.2 18.4
183 10.8 9.0 13.4



#78
Pyrene
Concen: 34.761 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:202 Resp: 676567
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 70.144 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

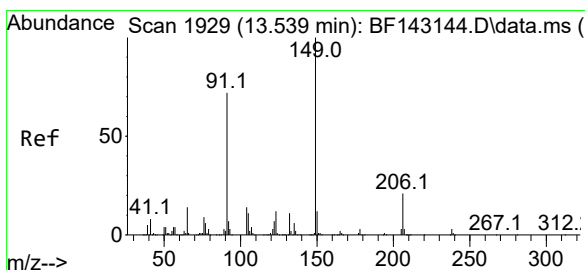
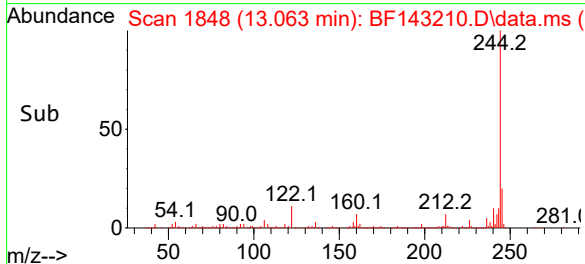
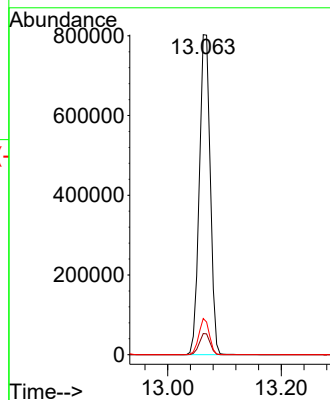
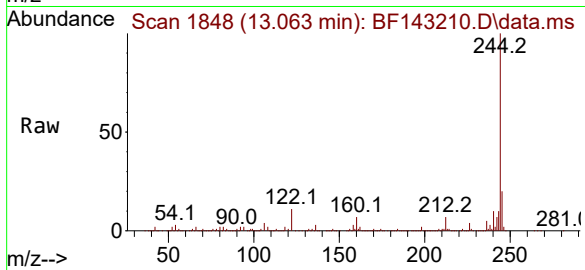
Tgt Ion:244 Resp: 1074970

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.140 ng

RT: 13.539 min Scan# 1929

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

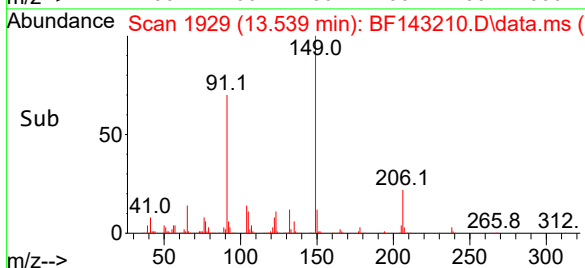
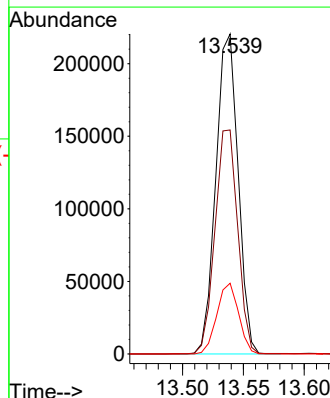
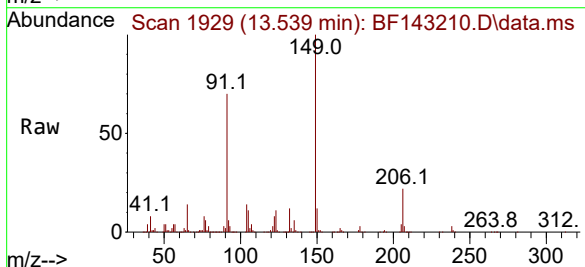
Tgt Ion:149 Resp: 280954

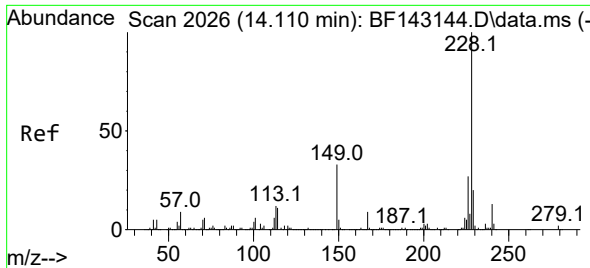
Ion Ratio Lower Upper

149 100

91 70.0 57.9 86.9

206 22.1 17.0 25.4

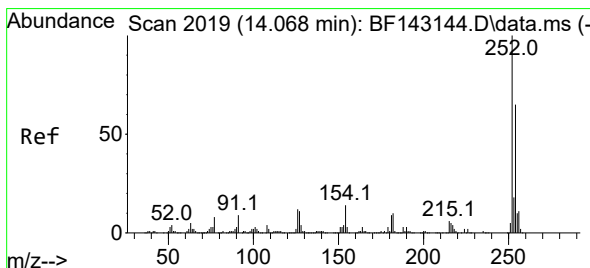
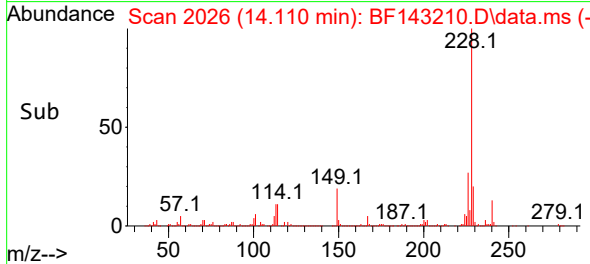
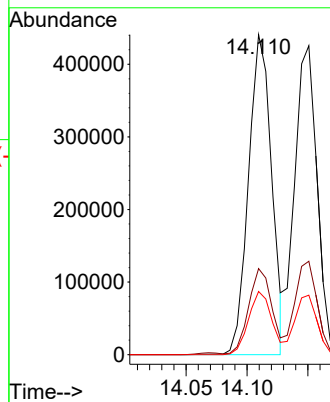
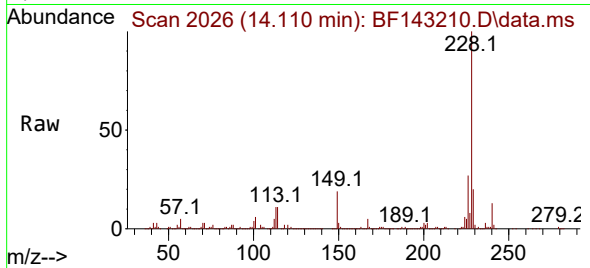




#81
Benzo(a)anthracene
Concen: 38.065 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

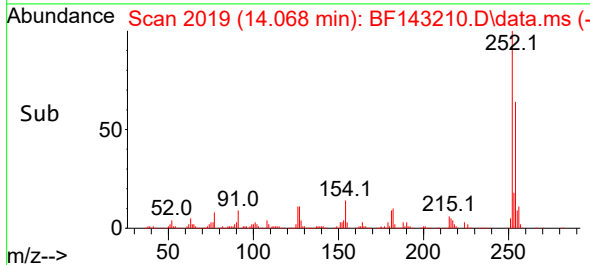
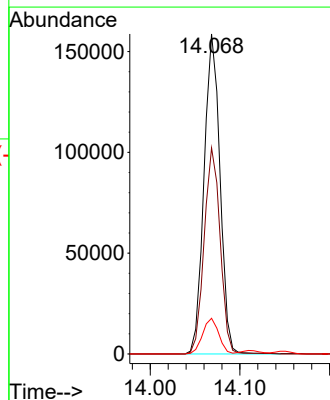
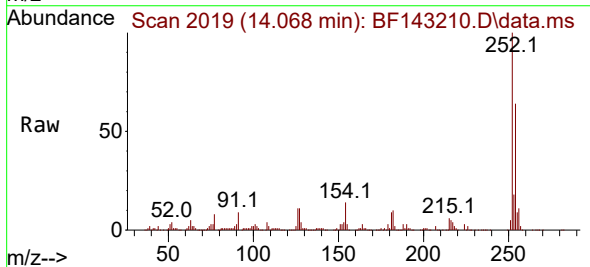
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

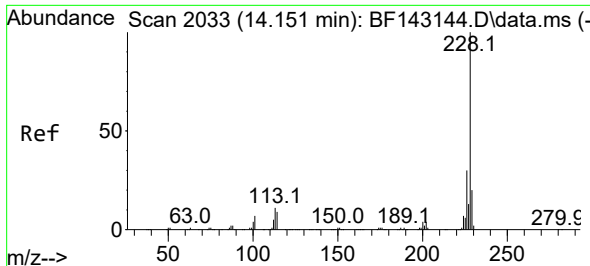
Tgt Ion:228 Resp: 581201
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.576 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:252 Resp: 196307
Ion Ratio Lower Upper
252 100
254 64.4 51.7 77.5
126 11.2 9.4 14.0





#83

Chrysene

Concen: 39.878 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

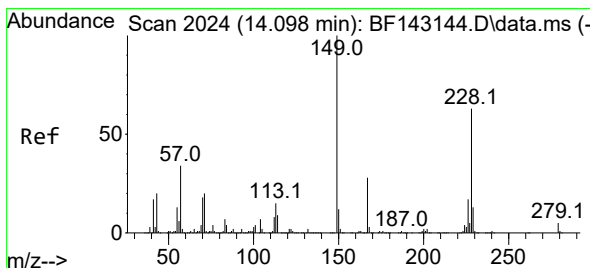
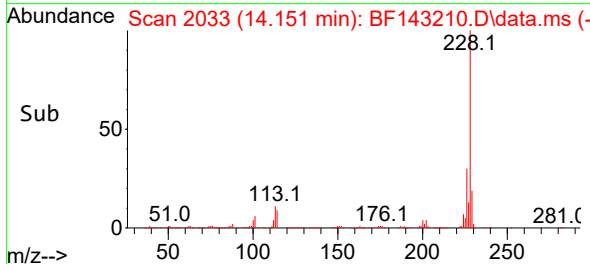
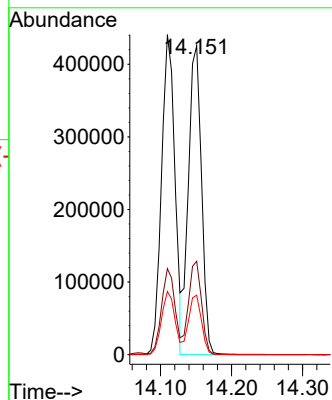
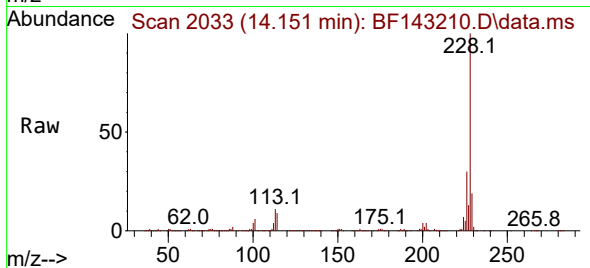
Tgt Ion:228 Resp: 547436

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.463 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

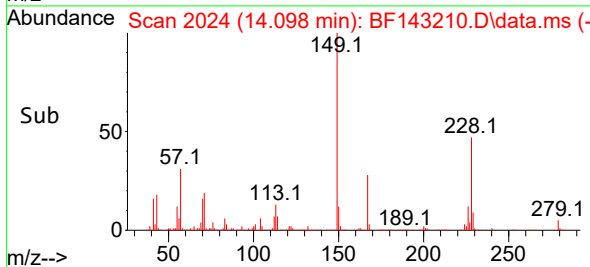
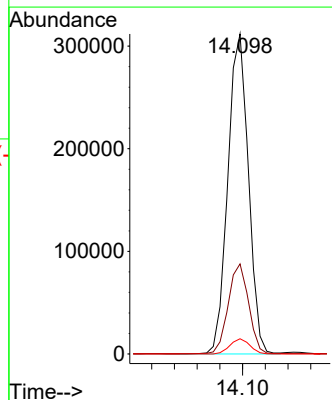
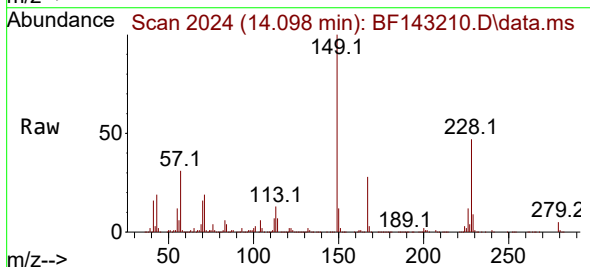
Tgt Ion:149 Resp: 392081

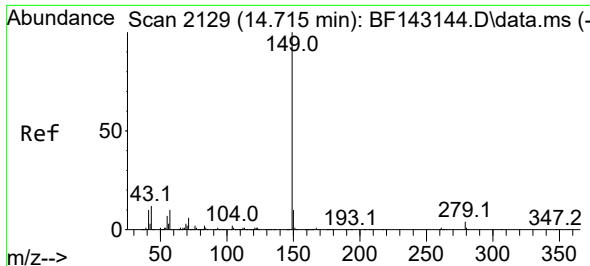
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.8 3.6 5.4

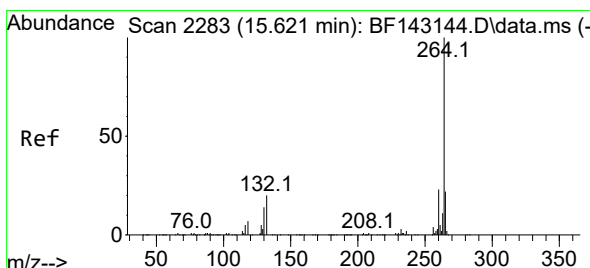
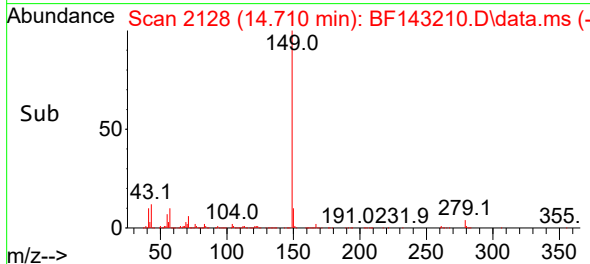
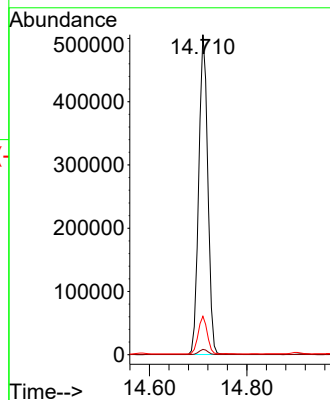
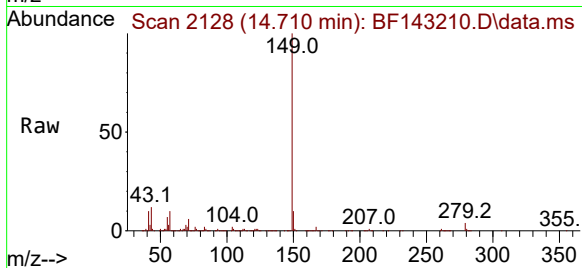




#85
Di-n-octyl phthalate
Concen: 40.193 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

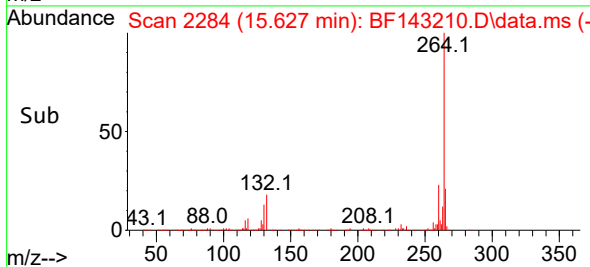
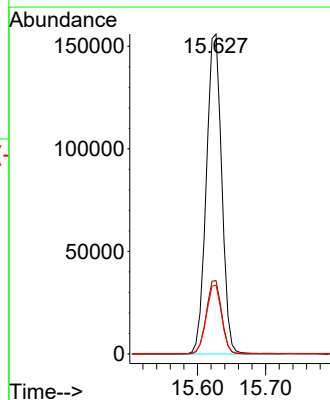
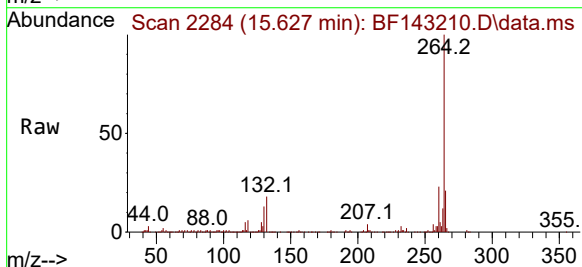
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

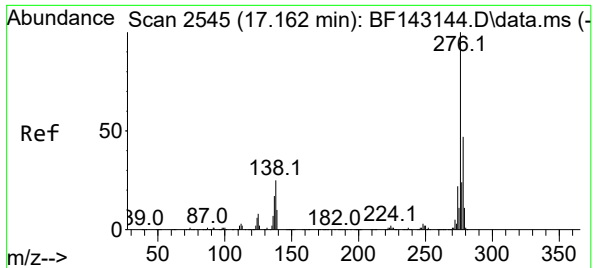
Tgt Ion:149 Resp: 657230
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.7 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:264 Resp: 245226
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.5 17.4 26.2

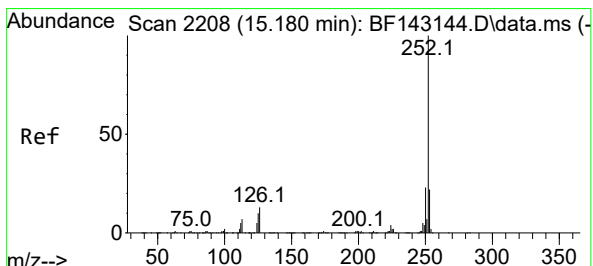
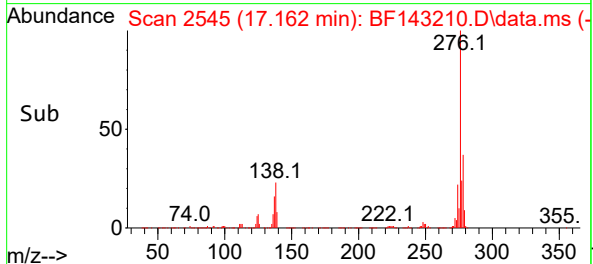
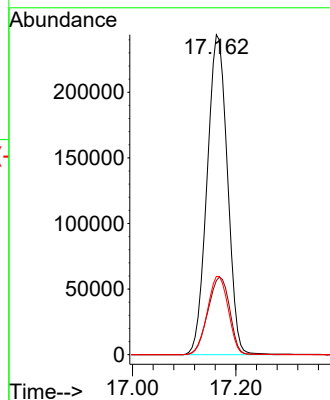
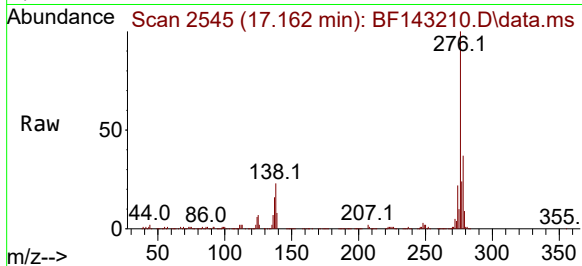




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.487 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

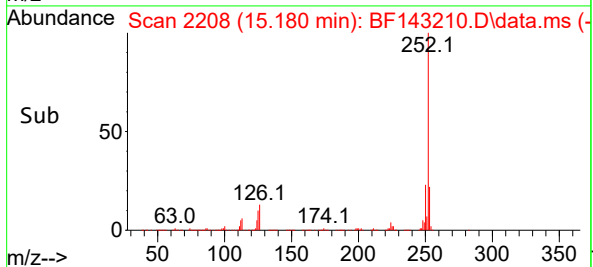
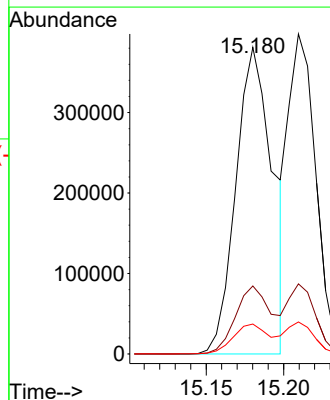
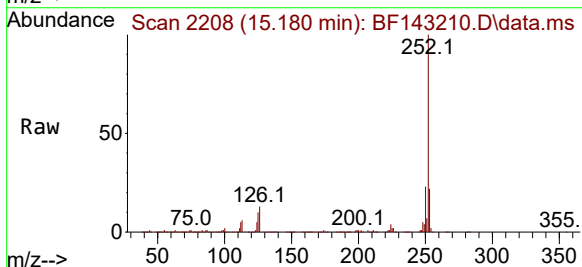
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

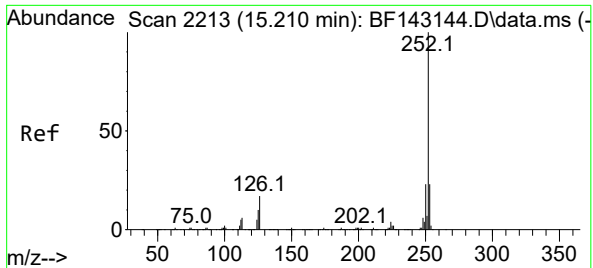
Tgt Ion:276 Resp: 665501
Ion Ratio Lower Upper
276 100
138 26.1 21.8 32.6
277 25.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 41.819 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143210.D
Acq: 23 Jul 2025 14:33

Tgt Ion:252 Resp: 626496
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 9.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 36.623 ng

RT: 15.210 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

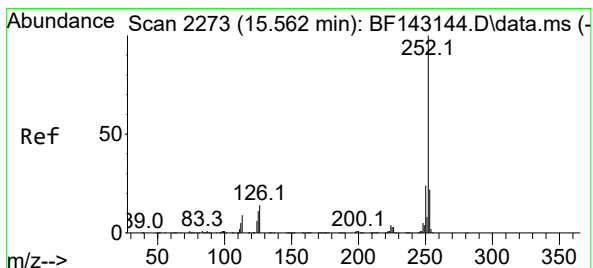
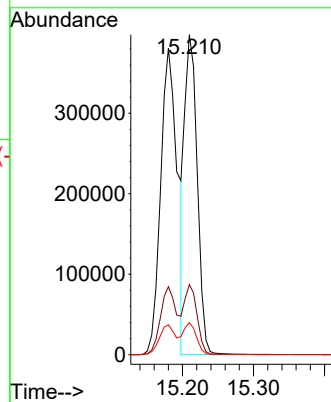
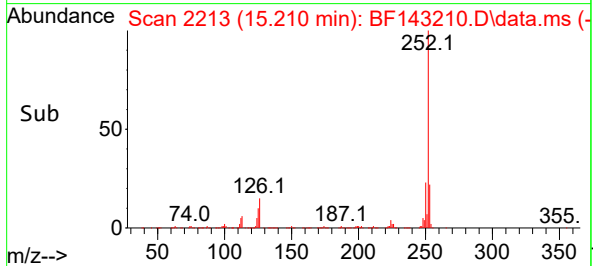
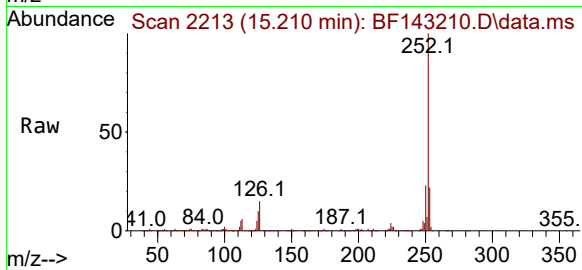
Tgt Ion:252 Resp: 489587

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 10.0 8.1 12.1



#90

Benzo(a)pyrene

Concen: 39.377 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

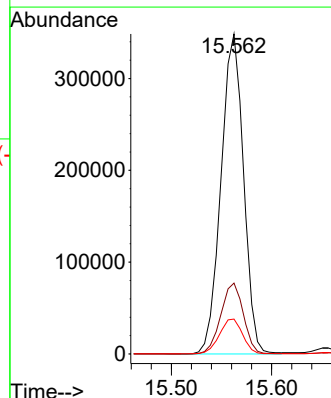
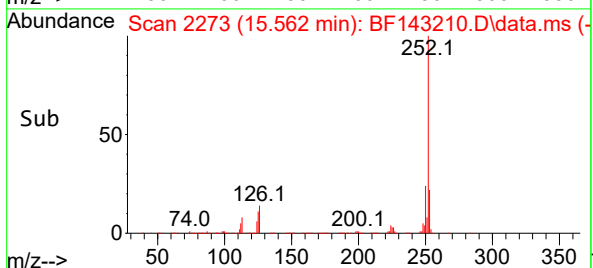
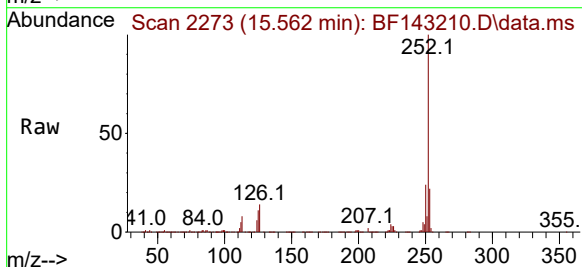
Tgt Ion:252 Resp: 543505

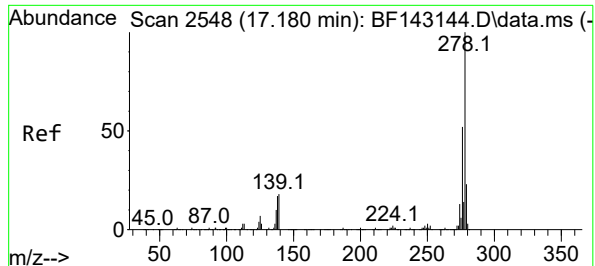
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

125 10.9 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 38.668 ng

RT: 17.180 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

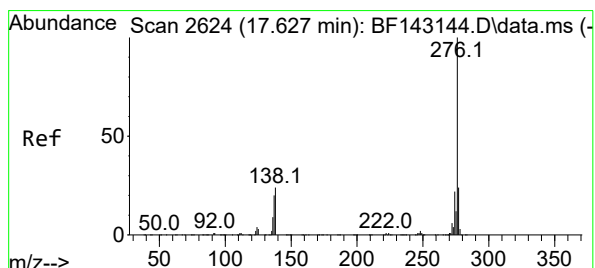
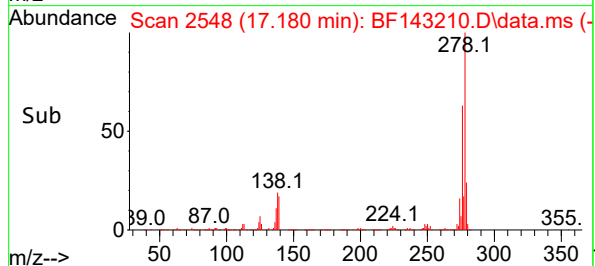
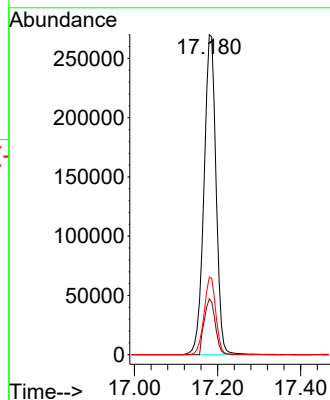
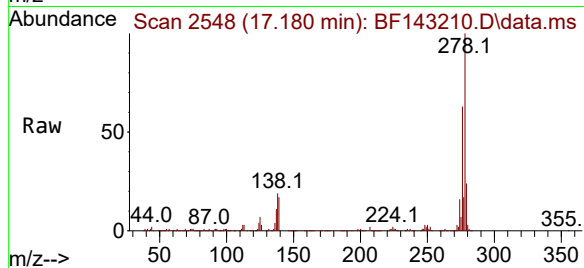
Tgt Ion:278 Resp: 544233

Ion Ratio Lower Upper

278 100

139 17.5 14.1 21.1

279 24.3 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 39.524 ng

RT: 17.633 min Scan# 2625

Delta R.T. 0.006 min

Lab File: BF143210.D

Acq: 23 Jul 2025 14:33

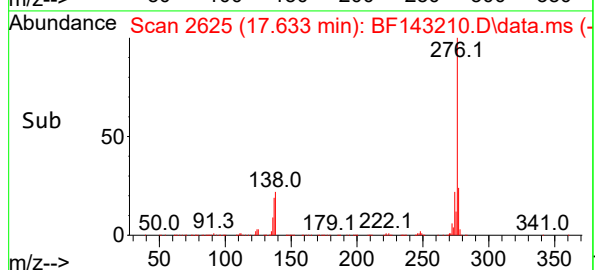
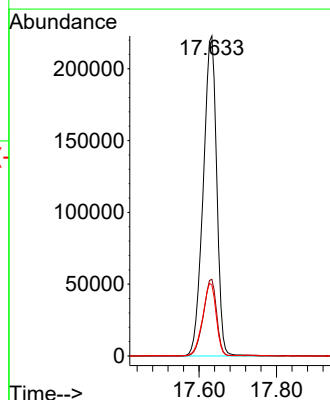
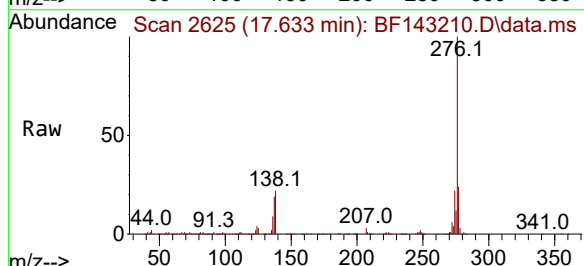
Tgt Ion:276 Resp: 538105

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 22.2 18.9 28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	0.00
2	1,4-Dioxane	0.598	0.584	2.3	57	-0.02
3	Pyridine	1.552	1.455	6.2	55	-0.01
4	n-Nitrosodimethylamine	0.801	0.779	2.7	56	-0.02
5 S	2-Fluorophenol	1.264	1.243	1.7	59	0.00
6	Aniline	2.217	2.069	6.7	55	0.00
7 S	Phenol-d6	1.591	1.523	4.3	57	0.00
8	2-Chlorophenol	1.325	1.298	2.0	58	0.00
9	Benzaldehyde	1.193	1.066	10.6	43#	0.00
10 C	Phenol	1.733	1.726	0.4	59	0.00
11	bis(2-Chloroethyl)ether	1.327	1.254	5.5	56	0.00
12	1,3-Dichlorobenzene	1.439	1.444	-0.3	60	0.00
13 C	1,4-Dichlorobenzene	1.449	1.442	0.5	59	0.00
14	1,2-Dichlorobenzene	1.378	1.382	-0.3	60	0.00
15	Benzyl Alcohol	1.215	1.173	3.5	56	0.00
16	2,2'-oxybis(1-Chloropropane	2.461	2.315	5.9	56	0.00
17	2-Methylphenol	1.114	1.066	4.3	57	0.00
18	Hexachloroethane	0.502	0.518	-3.2	61	0.00
19 P	n-Nitroso-di-n-propylamine	1.021	0.929	9.0	55	0.00
20	3+4-Methylphenols	1.351	1.319	2.4	57	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	57	0.00
22	Acetophenone	0.474	0.460	3.0	57	0.00
23 S	Nitrobenzene-d5	0.401	0.408	-1.7	58	0.00
24	Nitrobenzene	0.374	0.377	-0.8	57	0.00
25	Isophorone	0.708	0.669	5.5	55	0.00
26 C	2-Nitrophenol	0.162	0.179	-10.5	59	0.00
27	2,4-Dimethylphenol	0.331	0.316	4.5	55	0.00
28	bis(2-Chloroethoxy)methane	0.425	0.401	5.6	55	0.00
29 C	2,4-Dichlorophenol	0.279	0.275	1.4	57	0.00
30	1,2,4-Trichlorobenzene	0.302	0.307	-1.7	59	0.00
31	Naphthalene	0.985	0.978	0.7	58	0.00
32	Benzoic acid	0.169	0.190	-12.4	60	0.00
33	4-Chloroaniline	0.402	0.385	4.2	56	0.00
34 C	Hexachlorobutadiene	0.184	0.189	-2.7	59	0.00
35	Caprolactam	0.084	0.086	-2.4	56	-0.02
36 C	4-Chloro-3-methylphenol	0.303	0.294	3.0	56	0.00
37	2-Methylnaphthalene	0.599	0.593	1.0	58	0.00
38	1-Methylnaphthalene	0.617	0.615	0.3	58	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	56	0.00
40	1,2,4,5-Tetrachlorobenzene	0.577	0.577	0.0	59	0.00
41 P	Hexachlorocyclopentadiene	0.376	0.395	-5.1	60	0.00
42 S	2,4,6-Tribromophenol	0.207	0.202	2.4	54	0.00
43 C	2,4,6-Trichlorophenol	0.400	0.386	3.5	57	0.00
44	2,4,5-Trichlorophenol	0.400	0.402	-0.5	56	0.00
45 S	2-Fluorobiphenyl	1.462	1.452	0.7	60	0.00
46	1,1'-Biphenyl	1.560	1.539	1.3	58	0.00
47	2-Chloronaphthalene	1.155	1.124	2.7	58	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.362	0.373	-3.0	56	0.00
49	Acenaphthylene	1.935	1.886	2.5	57	0.00
50	Dimethylphthalate	1.304	1.287	1.3	57	0.00
51	2,6-Dinitrotoluene	0.265	0.272	-2.6	55	0.00
52 C	Acenaphthene	1.144	1.132	1.0	58	0.00
53	3-Nitroaniline	0.310	0.321	-3.5	57	0.00
54 P	2,4-Dinitrophenol	0.098	0.121	-23.5	66	0.00
55	Dibenzofuran	1.698	1.669	1.7	58	0.00
56 P	4-Nitrophenol	0.232	0.241	-3.9	55	0.00
57	2,4-Dinitrotoluene	0.333	0.361	-8.4	58	0.00
58	Fluorene	1.274	1.270	0.3	59	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.297	10.3	50	0.00
60	Diethylphthalate	1.289	1.275	1.1	57	0.00
61	4-Chlorophenyl-phenylether	0.635	0.635	0.0	59	0.00
62	4-Nitroaniline	0.266	0.288	-8.3	58	0.00
63	Azobenzene	1.343	1.305	2.8	56	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	57	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.106	-12.8	62	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.668	5.1	57	0.00
67	4-Bromophenyl-phenylether	0.238	0.229	3.8	57	0.00
68	Hexachlorobenzene	0.249	0.244	2.0	58	0.00
69	Atrazine	0.194	0.204	-5.2	59	0.00
70 C	Pentachlorophenol	0.147	0.134	8.8	52	0.00
71	Phenanthrene	1.062	1.044	1.7	58	0.00
72	Anthracene	1.083	1.077	0.6	59	0.00
73	Carbazole	0.946	0.981	-3.7	60	0.00
74	Di-n-butylphthalate	1.070	1.183	-10.6	63	0.00
75 C	Fluoranthene	0.975	1.087	-11.5	65	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77	Benzydine	0.771	0.784	-1.7	63	0.00
78	Pyrene	1.707	1.483	13.1	67	0.00
79 S	Terphenyl-d14	1.344	1.178	12.4	69	0.00
80	Butylbenzylphthalate	0.523	0.616	-17.8	87	0.00
81	Benzo(a)anthracene	1.339	1.274	4.9	77	0.00
82	3,3'-Dichlorobenzidine	0.446	0.430	3.6	77	0.00
83	Chrysene	1.204	1.200	0.3	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.860	-8.7	84	0.00
85 c	Di-n-octyl phthalate	1.434	1.441	-0.5	80	0.00
86 I	Perylene-d12	1.000	1.000	0.0	76	0.00
87	Indeno(1,2,3-cd)pyrene	1.410	1.357	3.8	73	0.00
88	Benzo(b)fluoranthene	1.222	1.277	-4.5	84	0.00
89	Benzo(k)fluoranthene	1.090	0.998	8.4	67	0.00
90 C	Benzo(a)pyrene	1.126	1.108	1.6	75	0.00
91	Dibenzo(a,h)anthracene	1.148	1.110	3.3	73	0.00
92	Benzo(g,h,i)perylene	1.110	1.097	1.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143210.D
Acq On : 23 Jul 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	58	0.00
2	1,4-Dioxane	40.000	39.043	2.4	57	-0.02
3	Pyridine	40.000	37.501	6.2	55	-0.01
4	n-Nitrosodimethylamine	40.000	38.857	2.9	56	-0.02
5 S	2-Fluorophenol	80.000	78.697	1.6	59	0.00
6	Aniline	40.000	37.330	6.7	55	0.00
7 S	Phenol-d6	80.000	76.594	4.3	57	0.00
8	2-Chlorophenol	40.000	39.203	2.0	58	0.00
9	Benzaldehyde	40.000	35.749	10.6	43	0.00
10 C	Phenol	40.000	39.837	0.4	59	0.00
11	bis(2-Chloroethyl)ether	40.000	37.812	5.5	56	0.00
12	1,3-Dichlorobenzene	40.000	40.124	-0.3	60	0.00
13 C	1,4-Dichlorobenzene	40.000	39.792	0.5	59	0.00
14	1,2-Dichlorobenzene	40.000	40.116	-0.3	60	0.00
15	Benzyl Alcohol	40.000	38.639	3.4	56	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.612	6.0	56	0.00
17	2-Methylphenol	40.000	38.282	4.3	57	0.00
18	Hexachloroethane	40.000	41.296	-3.2	61	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.393	9.0	55	0.00
20	3+4-Methylphenols	40.000	39.051	2.4	57	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	57	0.00
22	Acetophenone	40.000	38.853	2.9	57	0.00
23 S	Nitrobenzene-d5	80.000	81.332	-1.7	58	0.00
24	Nitrobenzene	40.000	40.321	-0.8	57	0.00
25	Isophorone	40.000	37.791	5.5	55	0.00
26 C	2-Nitrophenol	40.000	44.072	-10.2	59	0.00
27	2,4-Dimethylphenol	40.000	38.169	4.6	55	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.737	5.7	55	0.00
29 C	2,4-Dichlorophenol	40.000	39.391	1.5	57	0.00
30	1,2,4-Trichlorobenzene	40.000	40.763	-1.9	59	0.00
31	Naphthalene	40.000	39.723	0.7	58	0.00
32	Benzoic acid	40.000	41.627	-4.1	60	0.00
33	4-Chloroaniline	40.000	38.259	4.4	56	0.00
34 C	Hexachlorobutadiene	40.000	40.960	-2.4	59	0.00
35	Caprolactam	40.000	40.895	-2.2	56	-0.02
36 C	4-Chloro-3-methylphenol	40.000	38.764	3.1	56	0.00
37	2-Methylnaphthalene	40.000	39.580	1.1	58	0.00
38	1-Methylnaphthalene	40.000	39.872	0.3	58	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	56	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.956	0.1	59	0.00
41 P	Hexachlorocyclopentadiene	40.000	42.082	-5.2	60	0.00
42 S	2,4,6-Tribromophenol	80.000	78.251	2.2	54	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.625	3.4	57	0.00
44	2,4,5-Trichlorophenol	40.000	40.211	-0.5	56	0.00
45 S	2-Fluorobiphenyl	80.000	79.441	0.7	60	0.00
46	1,1'-Biphenyl	40.000	39.454	1.4	58	0.00
47	2-Chloronaphthalene	40.000	38.957	2.6	58	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143210.D
 Acq On : 23 Jul 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.188	-3.0	56	0.00
49	Acenaphthylene	40.000	38.989	2.5	57	0.00
50	Dimethylphthalate	40.000	39.503	1.2	57	0.00
51	2,6-Dinitrotoluene	40.000	41.014	-2.5	55	0.00
52 C	Acenaphthene	40.000	39.605	1.0	58	0.00
53	3-Nitroaniline	40.000	41.423	-3.6	57	0.00
54 P	2,4-Dinitrophenol	40.000	43.601	-9.0	66	0.00
55	Dibenzofuran	40.000	39.327	1.7	58	0.00
56 P	4-Nitrophenol	40.000	41.556	-3.9	55	0.00
57	2,4-Dinitrotoluene	40.000	43.429	-8.6	58	0.00
58	Fluorene	40.000	39.871	0.3	59	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	35.835	10.4	50	0.00
60	Diethylphthalate	40.000	39.593	1.0	57	0.00
61	4-Chlorophenyl-phenylether	40.000	40.030	-0.1	59	0.00
62	4-Nitroaniline	40.000	43.376	-8.4	58	0.00
63	Azobenzene	40.000	38.867	2.8	56	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	57	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.322	-3.3	62	0.00
66 c	n-Nitrosodiphenylamine	40.000	37.925	5.2	57	0.00
67	4-Bromophenyl-phenylether	40.000	38.488	3.8	57	0.00
68	Hexachlorobenzene	40.000	39.109	2.2	58	0.00
69	Atrazine	40.000	42.107	-5.3	59	0.00
70 C	Pentachlorophenol	40.000	36.572	8.6	52	0.00
71	Phenanthrene	40.000	39.306	1.7	58	0.00
72	Anthracene	40.000	39.761	0.6	59	0.00
73	Carbazole	40.000	41.500	-3.8	60	0.00
74	Di-n-butylphthalate	40.000	44.219	-10.5	63	0.00
75 C	Fluoranthene	40.000	44.615	-11.5	65	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77	Benzydine	40.000	40.712	-1.8	63	0.00
78	Pyrene	40.000	34.761	13.1	67	0.00
79 S	Terphenyl-d14	80.000	70.144	12.3	69	0.00
80	Butylbenzylphthalate	40.000	47.140	-17.9	87	0.00
81	Benzo(a)anthracene	40.000	38.065	4.8	77	0.00
82	3,3'-Dichlorobenzidine	40.000	38.576	3.6	77	0.00
83	Chrysene	40.000	39.878	0.3	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.463	-8.7	84	0.00
85 c	Di-n-octyl phthalate	40.000	40.193	-0.5	80	0.00
86 I	Perylene-d12	20.000	20.000	0.0	76	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.487	3.8	73	0.00
88	Benzo(b)fluoranthene	40.000	41.819	-4.5	84	0.00
89	Benzo(k)fluoranthene	40.000	36.623	8.4	67	0.00
90 C	Benzo(a)pyrene	40.000	39.377	1.6	75	0.00
91	Dibenzo(a,h)anthracene	40.000	38.668	3.3	73	0.00
92	Benzo(g,h,i)perylene	40.000	39.524	1.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143210.D
Acq On : 23 Jul 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 23 15:12:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



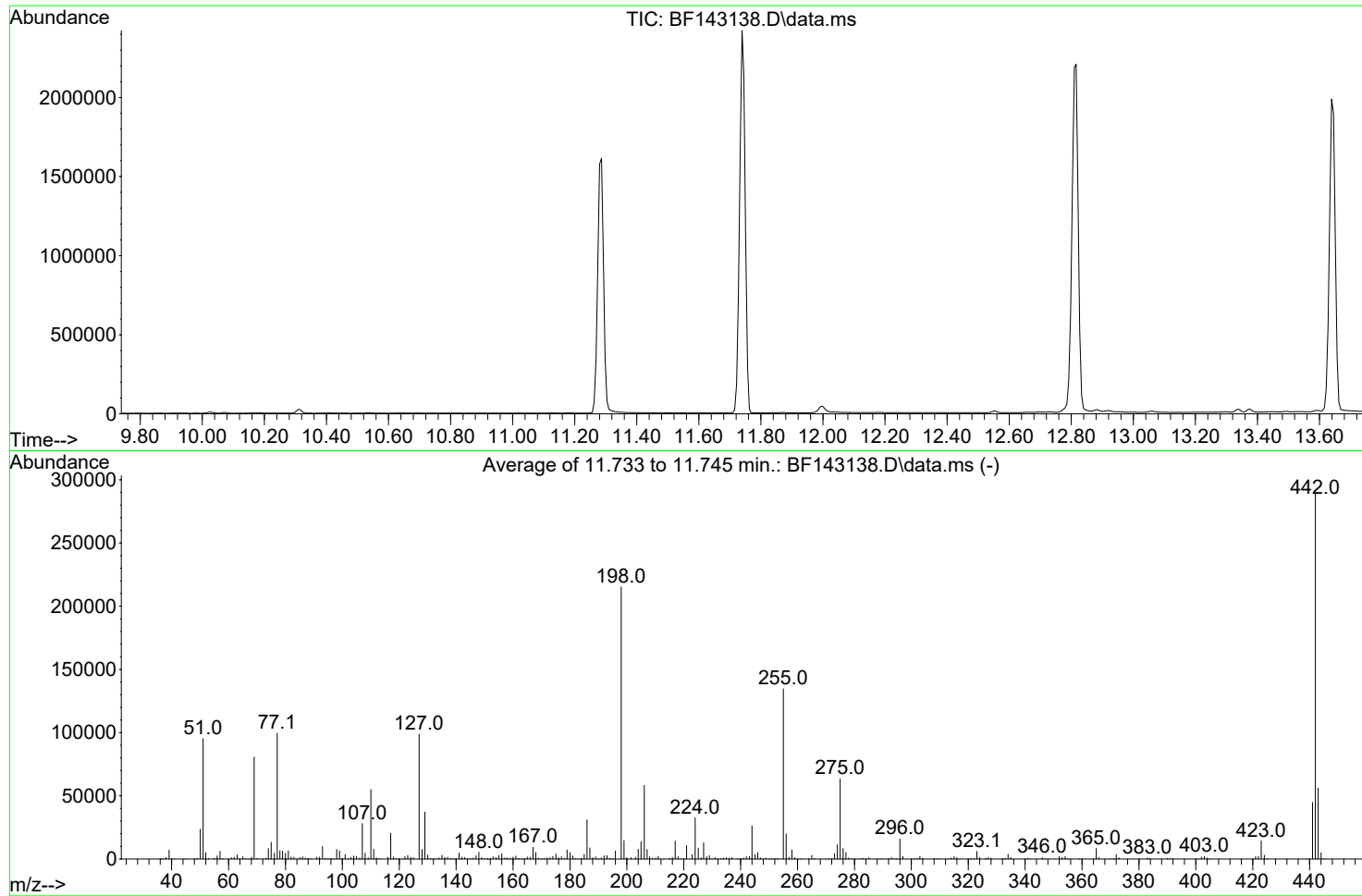
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1515	PASS
69	69	100	100	100.0	80680	PASS
70	69	0.00	2	0.5	430	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	215296	PASS
199	198	5	9	6.8	14617	PASS
365	198	1	100	3.8	8287	PASS
441	443	0.01	150	79.6	44723	PASS
442	442	100	100	100.0	288853	PASS
443	442	15	24	19.5	56203	PASS

DDT Breakdown

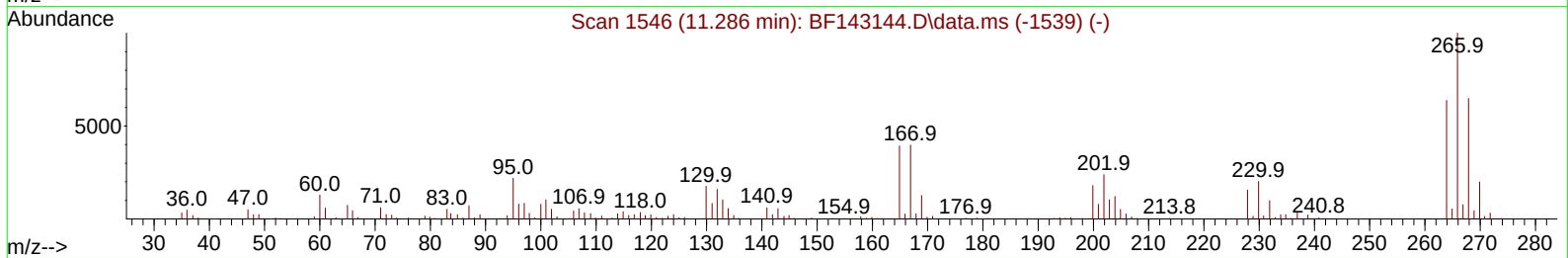
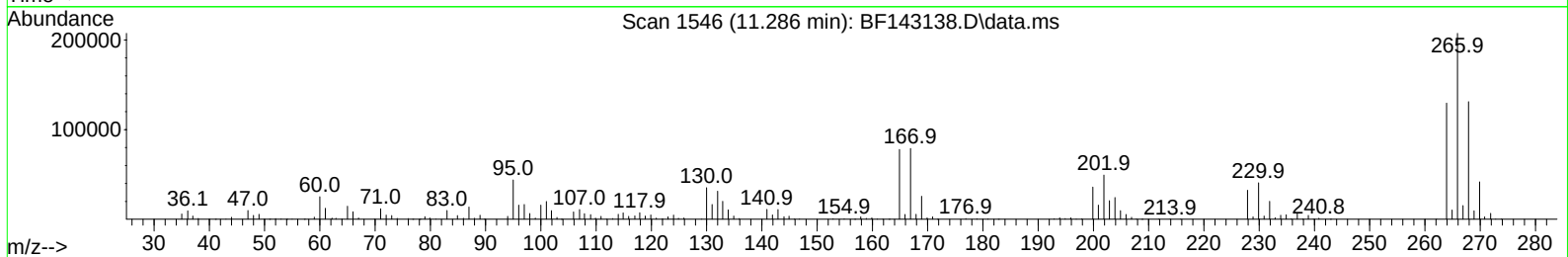
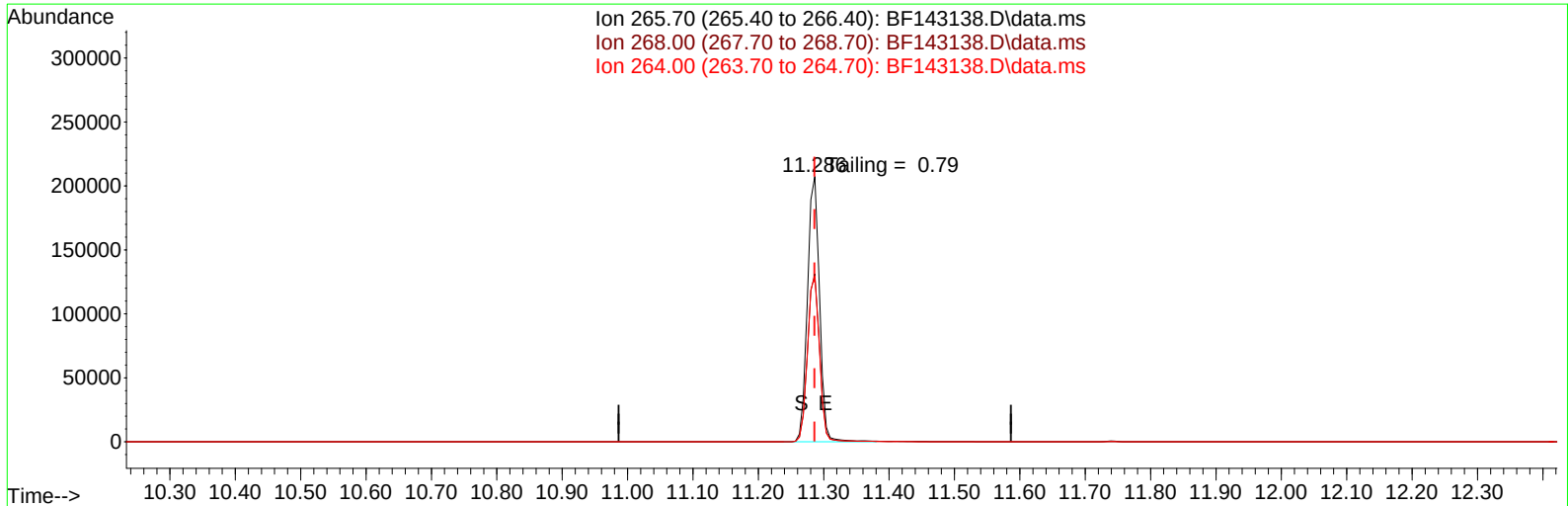
Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	<u>BF143138.D</u>
Compound Name	Response	Retention Time
DDT	490244	13.639
DDD	9488	13.339
DDE	328	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9816	500060	1.96

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(70) Pentachlorophenol (C)

11.286min (+ 0.000) 29509.64 ng

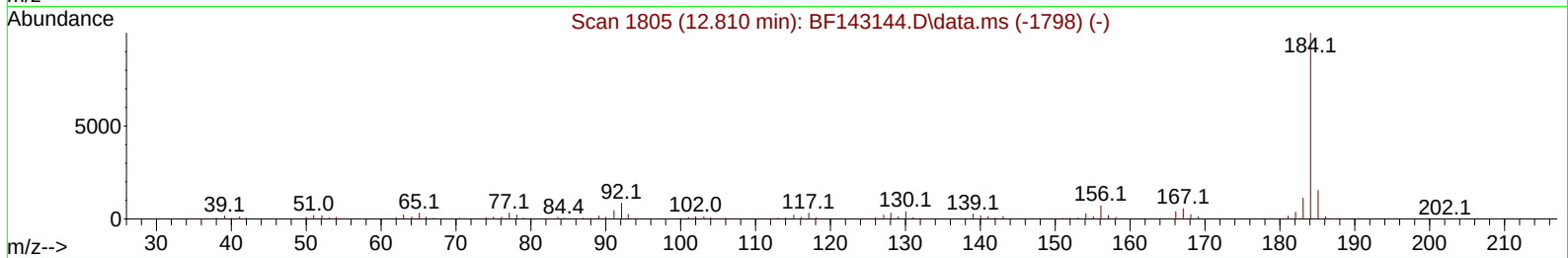
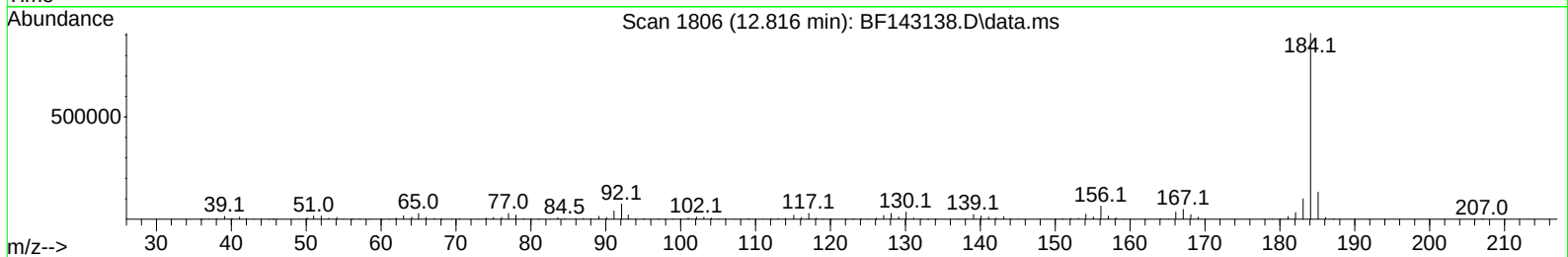
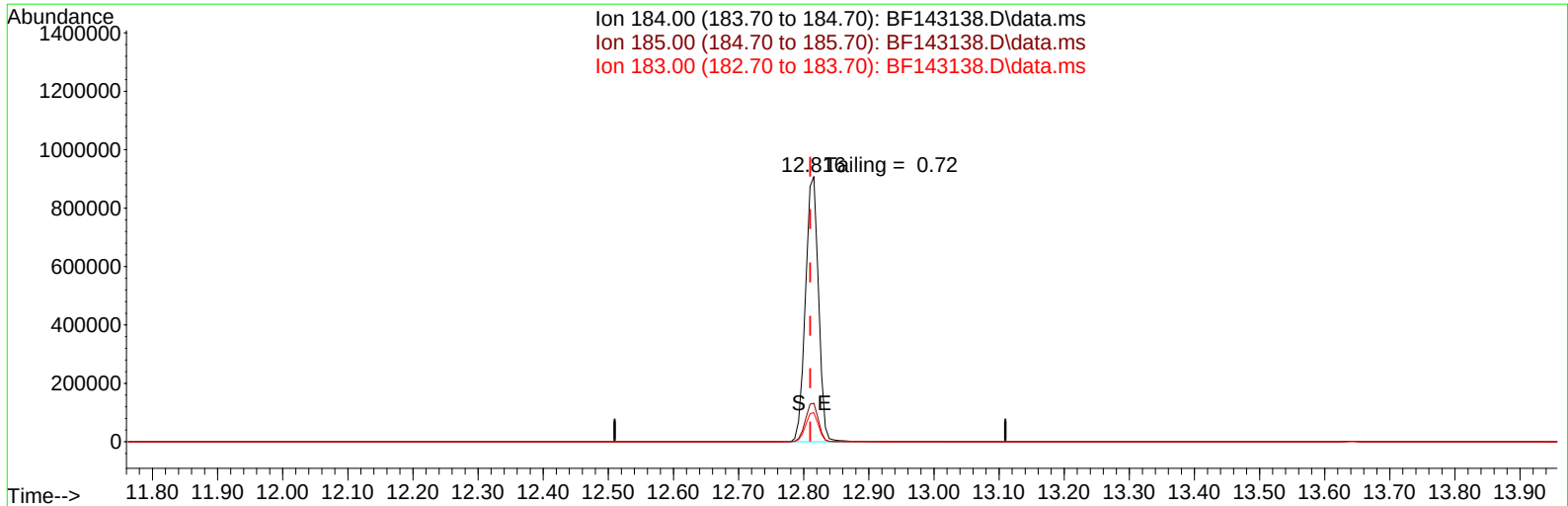
response 268044

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.24
264.00	63.80	62.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143138.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

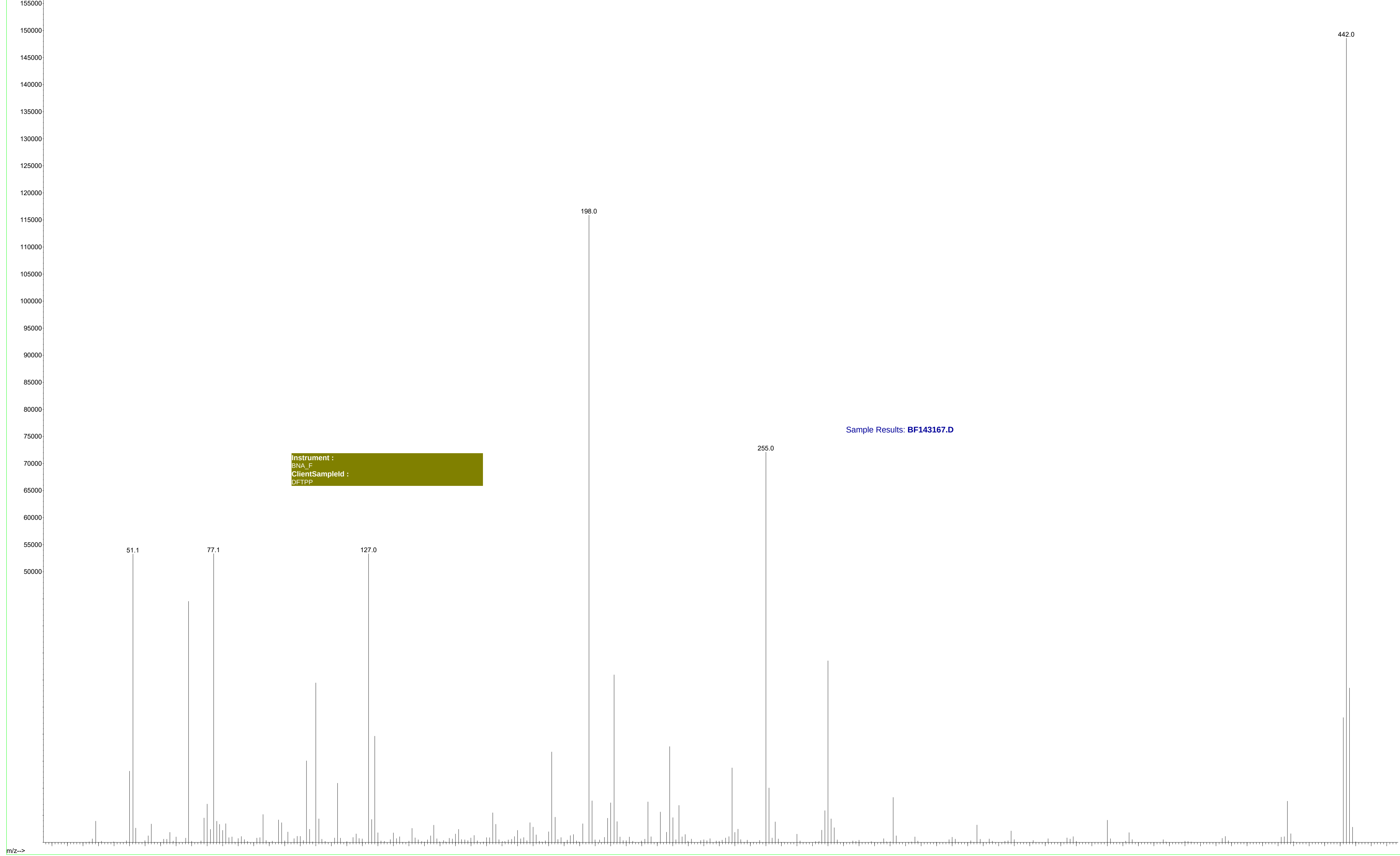
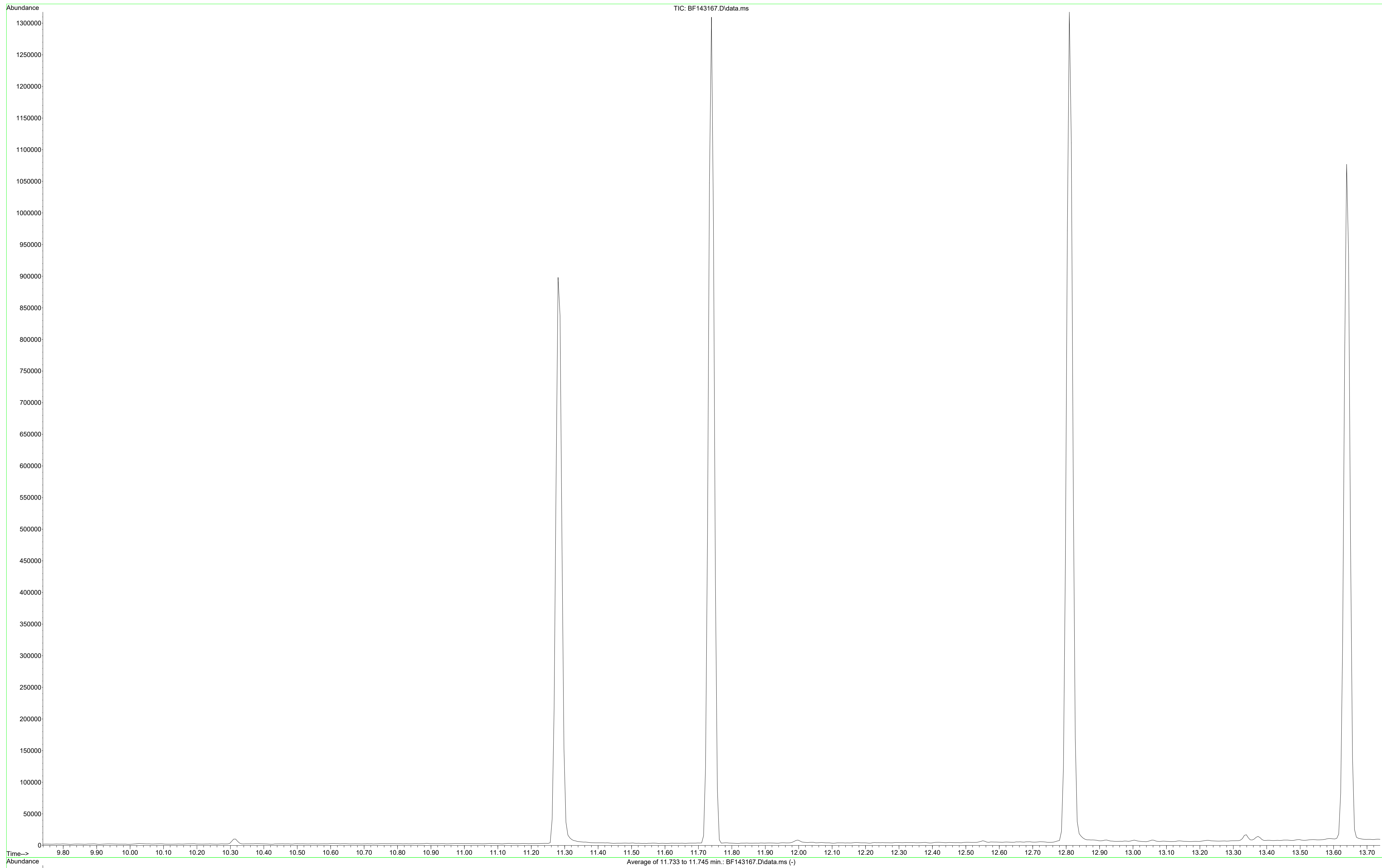
response 1266864

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.57
183.00	11.20	10.98
0.00	0.00	0.00

DFTPP
 Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143167.D
 Acq On : 21 Jul 2025 12:27
 Operator : RC/JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 17 15:14:05 2025



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	806	PASS
69	69	100	100	100.0	44549	PASS
70	69	0.00	2	0.5	234	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	115907	PASS
199	198	5	9	6.6	7700	PASS
365	198	1	100	3.6	4118	PASS
441	443	0.01	150	80.8	23064	PASS
442	442	100	100	100.0	148600	PASS
443	442	15	24	19.2	28531	PASS

DDT Breakdown

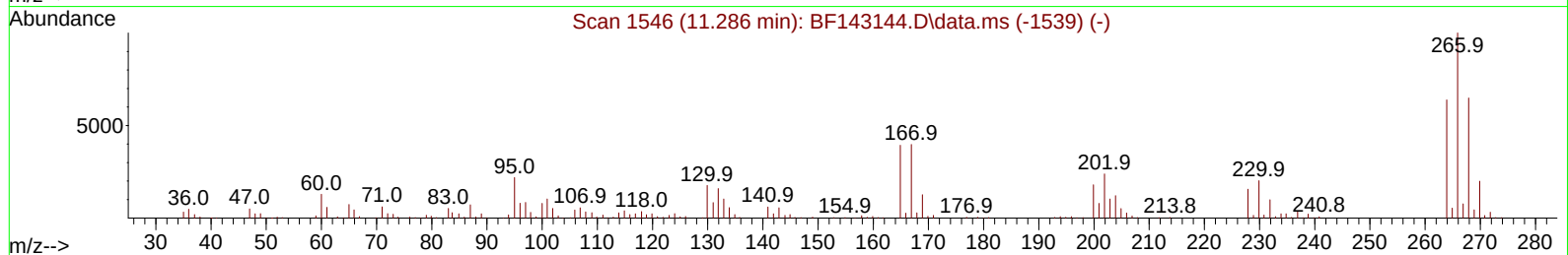
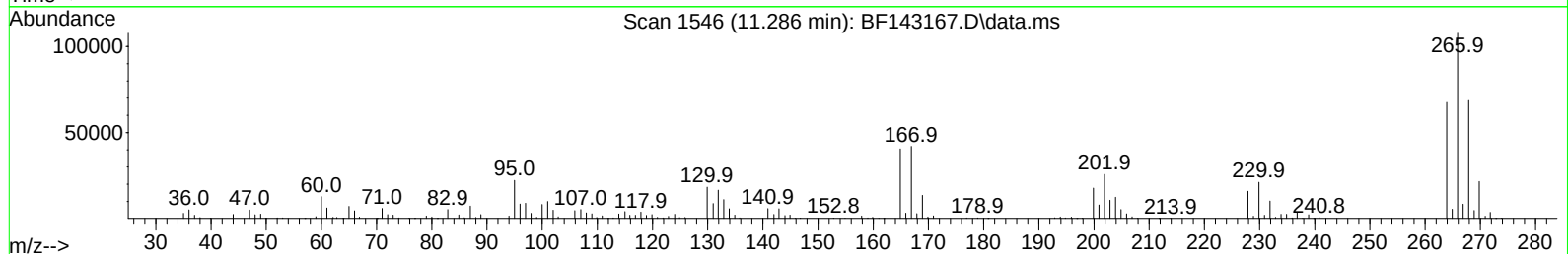
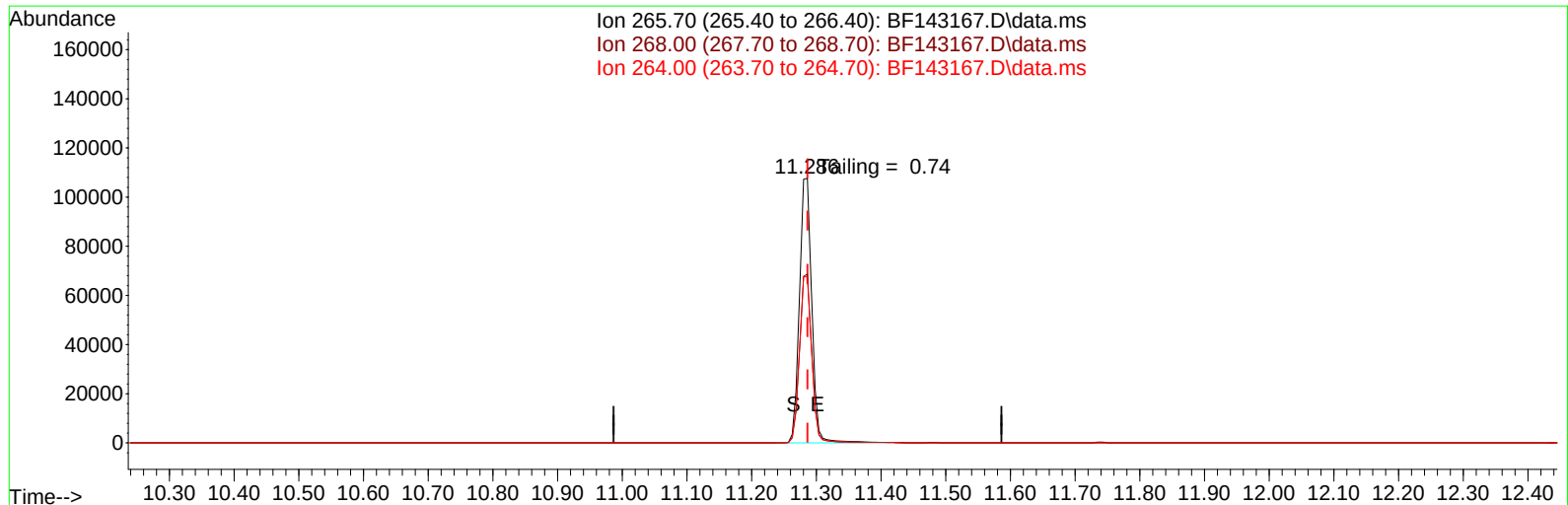
Date	Instrument Name	DFTPP Data File
7/21/2025	BNA_F	BF143167.D
Compound Name	Response	Retention Time
DDT	249364	13.639
DDD	5341	13.339
DDE	652	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5993	255357	2.35

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143167.D
Acq On : 21 Jul 2025 12:27
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 21 13:16:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143167.D\data.ms

(70) Pentachlorophenol (C)

11.286min (-0.000) 25703.29 ng

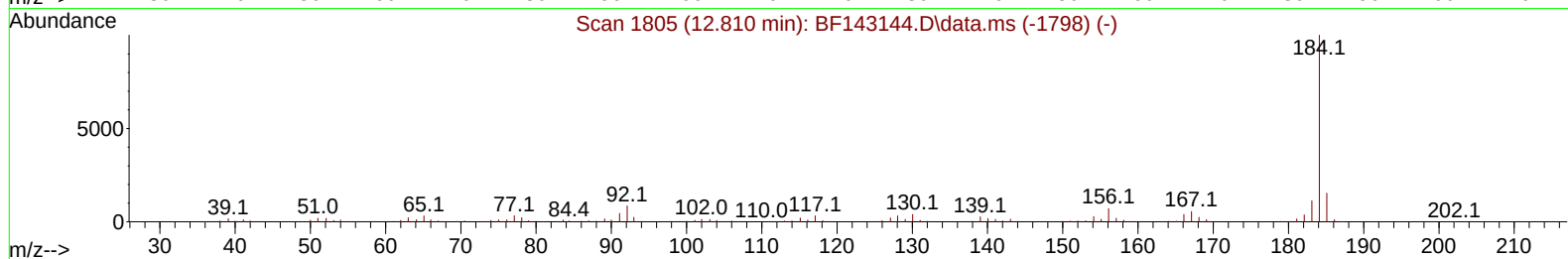
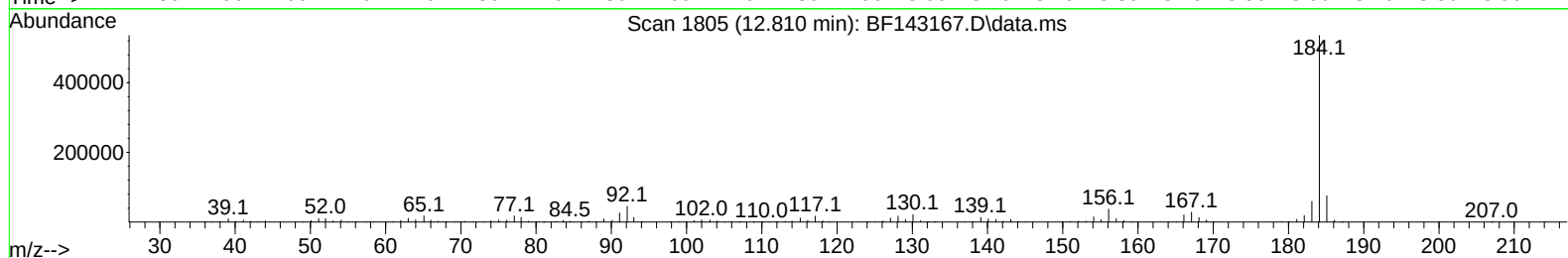
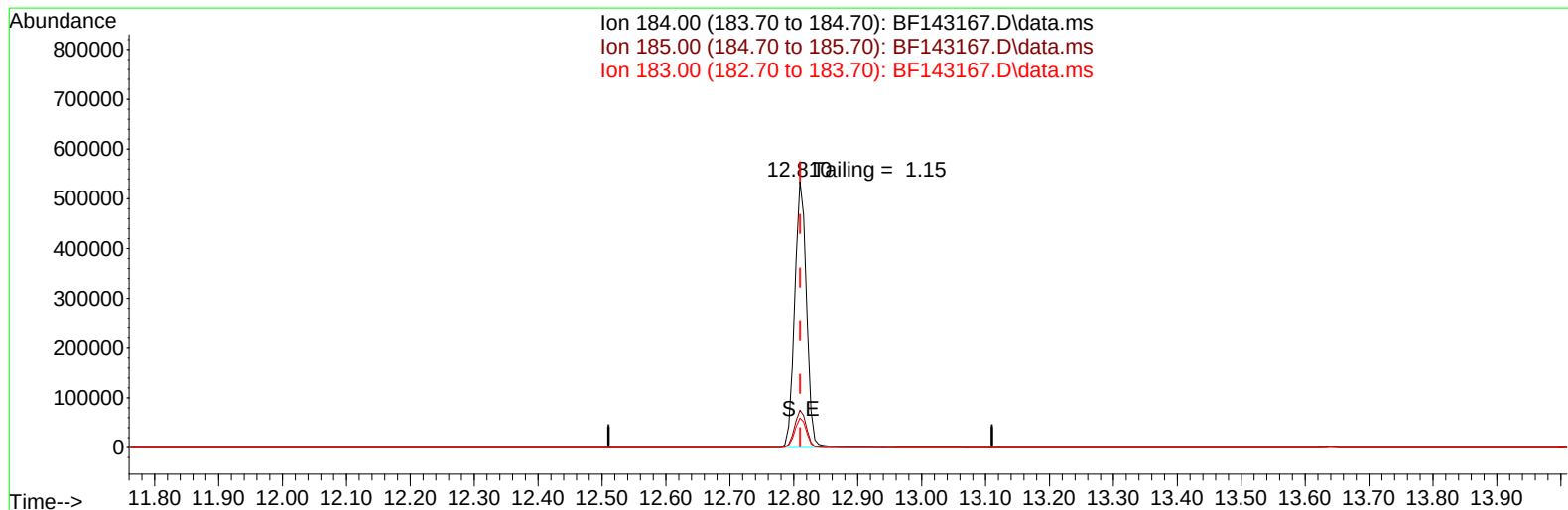
response 143471

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.71
264.00	63.80	62.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
Data File : BF143167.D
Acq On : 21 Jul 2025 12:27
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 21 13:16:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143167.D\data.ms

(77) Benzidine

12.810min (-0.000) 0.00 ng

response 694622

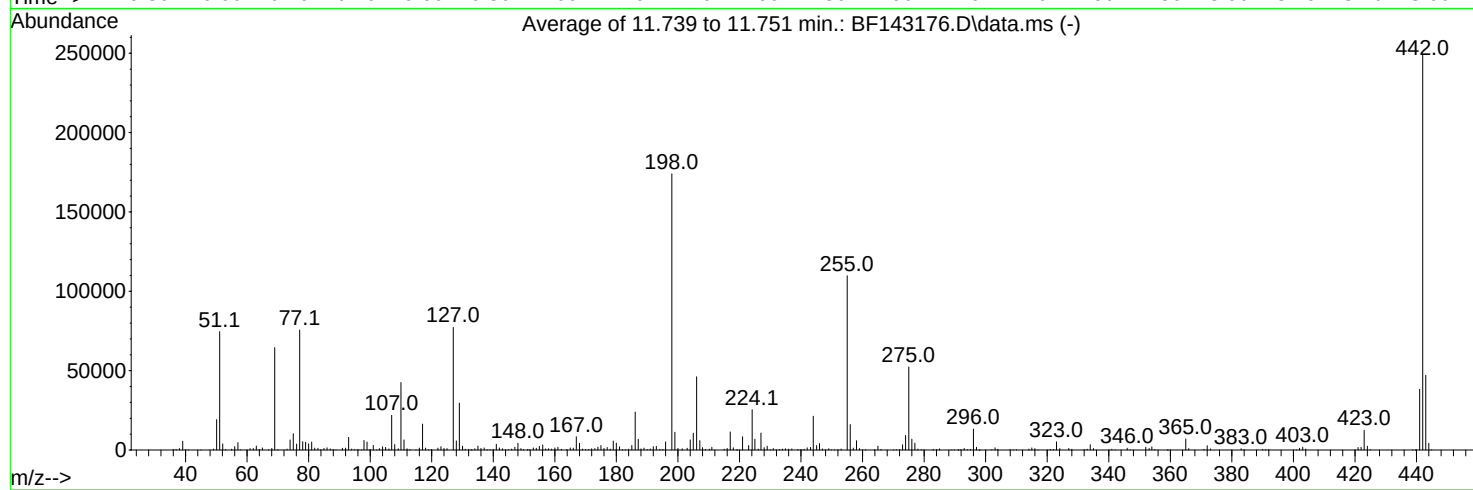
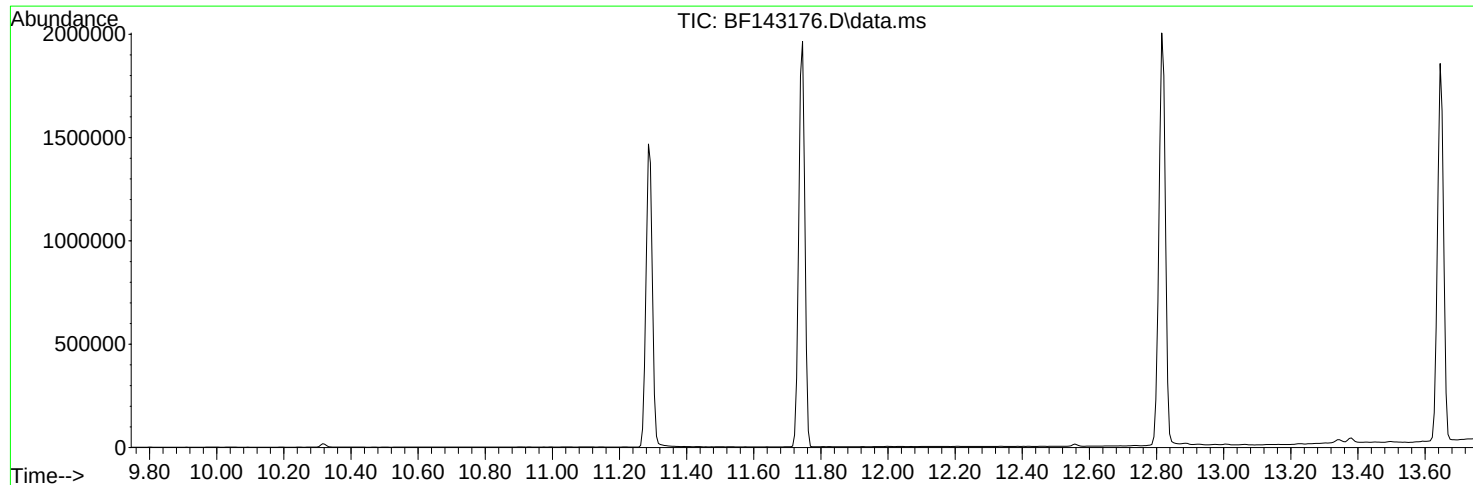
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.06
183.00	11.20	11.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
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\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 23 16:55:25 2022



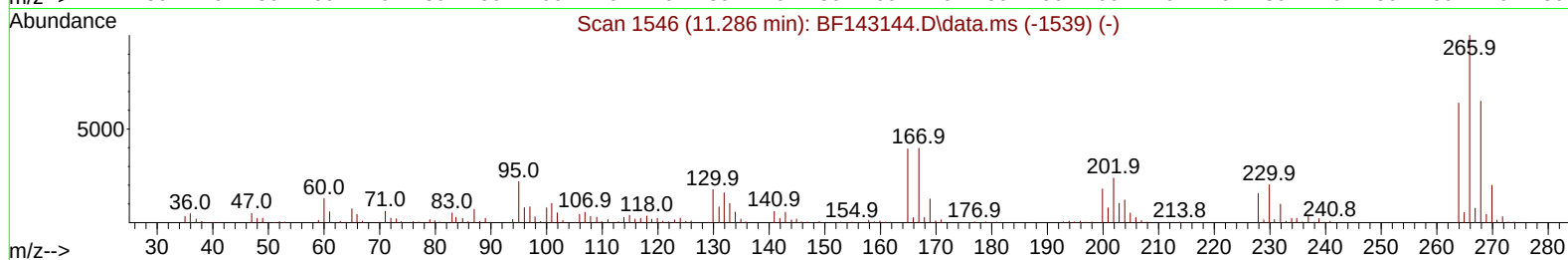
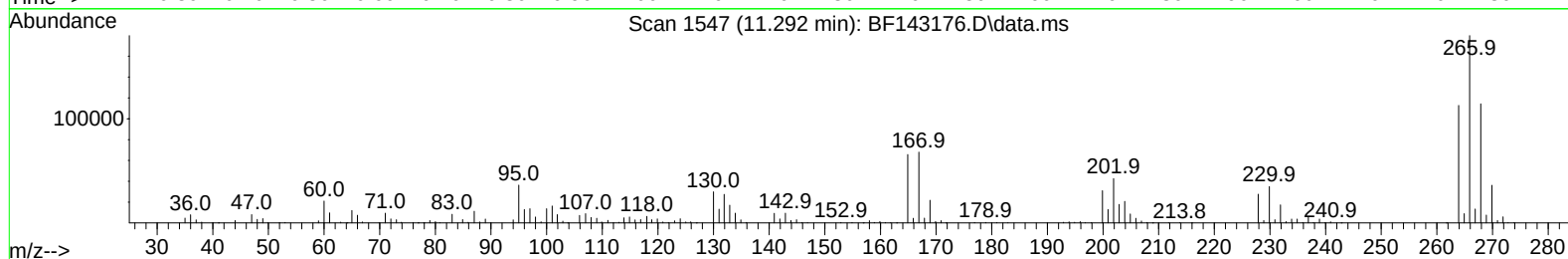
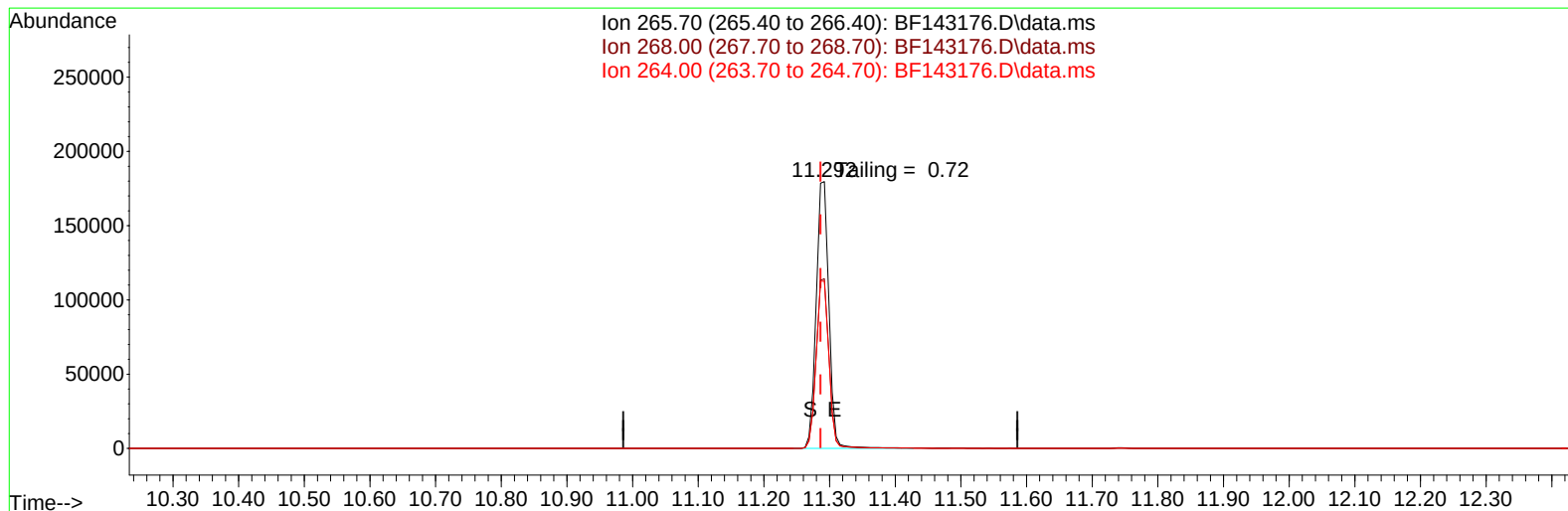
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	1012	PASS
69	69	100	100	100.0	64563	PASS
70	69	0.00	2	0.5	329	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	174029	PASS
199	198	5	9	6.4	11198	PASS
365	198	1	100	4.0	6980	PASS
441	443	0.01	150	81.1	38184	PASS
442	442	100	100	100.0	248789	PASS
443	442	15	24	18.9	47107	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143176.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.006) 32381.96 ng

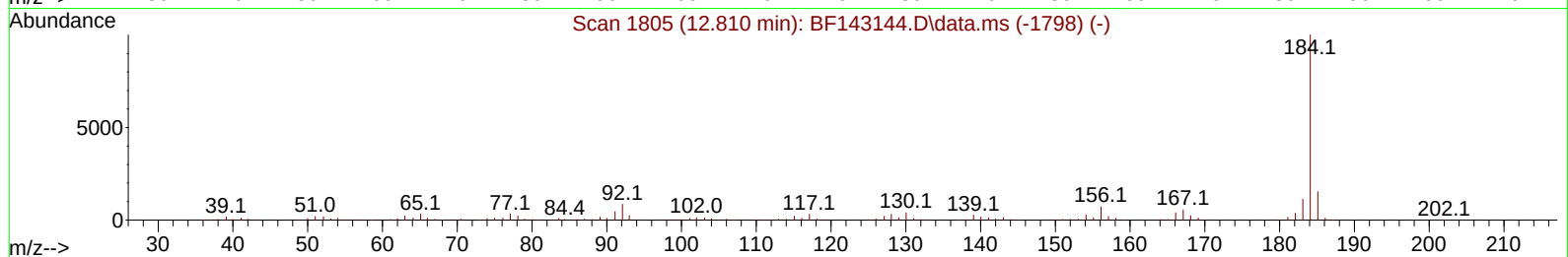
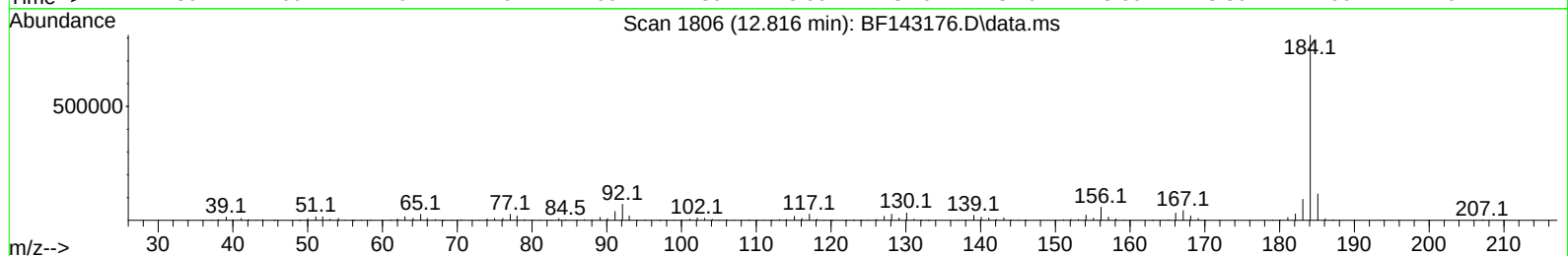
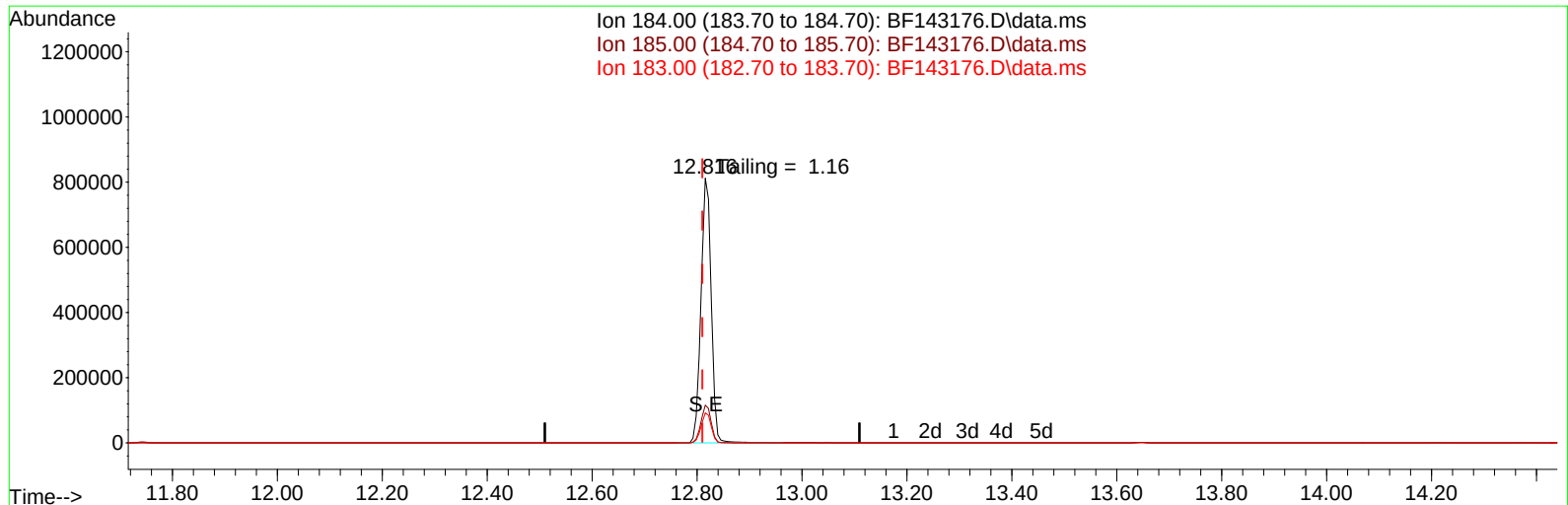
response 241949

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.58
264.00	63.80	62.74
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143176.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 514868.65 ng m

response 1110844

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.24
183.00	11.20	11.33
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/22/2025	BNA_F	<u>BF143176.D</u>
Compound Name	Response	Retention Time
DDT	445109	13.645
DDD	8683	13.38
DDE	869	13.01
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
9552	454661	2.10

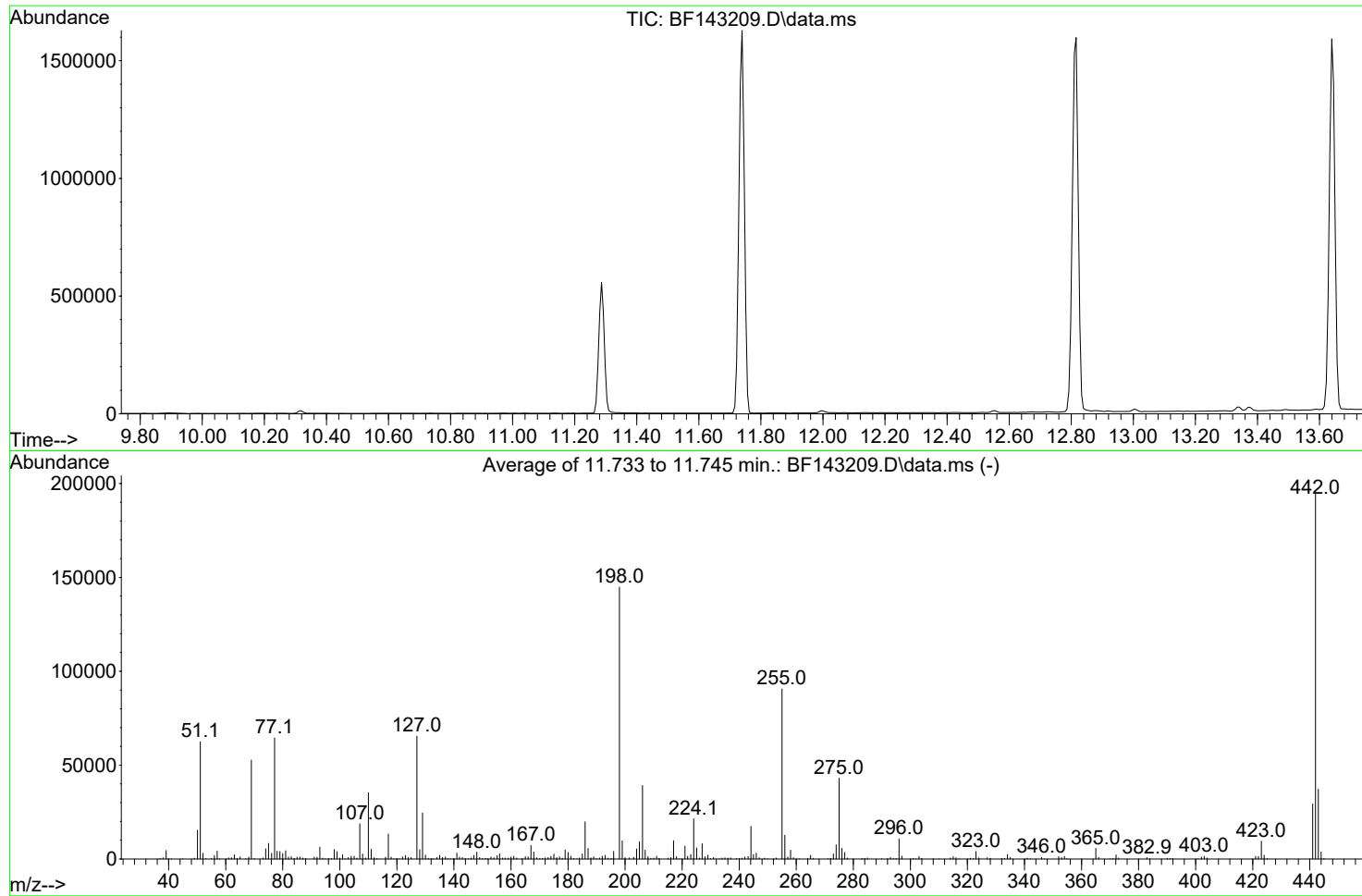
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143209.D
Acq On : 23 Jul 2025 13:34
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1615

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1017	PASS
69	69	100	100	100.0	52688	PASS
70	69	0.00	2	0.6	323	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144864	PASS
199	198	5	9	6.7	9687	PASS
365	198	1	100	3.9	5697	PASS
441	443	0.01	150	78.8	29299	PASS
442	442	100	100	100.0	194453	PASS
443	442	15	24	19.1	37184	PASS

DDT Breakdown

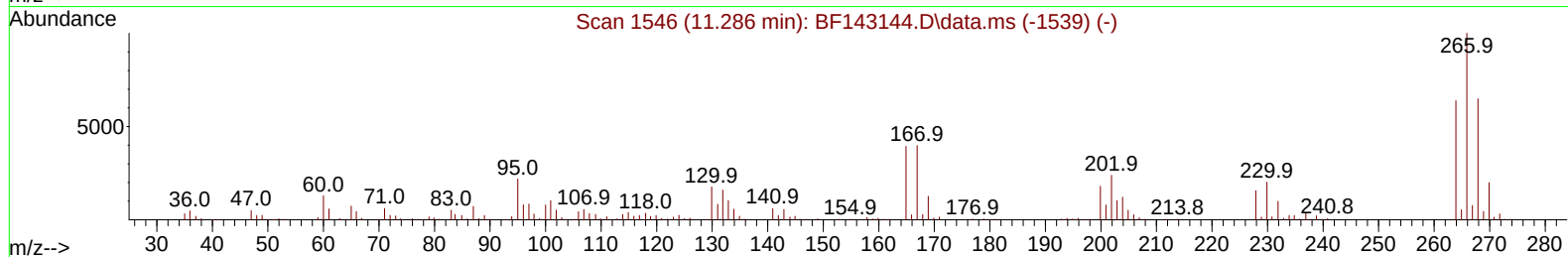
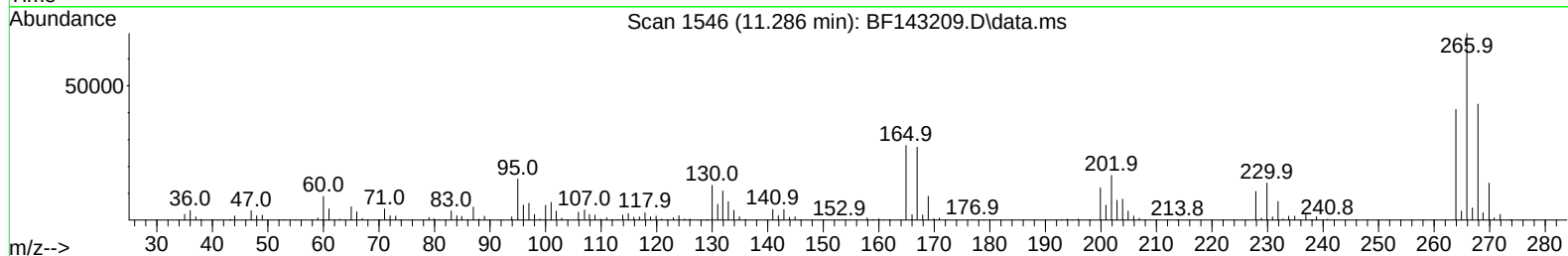
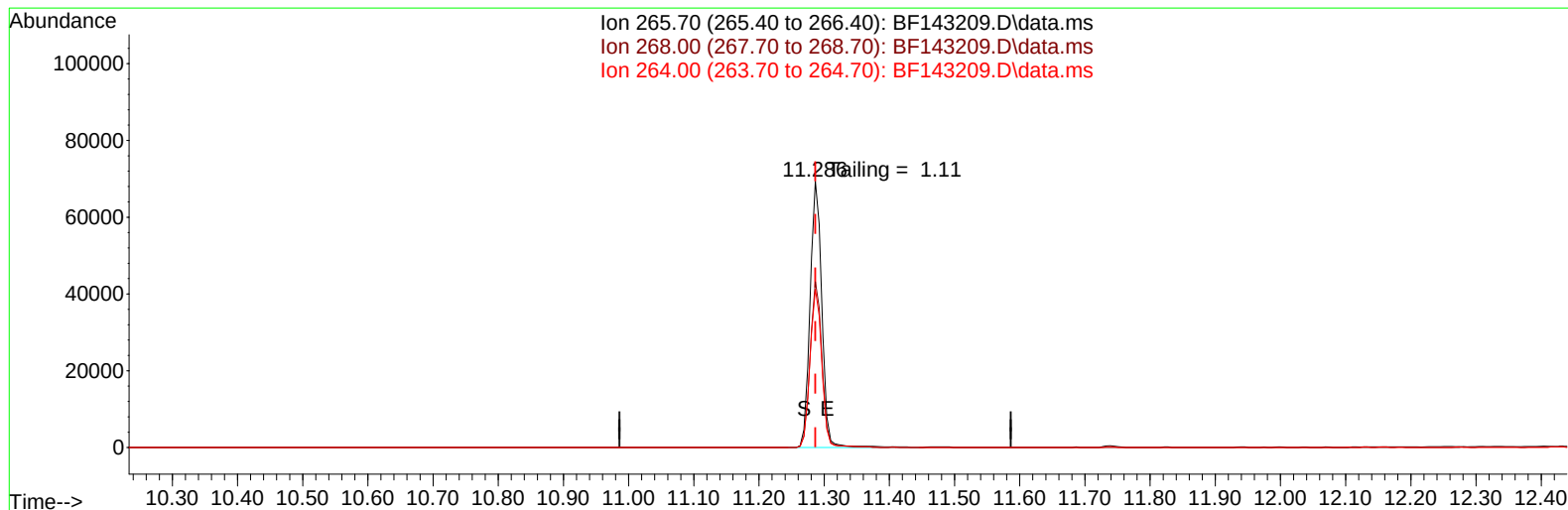
Date	Instrument Name	DFTPP Data File
7/23/2025	BNA_F	<u>BF143209.D</u>
Compound Name	Response	Retention Time
DDT	391883	13.639
DDD	8780	13.339
DDE	2192	13.004
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10972	402855	2.72

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143209.D
Acq On : 23 Jul 2025 13:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 23 15:17:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143209.D\data.ms

(70) Pentachlorophenol (C)

11.286min (+ 0.000) 14501.34 ng

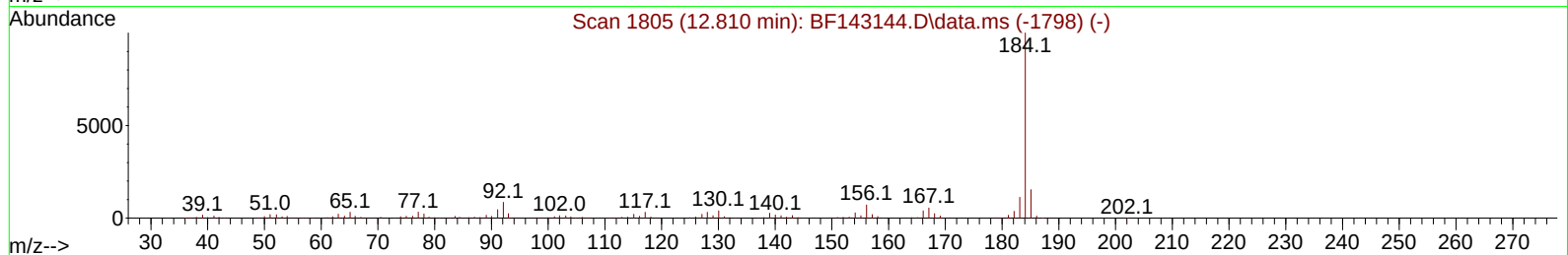
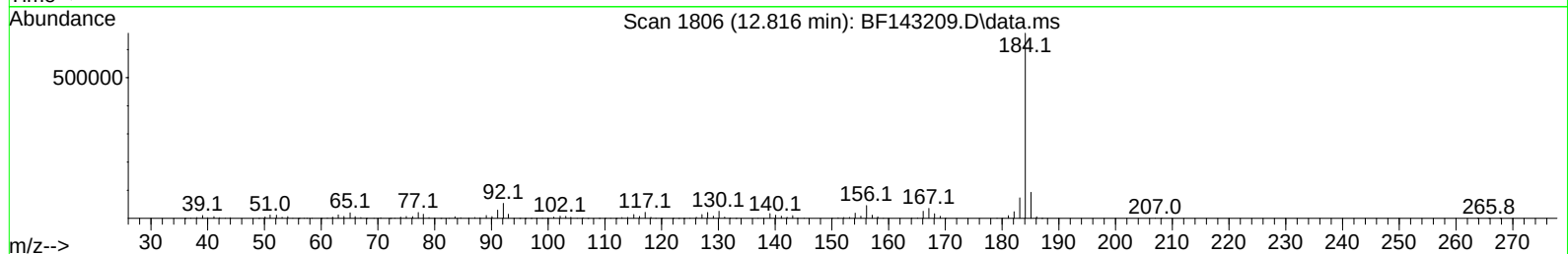
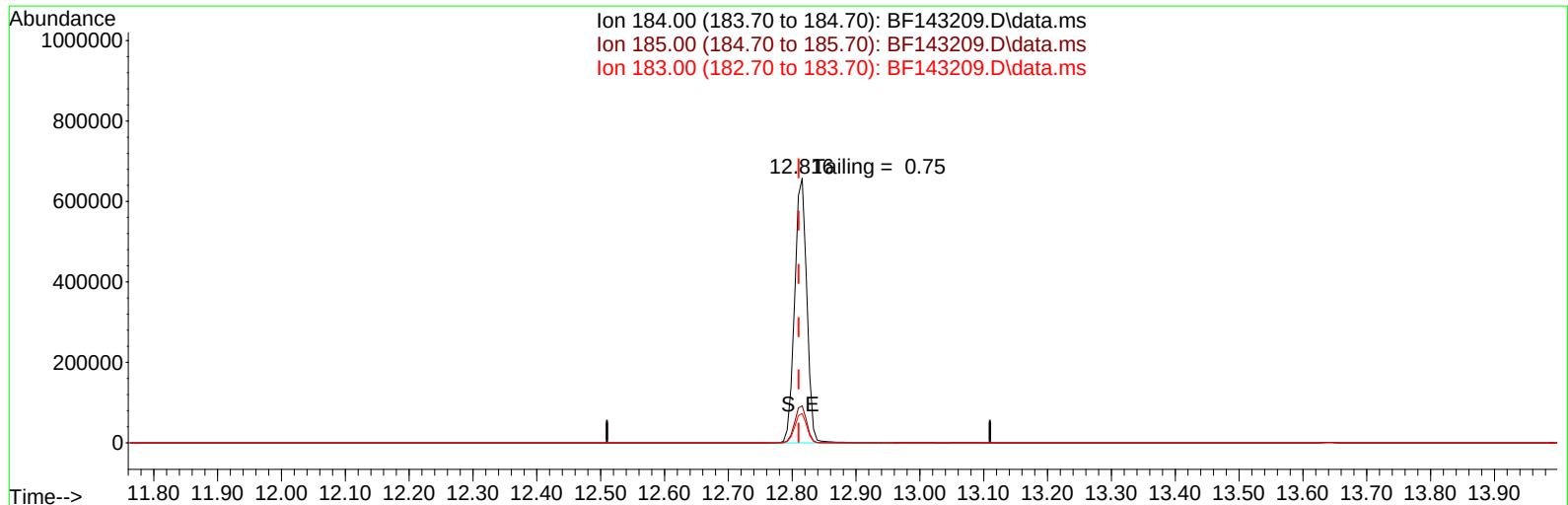
response 87636

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	62.26
264.00	63.80	59.46
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
Data File : BF143209.D
Acq On : 23 Jul 2025 13:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 23 15:17:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



TIC: BF143209.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

response 876486

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.03
183.00	11.20	11.13
0.00	0.00	0.00

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BL	SDG No.:	Q2651
Lab Sample ID:	PB168929BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143178.D	1	07/21/25 09:30	07/22/25 09:15	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BL	SDG No.:	Q2651
Lab Sample ID:	PB168929BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143178.D	1	07/21/25 09:30	07/22/25 09:15	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BL	SDG No.:	Q2651
Lab Sample ID:	PB168929BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143178.D	1	07/21/25 09:30	07/22/25 09:15	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		18 - 112	76%	SPK: 150
13127-88-3	Phenol-d6	113		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.2		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		20 - 109	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		10 - 116	87%	SPK: 150
1718-51-0	Terphenyl-d14	80.0		10 - 105	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145000	6.963			
1146-65-2	Naphthalene-d8	553000	8.24			
15067-26-2	Acenaphthene-d10	297000	9.998			
1517-22-2	Phenanthrene-d10	538000	11.486			
1719-03-5	Chrysene-d12	319000	14.121			
1520-96-3	Perylene-d12	277000	15.627			

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\BF072225\
Data File : BF143178.D
Acq On : 22 Jul 2025 09:15
Operator : RC/JU
Sample : PB168929BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168929BL

Quant Time: Jul 22 11:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	144783	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	553185	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	297105	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	537789	20.000	ng	0.00
76) Chrysene-d12	14.121	240	319412	20.000	ng	0.00
86) Perylene-d12	15.627	264	277367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	1037560	113.404	ng	0.02
7) Phenol-d6	6.581	99	1297756	112.692	ng	0.00
23) Nitrobenzene-d5	7.516	82	867504	78.170	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	402512	131.143	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1596254	73.478	ng	0.00
79) Terphenyl-d14	13.075	244	1717493	80.016	ng	0.00

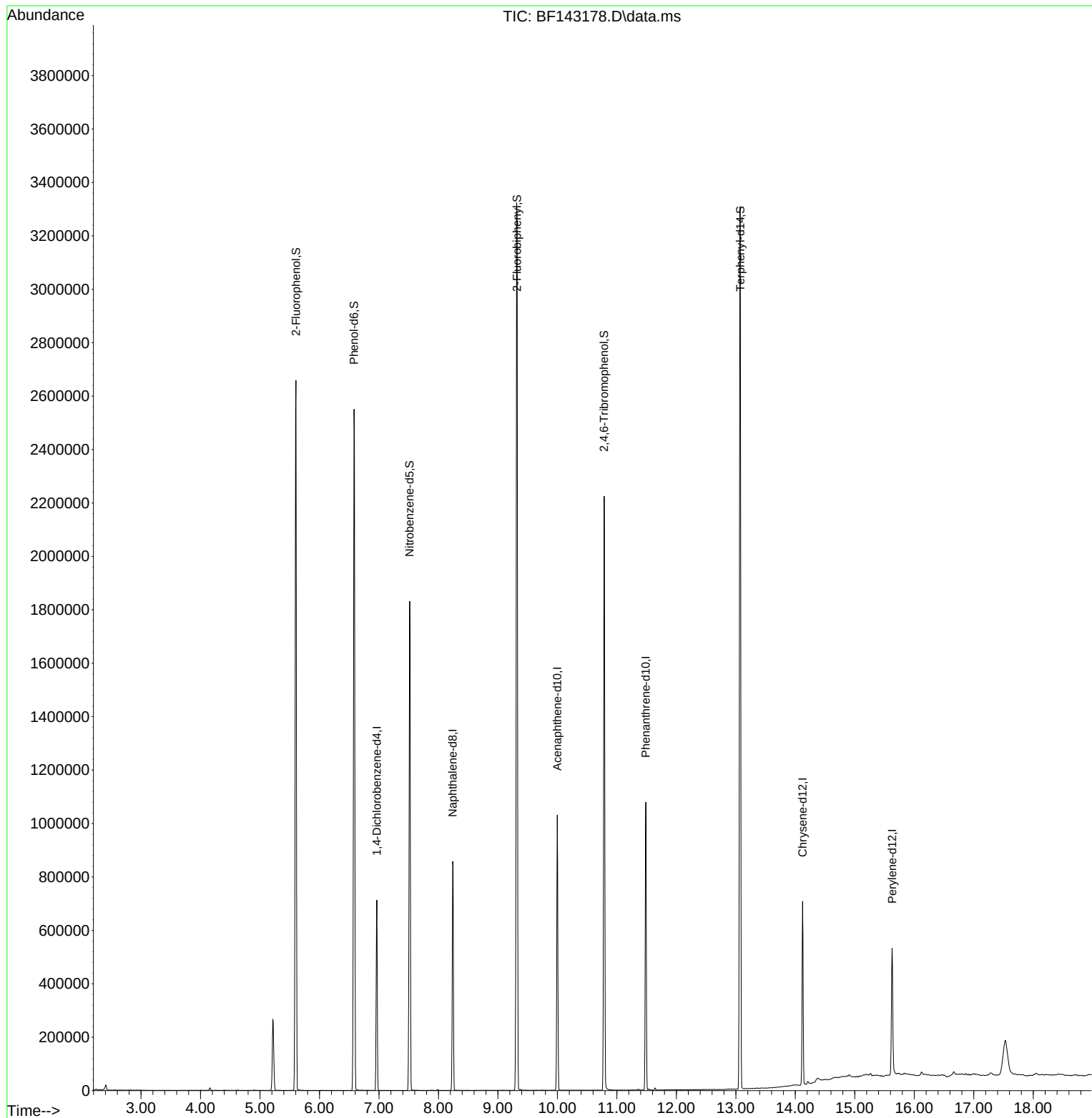
Target Compounds	Qvalue

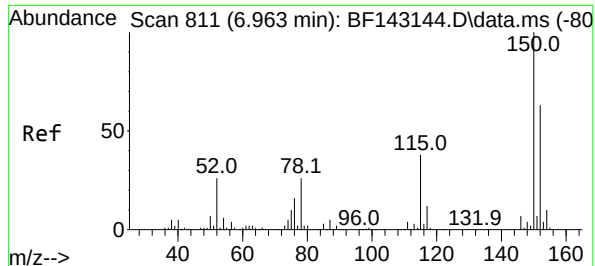
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143178.D
Acq On : 22 Jul 2025 09:15
Operator : RC/JU
Sample : PB168929BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168929BL

Quant Time: Jul 22 11:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

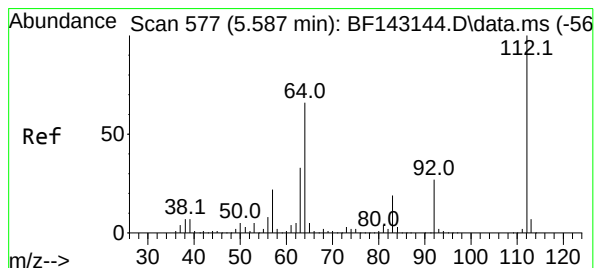
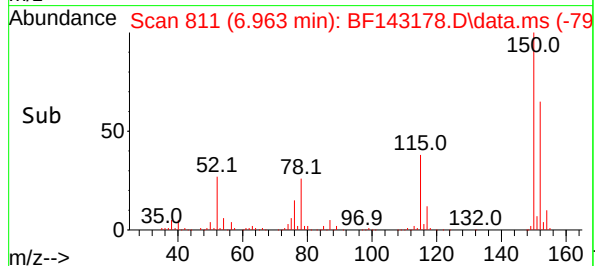
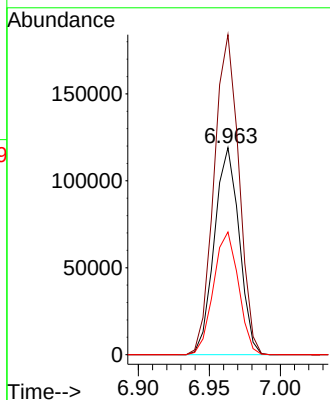
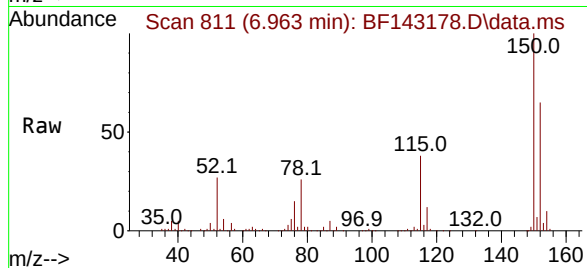




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

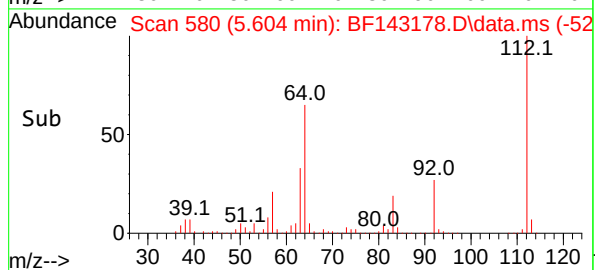
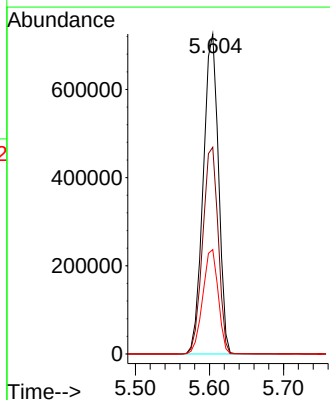
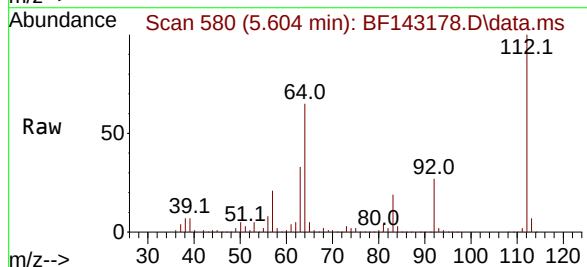
Instrument :
BNA_F
ClientSampleId :
PB168929BL

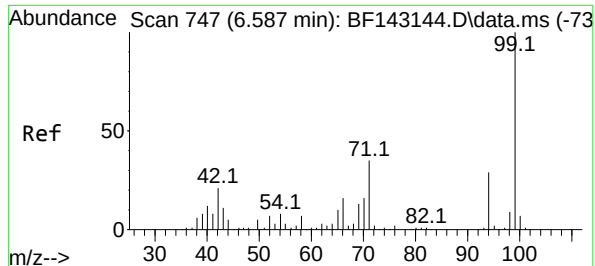
Tgt Ion:152 Resp: 144783
Ion Ratio Lower Upper
152 100
150 154.6 128.2 192.4
115 59.3 47.9 71.9



#5
2-Fluorophenol
Concen: 113.404 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

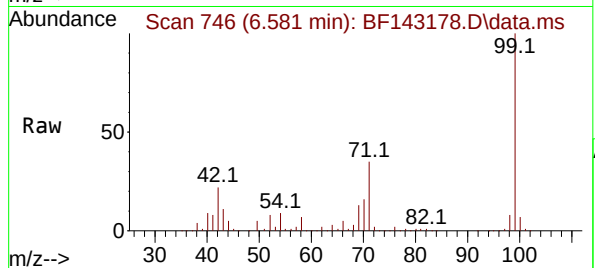
Tgt Ion:112 Resp: 1037560
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 32.6 26.6 40.0



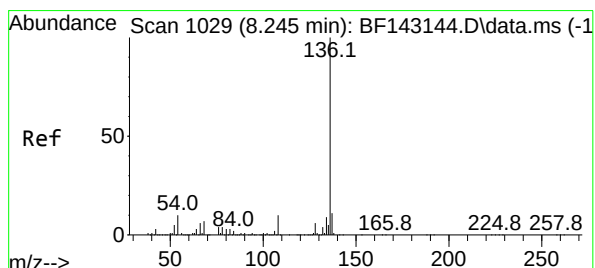
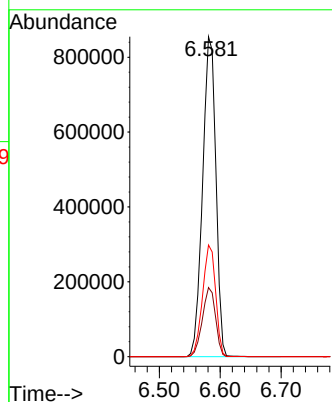
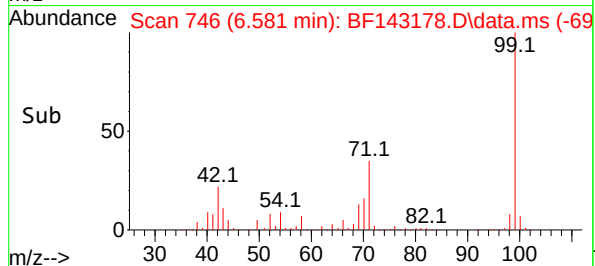


#7
Phenol-d6
Concen: 112.692 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Instrument :
BNA_F
ClientSampleId :
PB168929BL

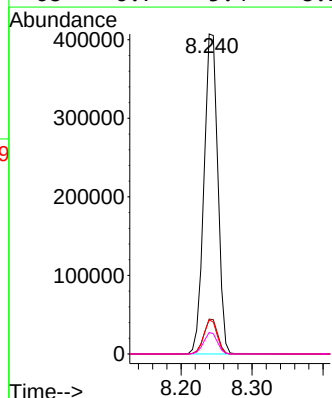
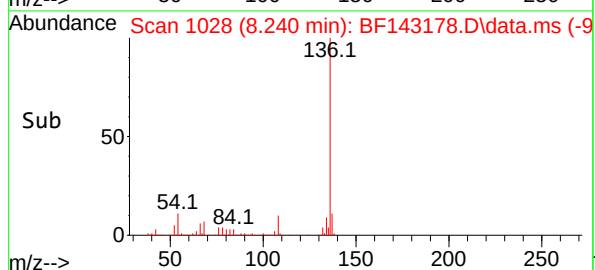
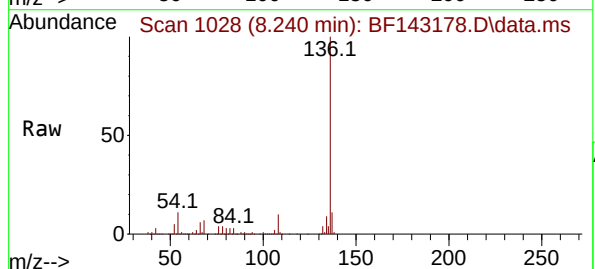


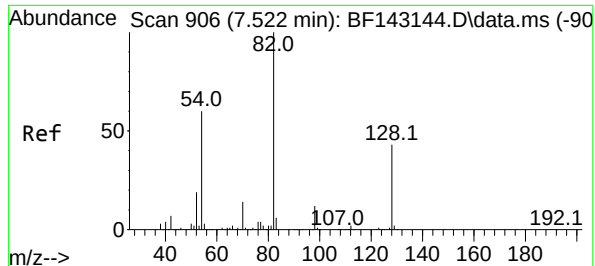
Tgt Ion: 99 Resp: 1297756
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 34.9 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion: 136 Resp: 553185
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.7 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 78.170 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143178.D

Acq: 22 Jul 2025 09:15

Instrument :

BNA_F

ClientSampleId :

PB168929BL

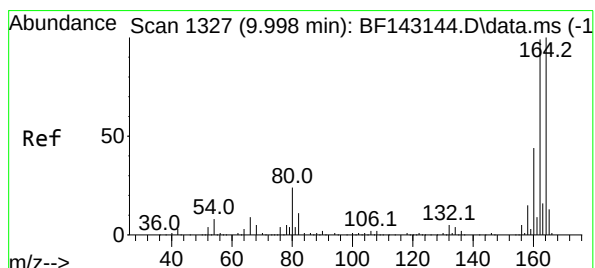
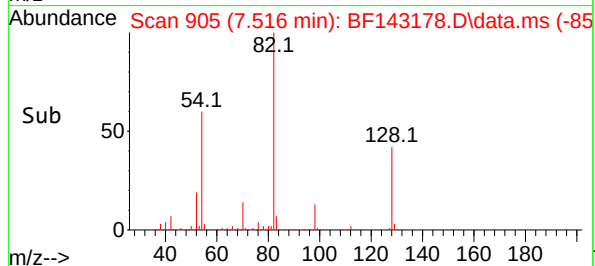
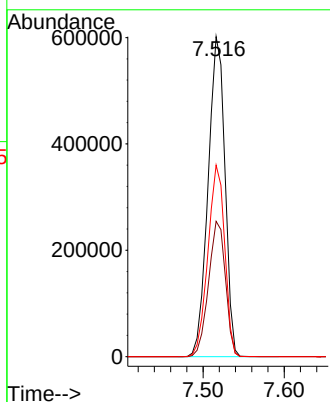
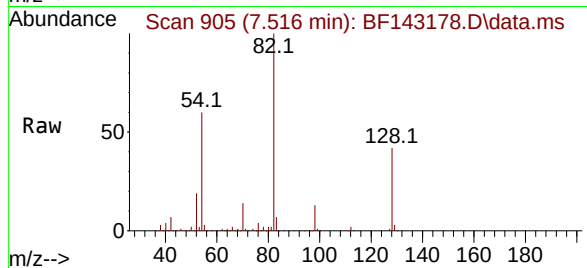
Tgt Ion: 82 Resp: 867504

Ion Ratio Lower Upper

82 100

128 42.3 33.6 50.4

54 59.8 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143178.D

Acq: 22 Jul 2025 09:15

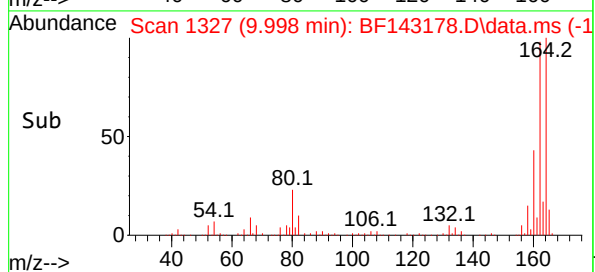
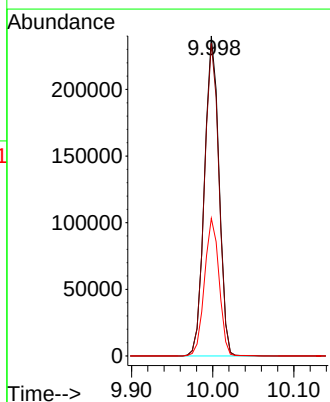
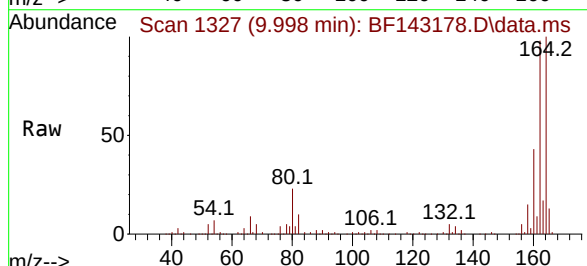
Tgt Ion: 164 Resp: 297105

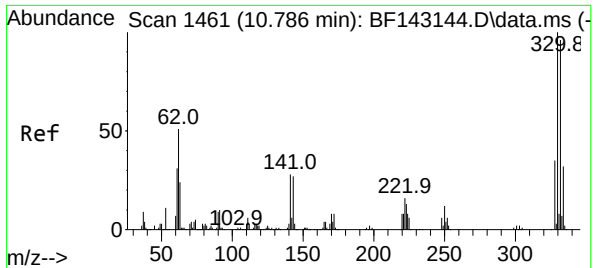
Ion Ratio Lower Upper

164 100

162 97.7 79.0 118.6

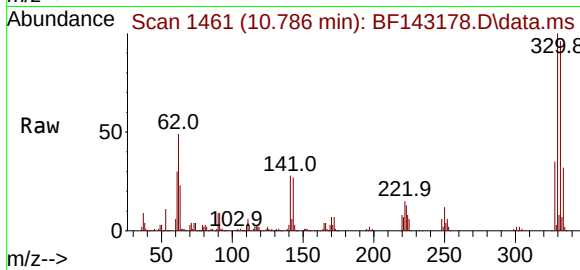
160 43.0 35.1 52.7



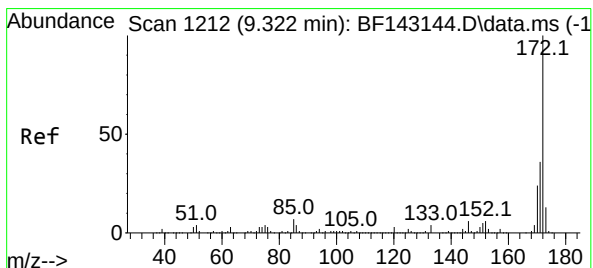
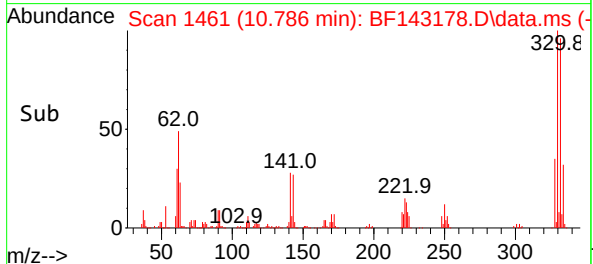
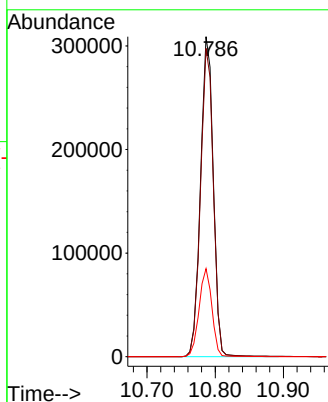


#42
2,4,6-Tribromophenol
Concen: 131.143 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Instrument :
BNA_F
ClientSampleId :
PB168929BL

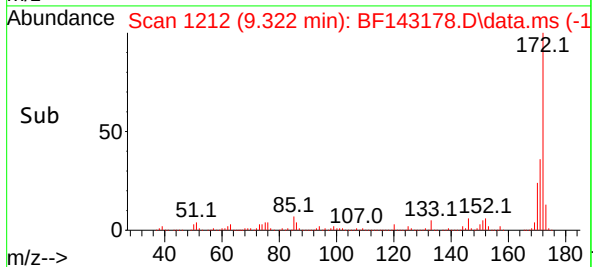
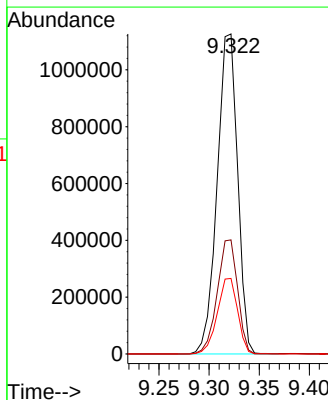
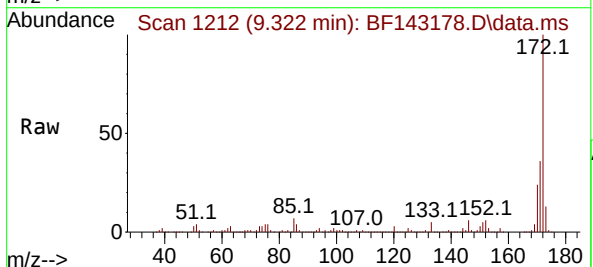


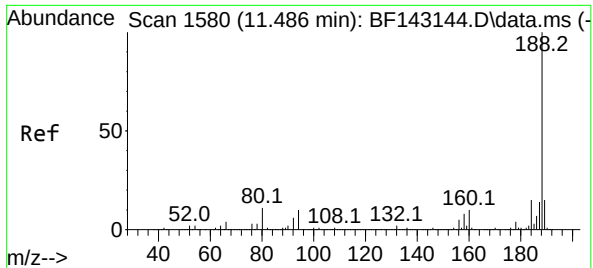
Tgt Ion: 330 Resp: 402512
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 27.6 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 73.478 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion: 172 Resp: 1596254
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.6 18.8 28.2

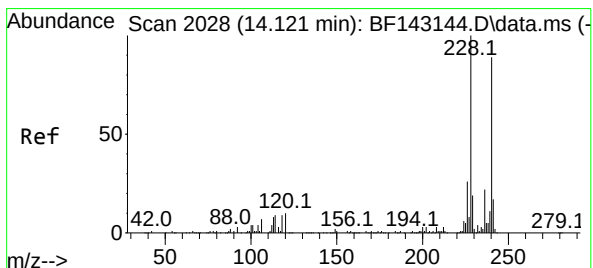
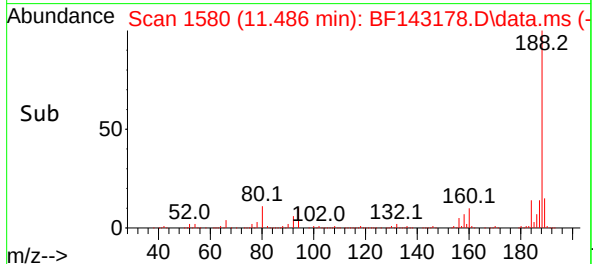
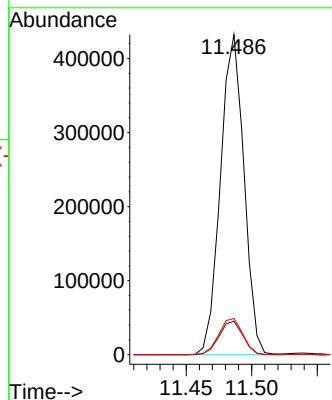
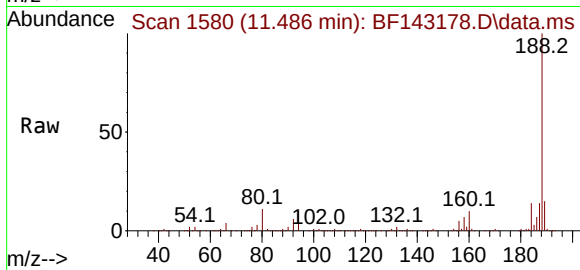




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

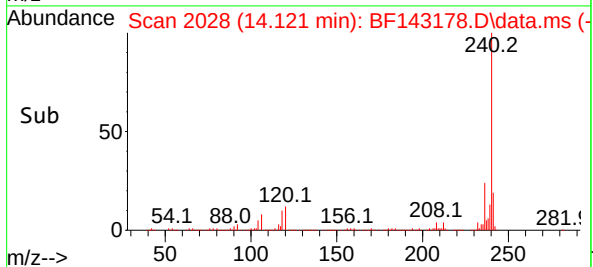
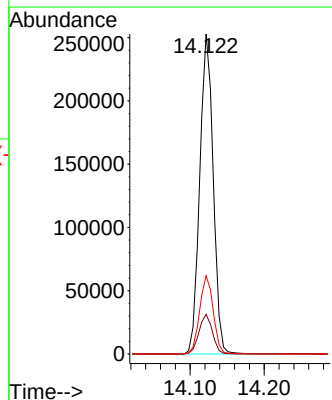
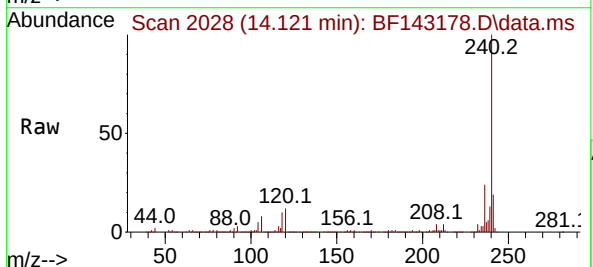
Instrument :
BNA_F
ClientSampleId :
PB168929BL

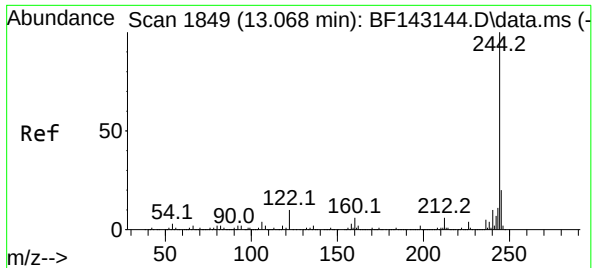
Tgt Ion:188 Resp: 537789
Ion Ratio Lower Upper
188 100
94 10.4 8.3 12.5
80 11.3 9.0 13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143178.D
Acq: 22 Jul 2025 09:15

Tgt Ion:240 Resp: 319412
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 24.5 20.2 30.4

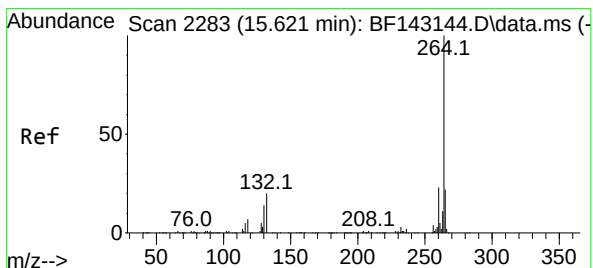
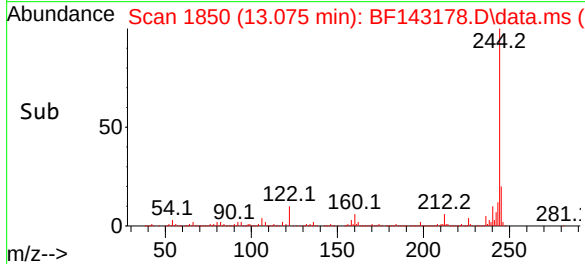
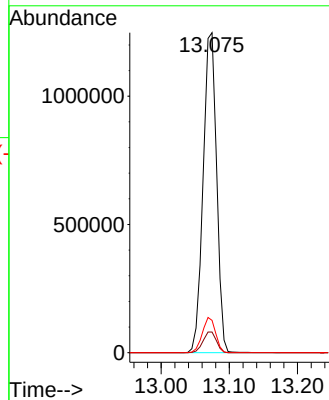
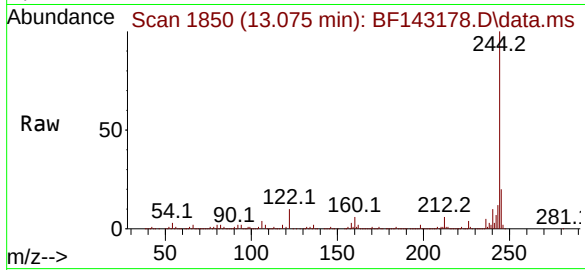




#79
 Terphenyl-d14
 Concen: 80.016 ng
 RT: 13.075 min Scan# 1849
 Delta R.T. 0.006 min
 Lab File: BF143178.D
 Acq: 22 Jul 2025 09:15

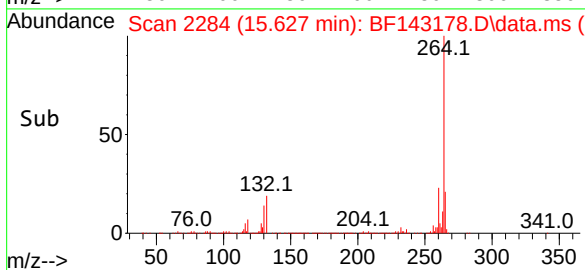
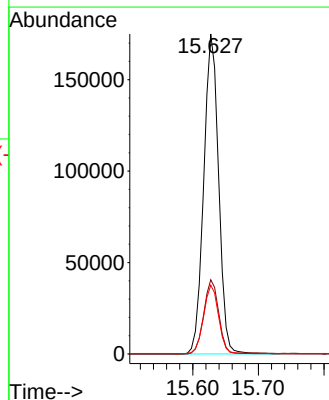
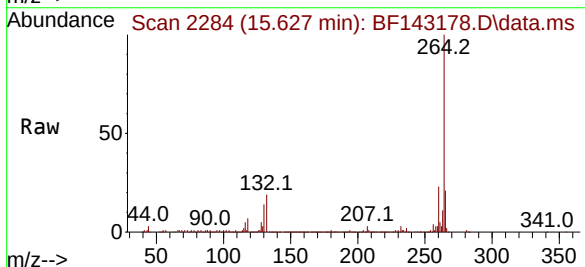
Instrument :
 BNA_F
 ClientSampleId :
 PB168929BL

Tgt Ion:244 Resp: 1717493
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 2284
 Delta R.T. 0.006 min
 Lab File: BF143178.D
 Acq: 22 Jul 2025 09:15

Tgt Ion:264 Resp: 277367
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 21.5 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143178.D
 Acq On : 22 Jul 2025 09:15
 Operator : RC/JU
 Sample : PB168929BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BL

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-BF071725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143178.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.216	507	514	526	rBV	264026	445994	9.53%	1.493%
2	5.604	573	580	585	rBV	2657887	3835507	82.00%	12.836%
3	6.581	739	746	752	rBV	2550099	3862431	82.57%	12.926%
4	6.963	805	811	816	rBV	712481	872004	18.64%	2.918%
5	7.516	898	905	911	rBV	1831742	2646160	56.57%	8.856%
6	8.240	1022	1028	1034	rBV	857445	1151835	24.62%	3.855%
7	9.316	1204	1211	1217	rBV	3322918	4677534	100.00%	15.654%
8	9.998	1321	1327	1332	rBV	1030254	1270956	27.17%	4.253%
9	10.786	1455	1461	1466	rBV	2223765	2898347	61.96%	9.700%
10	11.486	1574	1580	1585	rBV	1078380	1345689	28.77%	4.503%
11	13.069	1843	1849	1855	rBV	3304967	4583932	98.00%	15.341%
12	14.122	2023	2028	2036	rBV	687637	871593	18.63%	2.917%
13	15.627	2278	2284	2297	rBV	474095	771062	16.48%	2.580%
14	17.533	2598	2608	2632	rVB	126407	647987	13.85%	2.169%

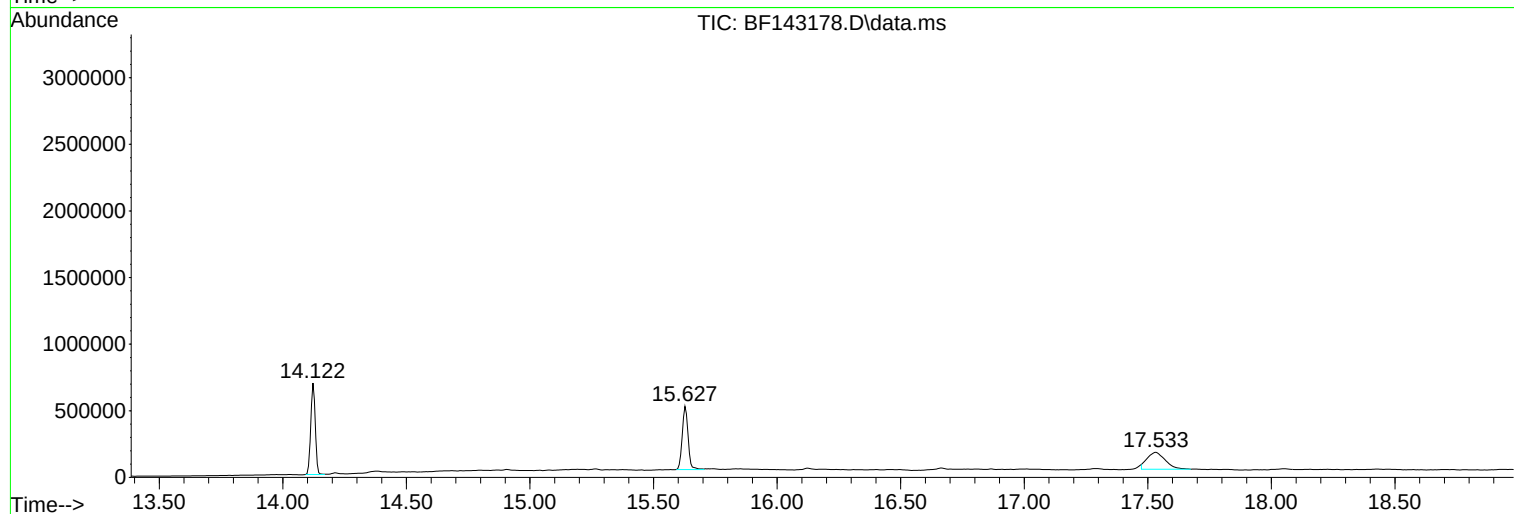
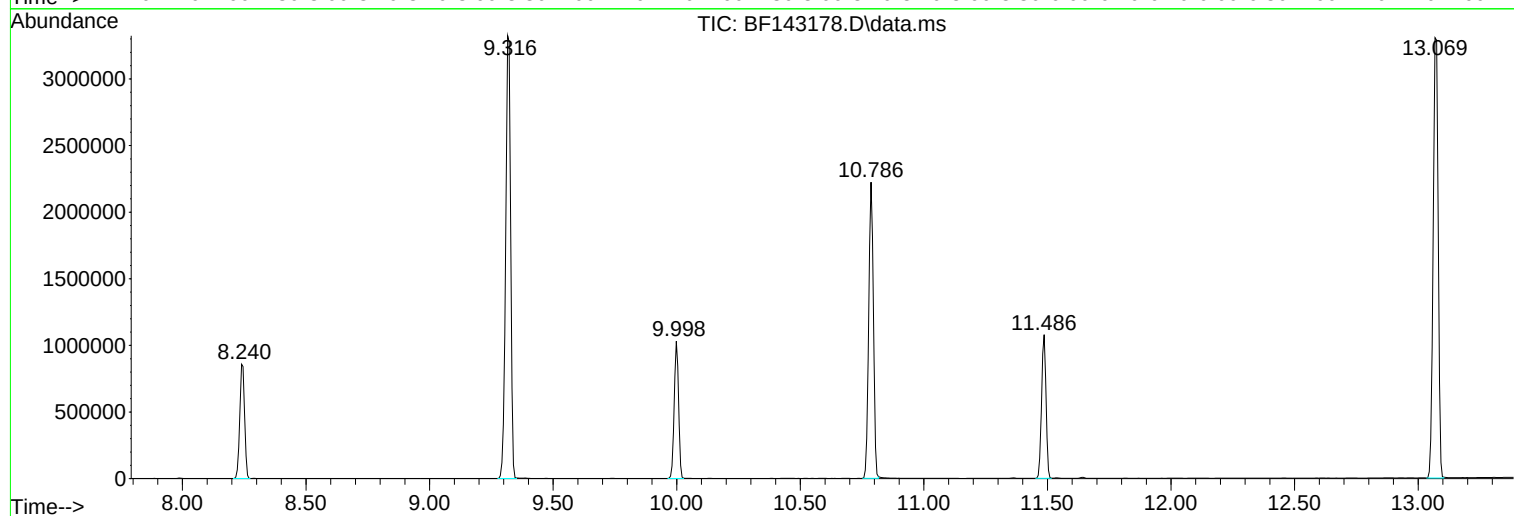
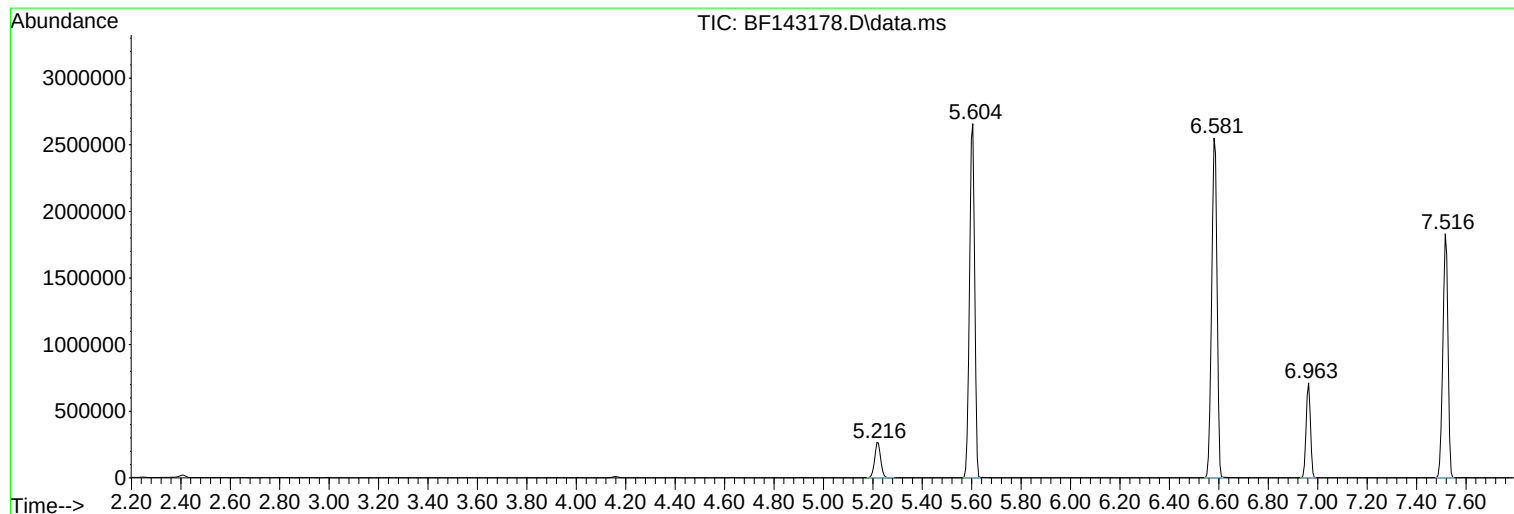
Sum of corrected areas: 29881031

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143178.D
Acq On : 22 Jul 2025 09:15
Operator : RC/JU
Sample : PB168929BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168929BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF072225\
Data File : BF143178.D
Acq On : 22 Jul 2025 09:15
Operator : RC/JU
Sample : PB168929BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168929BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143178.D
Acq On : 22 Jul 2025 09:15
Operator : RC/JU
Sample : PB168929BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168929BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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	#	RT	Resp	Conc

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BS	SDG No.:	Q2651
Lab Sample ID:	PB168929BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF143212.D	1	07/21/25 09:30	07/23/25 15:31	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	600		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1600		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BS	SDG No.:	Q2651
Lab Sample ID:	PB168929BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF143212.D	1	07/21/25 09:30	07/23/25 15:31	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1600		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1600		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2000		51.2	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		33.3	170	ug/Kg
86-74-8	Carbazole	1400		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Leon Avenue	Date Received:	
Client Sample ID:	PB168929BS	SDG No.:	Q2651
Lab Sample ID:	PB168929BS	Matrix:	SOIL
Analytical Method:	8270E	% 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
BF143212.D	1	07/21/25 09:30	07/23/25 15:31	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		18 - 112	71%	SPK: 150
13127-88-3	Phenol-d6	107		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		18 - 107	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.0		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	78.7		10 - 105	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.963			
1146-65-2	Naphthalene-d8	497000	8.245			
15067-26-2	Acenaphthene-d10	269000	10.004			
1517-22-2	Phenanthrene-d10	457000	11.486			
1719-03-5	Chrysene-d12	257000	14.127			
1520-96-3	Perylene-d12	259000	15.627			

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\BF072325\
 Data File : BF143212.D
 Acq On : 23 Jul 2025 15:31
 Operator : RC/JU
 Sample : PB168929BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Quant Time: Jul 23 15:57:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127346	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	497233	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	269042	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457175	20.000	ng	0.00
76) Chrysene-d12	14.127	240	257414	20.000	ng	0.00
86) Perylene-d12	15.627	264	259291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	856356	106.415	ng	0.02
7) Phenol-d6	6.593	99	1087717	107.386	ng	0.00
23) Nitrobenzene-d5	7.522	82	776976	77.891	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	327822	117.949	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1397519	71.040	ng	0.00
79) Terphenyl-d14	13.069	244	1360738	78.664	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.905	88	127224	33.411	ng	99
3) Pyridine	3.658	79	353529	35.770	ng	98
4) n-Nitrosodimethylamine	3.599	42	208931	40.945	ng	97
6) Aniline	6.628	93	446346	31.618	ng	100
8) 2-Chlorophenol	6.751	128	355572	42.153	ng	97
9) Benzaldehyde	6.510	77	240055	31.606	ng	97
10) Phenol	6.610	94	456674	41.386	ng	89
11) bis(2-Chloroethyl)ether	6.693	93	344126	40.731	ng	100
12) 1,3-Dichlorobenzene	6.904	146	372518	40.653	ng	100
13) 1,4-Dichlorobenzene	6.981	146	377541	40.912	ng	99
14) 1,2-Dichlorobenzene	7.134	146	364259	41.502	ng	100
15) Benzyl Alcohol	7.098	79	331900	42.914	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	639401	40.797	ng	97
17) 2-Methylphenol	7.210	107	298687	42.113	ng	99
18) Hexachloroethane	7.481	117	136455	42.714	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	262936	40.461	ng	98
20) 3+4-Methylphenols	7.363	107	359582	41.787	ng	# 80
22) Acetophenone	7.369	105	482041	40.948	ng	# 96
24) Nitrobenzene	7.540	77	393984	42.364	ng	100
25) Isophorone	7.781	82	738787	41.954	ng	99
26) 2-Nitrophenol	7.857	139	193942	48.051	ng	100
27) 2,4-Dimethylphenol	7.893	122	342191	41.592	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	439929	41.668	ng	99
29) 2,4-Dichlorophenol	8.098	162	295824	42.636	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	318755	42.525	ng	99
31) Naphthalene	8.269	128	1019308	41.625	ng	100
32) Benzoic acid	8.010	122	231444	49.730	ng	99
33) 4-Chloroaniline	8.304	127	180929	18.095	ng	99
34) Hexachlorobutadiene	8.387	225	196852	42.990	ng	99
35) Caprolactam	8.675	113	103126m	49.186	ng	
36) 4-Chloro-3-methylphenol	8.793	107	335805	44.529	ng	98
37) 2-Methylnaphthalene	8.957	142	637504	42.782	ng	100
38) 1-Methylnaphthalene	9.057	142	659370	42.971	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	310898	40.025	ng	99
41) Hexachlorocyclopentadiene	9.116	237	434132	85.897	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	222483	41.386	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143212.D
 Acq On : 23 Jul 2025 15:31
 Operator : RC/JU
 Sample : PB168929BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Quant Time: Jul 23 15:57:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	236559	43.991	ng	99
46) 1,1'-Biphenyl	9.422	154	870859	41.488	ng	100
47) 2-Chloronaphthalene	9.445	162	644057	41.468	ng	99
48) 2-Nitroaniline	9.534	65	222155	45.611	ng	99
49) Acenaphthylene	9.863	152	1097730	42.174	ng	99
50) Dimethylphthalate	9.716	163	772585	44.055	ng	100
51) 2,6-Dinitrotoluene	9.775	165	170575	47.813	ng	99
52) Acenaphthene	10.039	154	703577	45.734	ng	97
53) 3-Nitroaniline	9.945	138	126346	30.278	ng	99
54) 2,4-Dinitrophenol	10.051	184	175905	106.394	ng	# 1
55) Dibenzofuran	10.210	168	946920	41.458	ng	100
56) 4-Nitrophenol	10.104	139	288611	92.622	ng	99
57) 2,4-Dinitrotoluene	10.181	165	230038	51.396	ng	96
58) Fluorene	10.551	166	731345	42.663	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	183839	41.271	ng	99
60) Diethylphthalate	10.422	149	770778	44.467	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	370456	43.401	ng	100
62) 4-Nitroaniline	10.563	138	172252	48.165	ng	97
63) Azobenzene	10.698	77	767093	42.462	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	117398	48.873	ng	97
66) n-Nitrosodiphenylamine	10.657	169	663950	41.243	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	229335	42.093	ng	98
68) Hexachlorobenzene	11.104	284	237782	41.755	ng	97
69) Atrazine	11.181	200	212724	47.930	ng	100
70) Pentachlorophenol	11.292	266	199919	59.697	ng	99
71) Phenanthrene	11.516	178	1013473	41.750	ng	99
72) Anthracene	11.563	178	1042962	42.127	ng	100
73) Carbazole	11.716	167	936735	43.331	ng	100
74) Di-n-butylphthalate	12.039	149	1158302	47.353	ng	100
75) Fluoranthene	12.698	202	1021601	45.851	ng	99
77) Benzidine	12.810	184	439225	44.288	ng	99
78) Pyrene	12.928	202	997507	45.405	ng	100
80) Butylbenzylphthalate	13.539	149	388473	57.747	ng	98
81) Benzo(a)anthracene	14.116	228	768789	44.609	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	130418	22.706	ng	99
83) Chrysene	14.151	228	667015	43.047	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	509639	50.052	ng	100
85) Di-n-octyl phthalate	14.710	149	801994	43.453	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	801110	43.816	ng	98
88) Benzo(b)fluoranthene	15.180	252	699919	44.186	ng	100
89) Benzo(k)fluoranthene	15.216	252	629517	44.536	ng	99
90) Benzo(a)pyrene	15.563	252	650257	44.555	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	650784	43.731	ng	99
92) Benzo(g,h,i)perylene	17.639	276	645025	44.808	ng	98

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

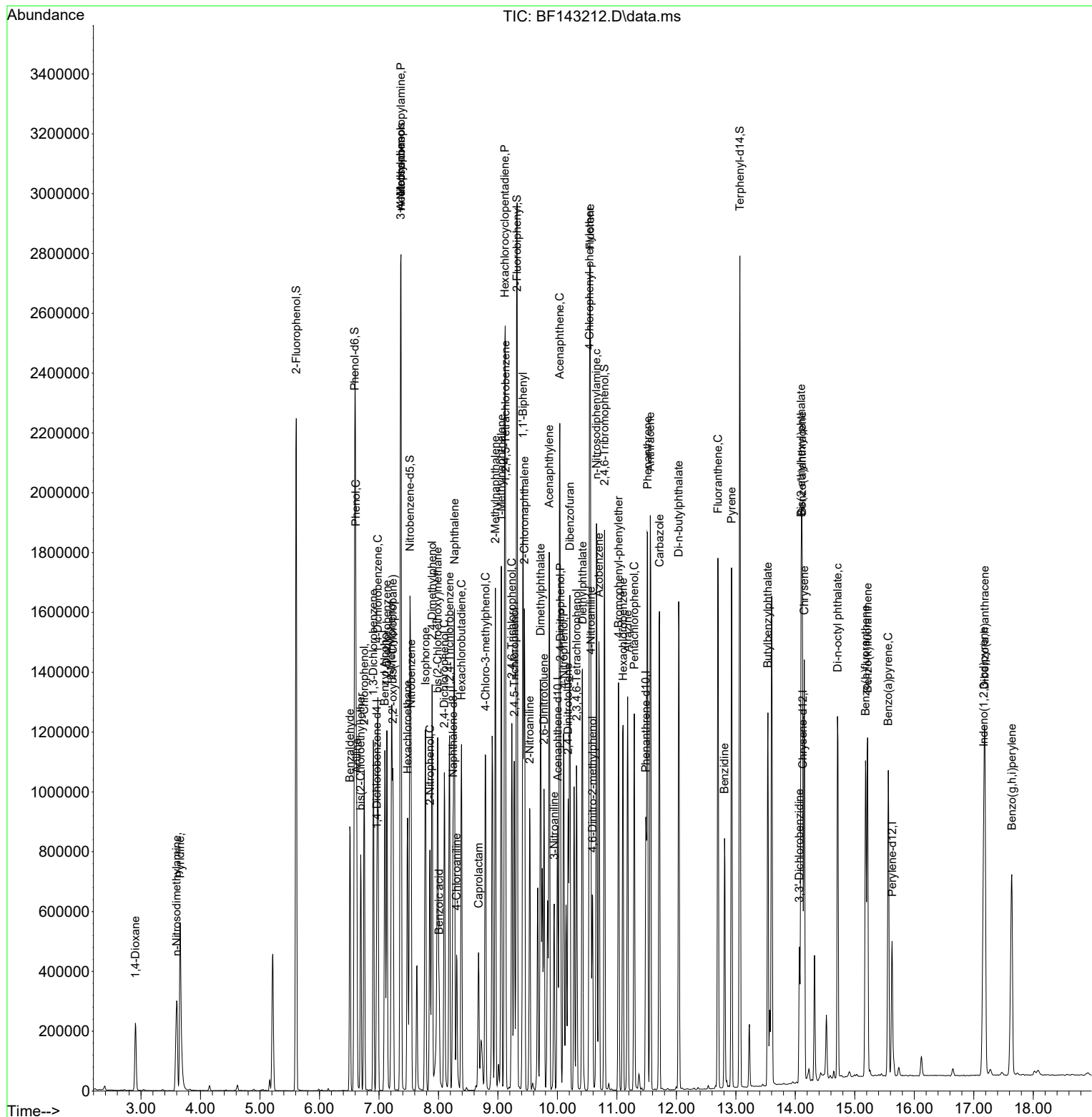
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Data File : BF143212.D
Acq On : 23 Jul 2025 15:31
Operator : RC/JU
Sample : PB168929BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

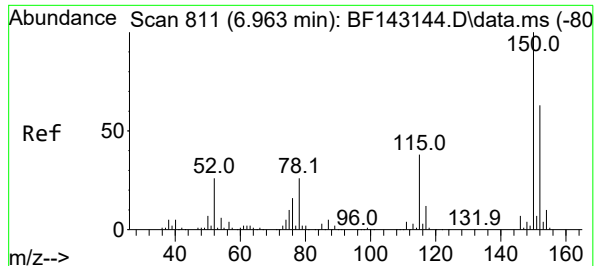
Instrument :
BNA_F
ClientSampleId :
PB168929BS

Manual Integrations

Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jaagrut Upadhyay 07/24/2025

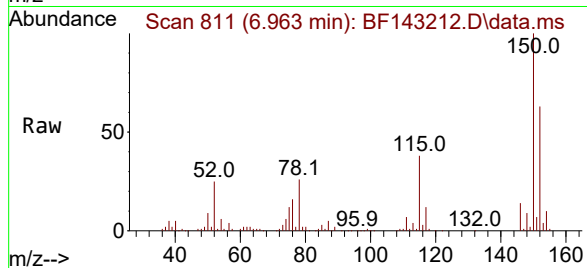
Quant Time: Jul 23 15:57:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

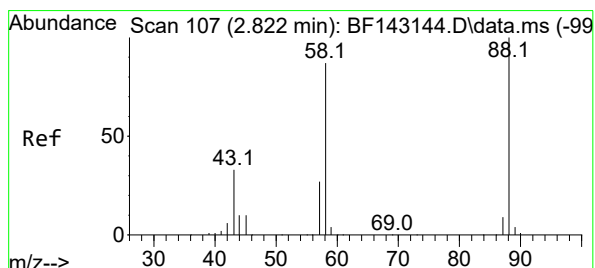
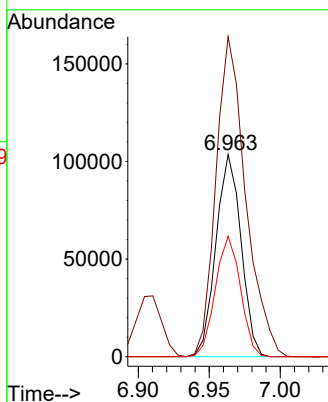
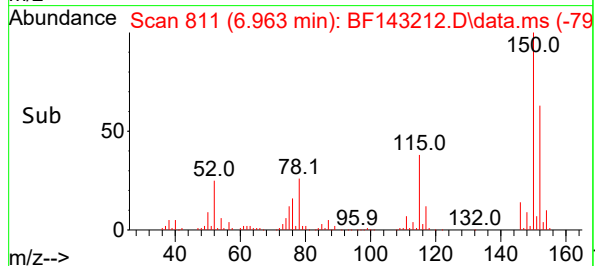
Instrument :
BNA_F
ClientSampleId :
PB168929BS



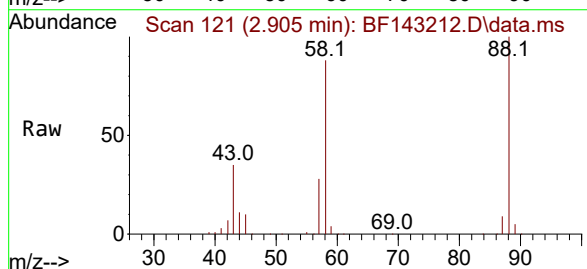
Tgt Ion:152 Resp: 127340
Ion Ratio Lower Upper
152 100
150 158.4 128.2 192.4
115 59.6 47.9 71.9

Manual Integrations
APPROVED

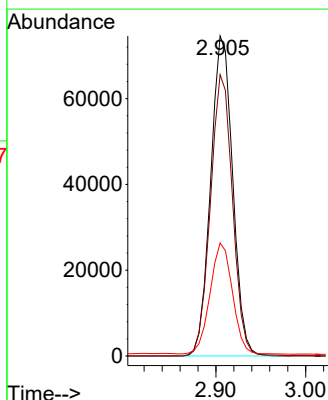
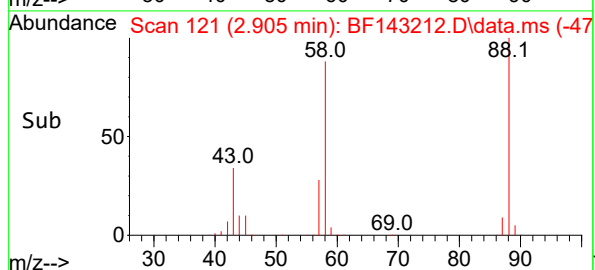
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

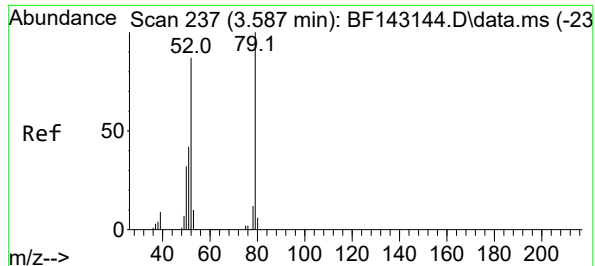


#2
1,4-Dioxane
Concen: 33.411 ng
RT: 2.905 min Scan# 121
Delta R.T. 0.083 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



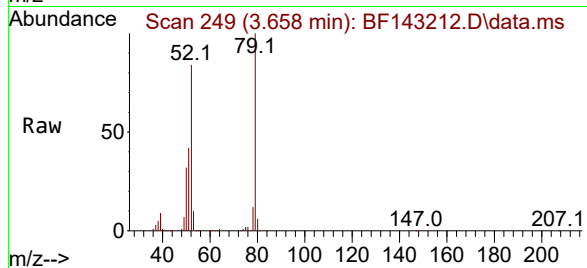
Tgt Ion: 88 Resp: 127224
Ion Ratio Lower Upper
88 100
58 88.3 70.2 105.2
43 35.3 27.1 40.7





#3
Pyridine
Concen: 35.770 ng
RT: 3.658 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

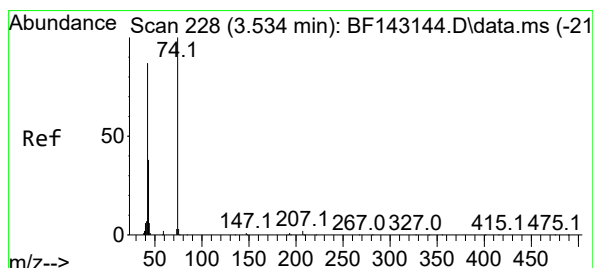
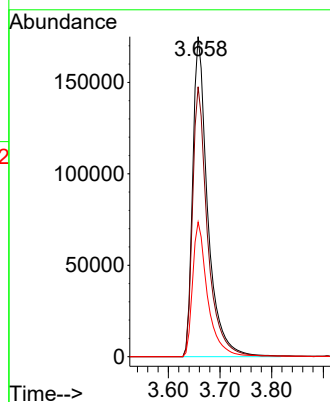
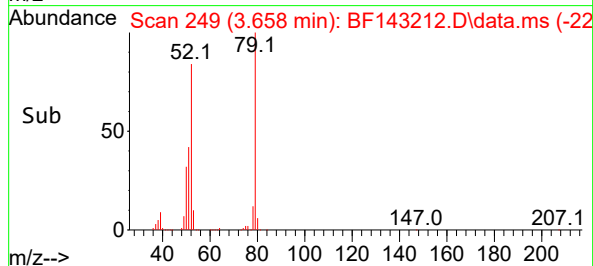
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion: 79 Resp: 353529
Ion Ratio Lower Upper
79 100
52 84.3 69.4 104.2
51 42.1 33.5 50.3

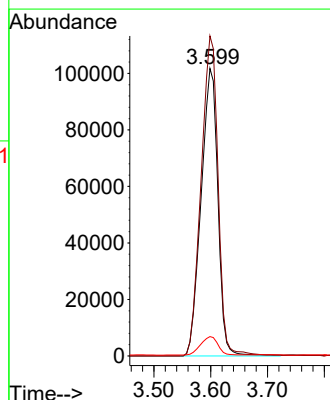
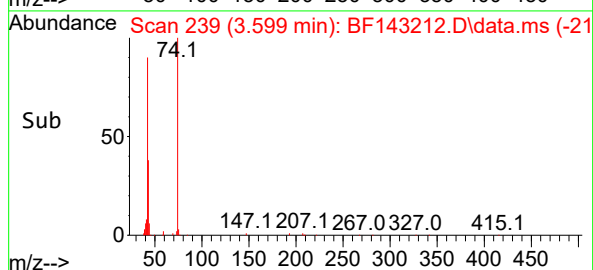
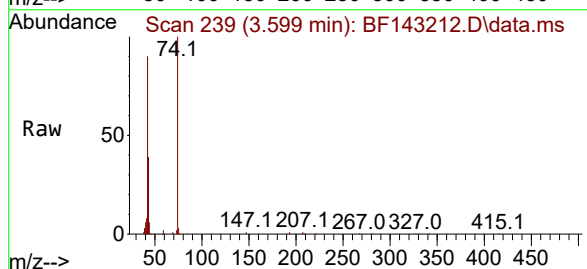
Manual Integrations
APPROVED

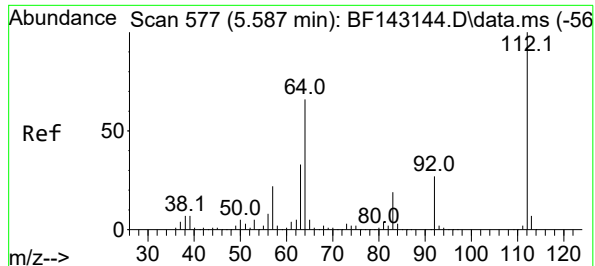
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#4
n-Nitrosodimethylamine
Concen: 40.945 ng
RT: 3.599 min Scan# 239
Delta R.T. 0.065 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion: 42 Resp: 208931
Ion Ratio Lower Upper
42 100
74 111.3 91.7 137.5
44 6.7 5.6 8.4





#5

2-Fluorophenol

Concen: 106.415 ng

RT: 5.610 min Scan# 51

Delta R.T. 0.024 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:112 Resp: 856350

Ion Ratio Lower Upper

112 100

64 63.8 53.1 79.7

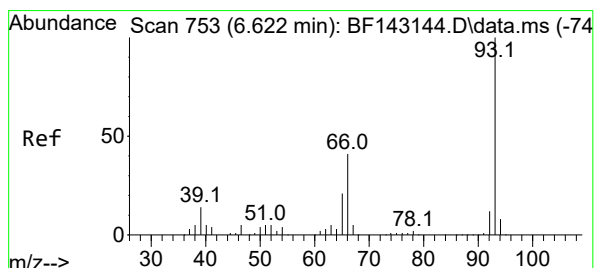
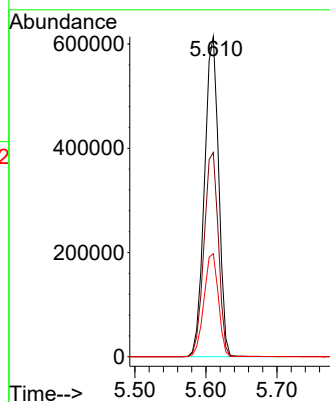
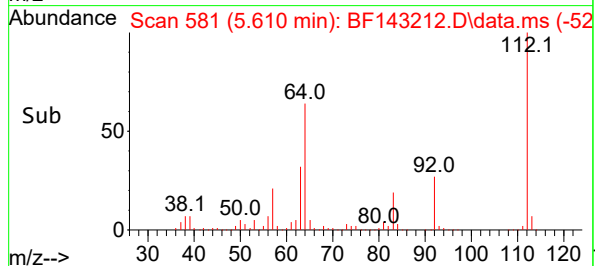
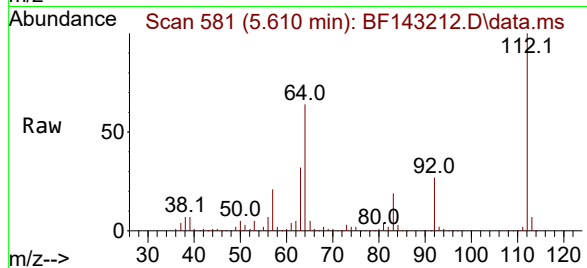
63 32.2 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#6

Aniline

Concen: 31.618 ng

RT: 6.628 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

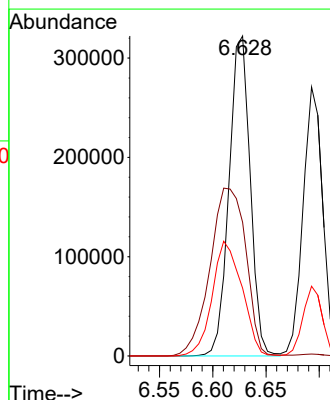
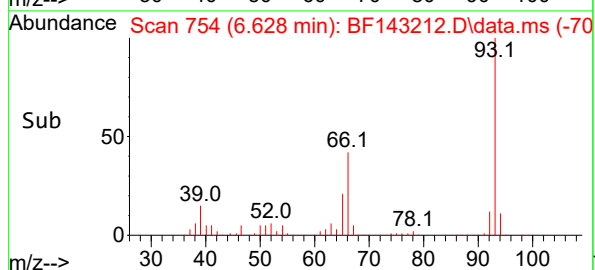
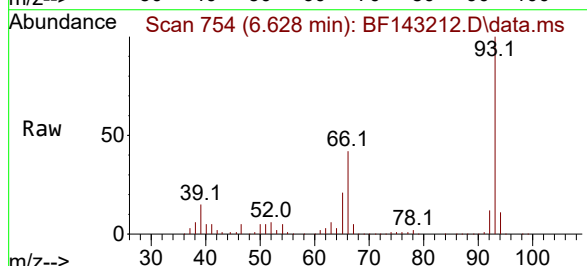
Tgt Ion: 93 Resp: 446346

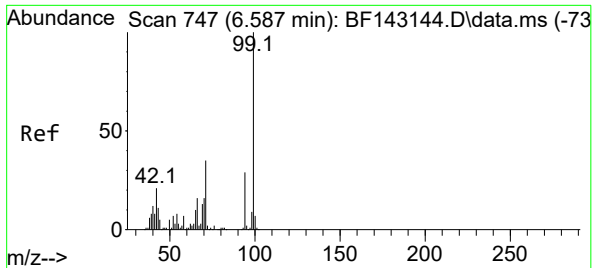
Ion Ratio Lower Upper

93 100

66 41.8 33.2 49.8

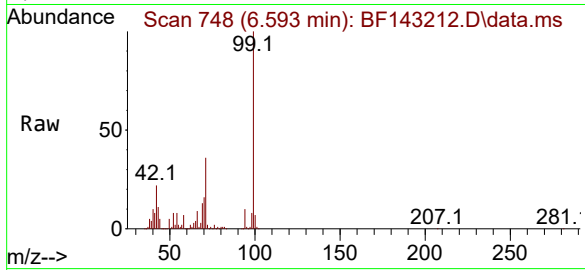
65 21.2 16.9 25.3





#7
Phenol-d6
Concen: 107.386 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

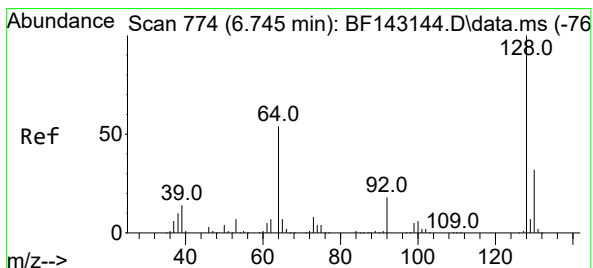
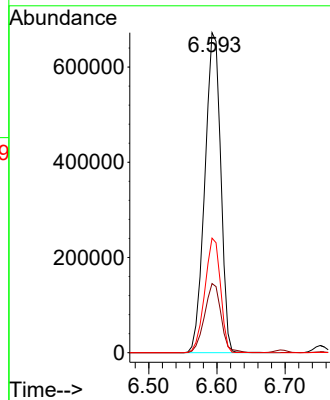
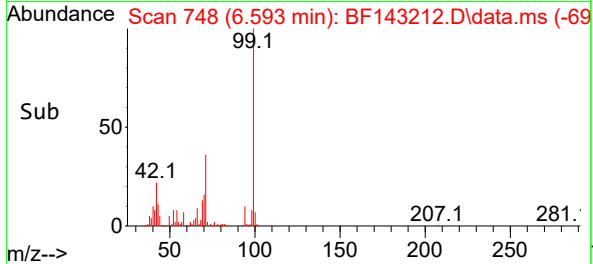
Instrument :
BNA_F
ClientSampleId :
PB168929BS



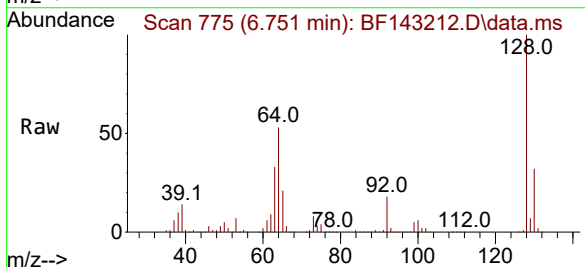
Tgt Ion: 99 Resp: 108771
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 35.8 27.7 41.5

Manual Integrations
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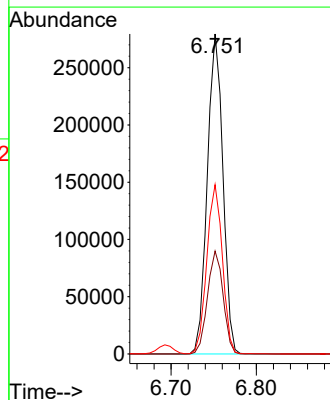
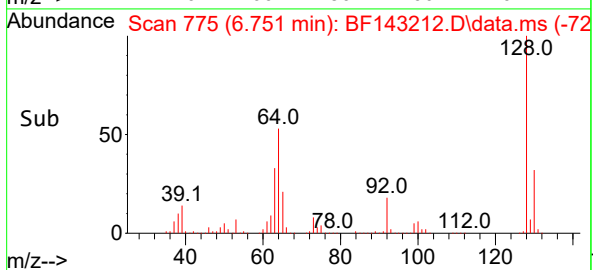
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

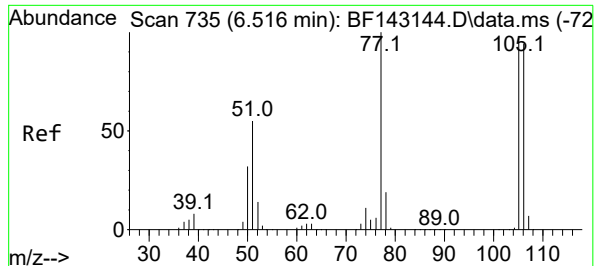


#8
2-Chlorophenol
Concen: 42.153 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



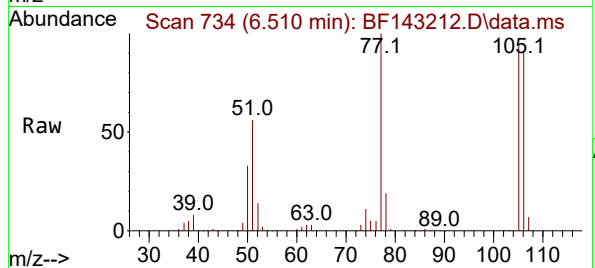
Tgt Ion:128 Resp: 355572
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 52.9 35.9 75.9





#9
Benzaldehyde
Concen: 31.606 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

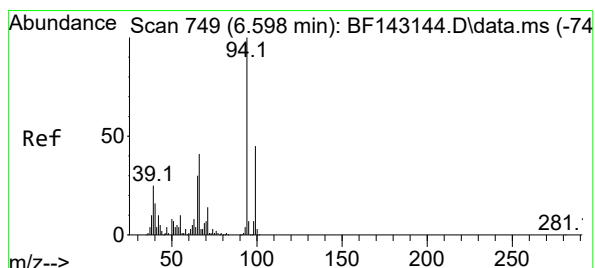
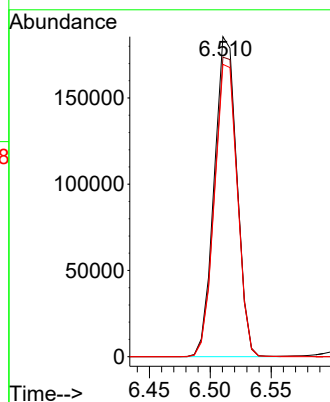
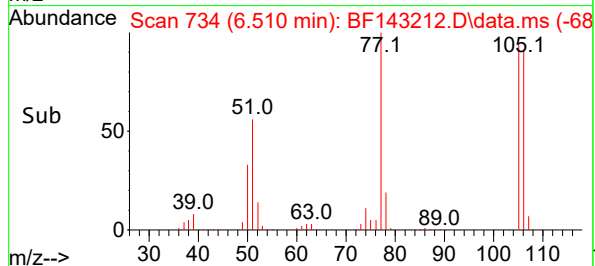
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion: 77 Resp: 24005
Ion Ratio Lower Upper
77 100
105 93.6 76.8 116.8
106 91.3 74.4 114.4

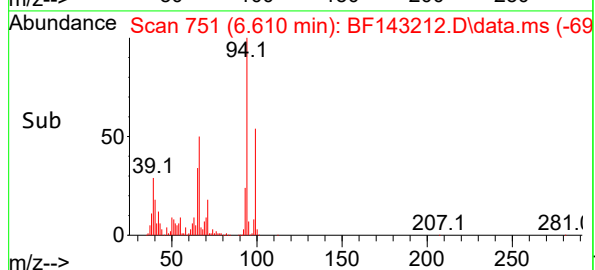
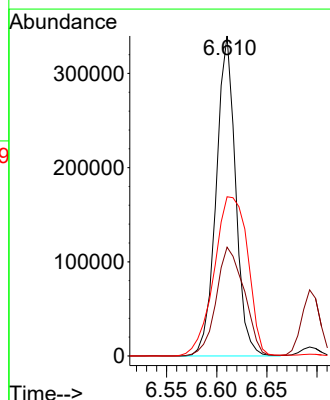
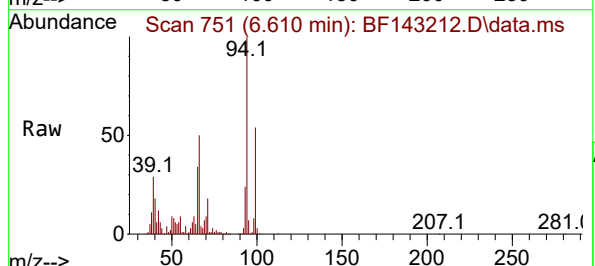
Manual Integrations
APPROVED

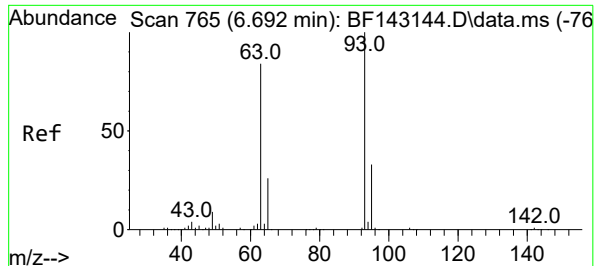
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#10
Phenol
Concen: 41.386 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

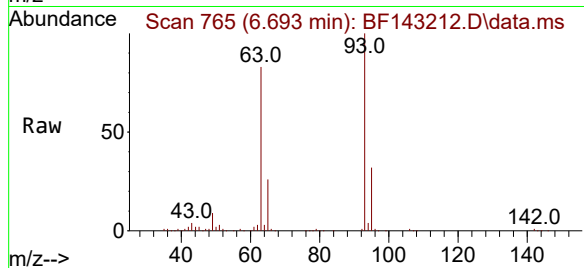
Tgt Ion: 94 Resp: 456674
Ion Ratio Lower Upper
94 100
65 34.0 10.0 50.0
66 49.7 20.8 60.8





#11
bis(2-Chloroethyl)ether
Concen: 40.731 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

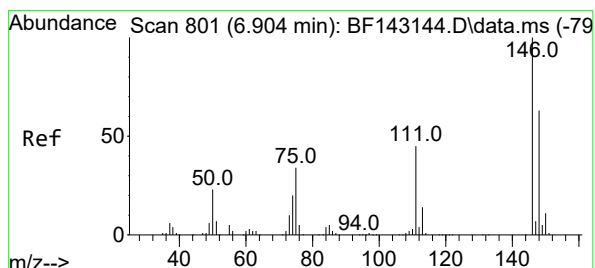
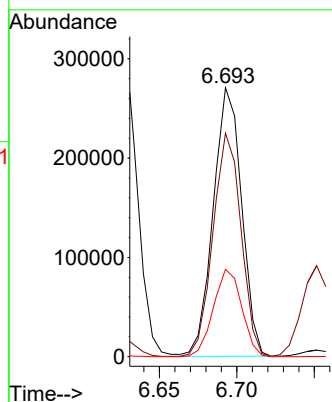
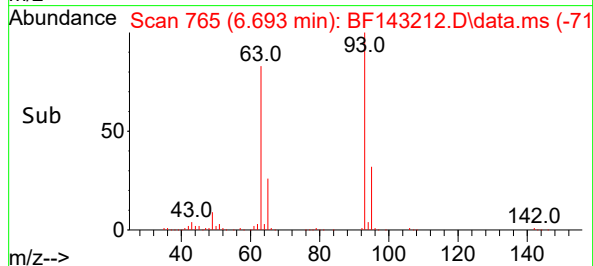
Instrument :
BNA_F
ClientSampleId :
PB168929BS



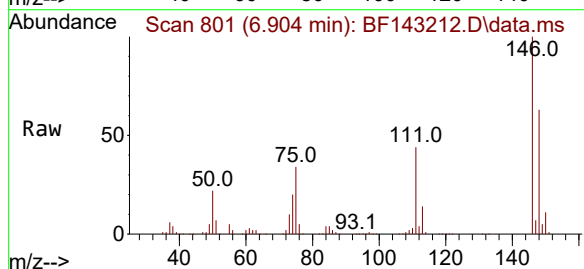
Tgt Ion: 93 Resp: 344120
Ion Ratio Lower Upper
93 100
63 83.1 63.4 103.4
95 32.5 12.4 52.4

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APPROVED

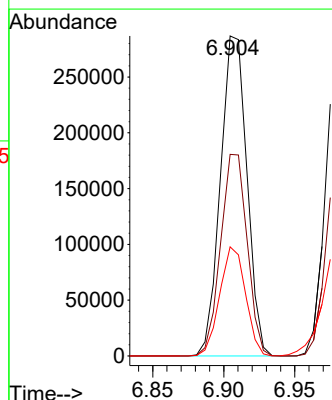
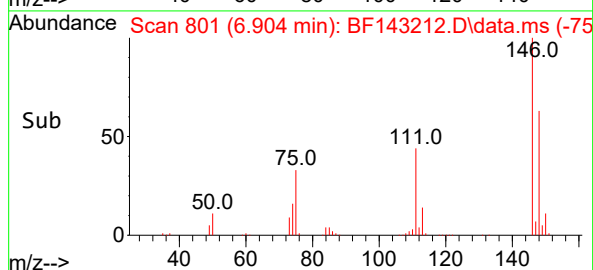
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

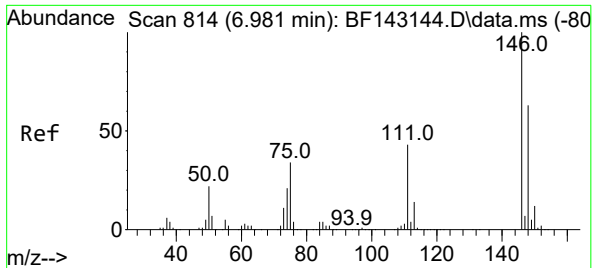


#12
1,3-Dichlorobenzene
Concen: 40.653 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:146 Resp: 372518
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
75 34.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.912 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:146 Resp: 37754

Ion Ratio Lower Upper

146 100

148 63.7 50.3 75.5

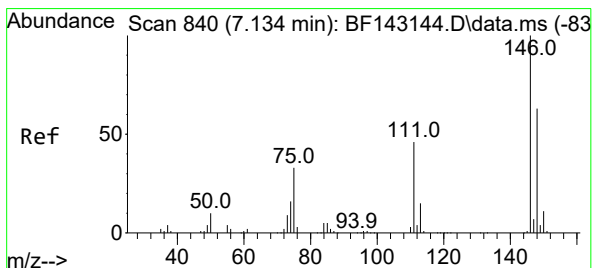
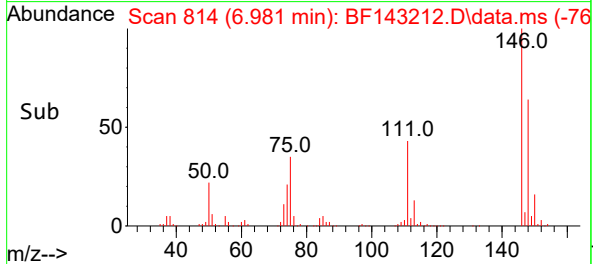
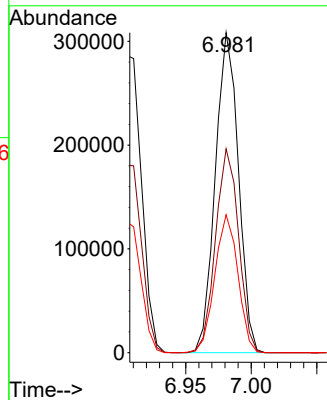
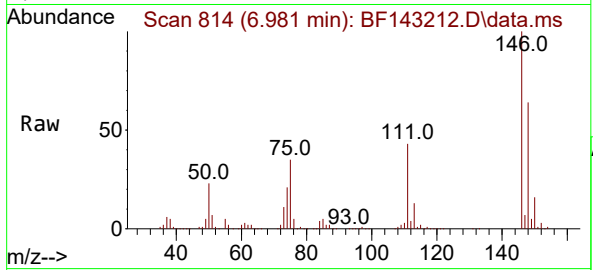
111 43.1 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#14

1,2-Dichlorobenzene

Concen: 41.502 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

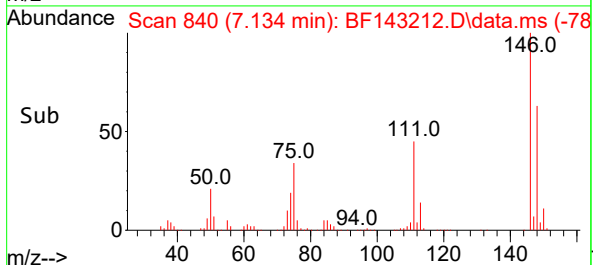
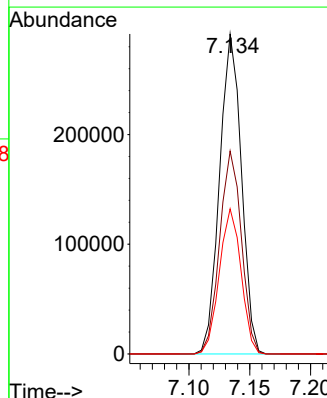
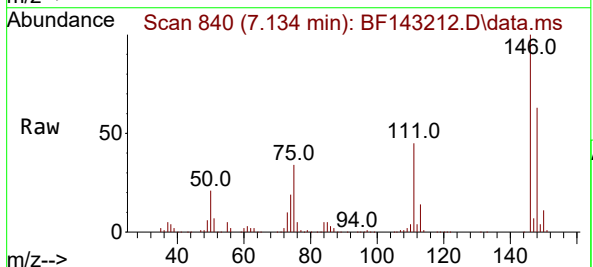
Tgt Ion:146 Resp: 364259

Ion Ratio Lower Upper

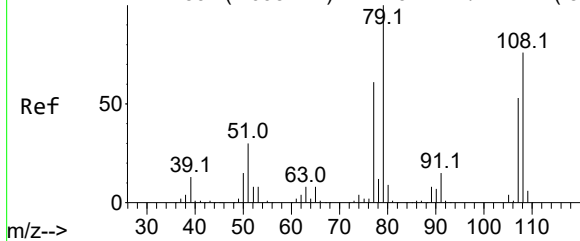
146 100

148 63.4 50.7 76.1

111 45.4 36.6 54.8



Abundance Scan 834 (7.098 min): BF143144.D\data.ms (-82



#15

Benzyl Alcohol

Concen: 42.914 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion: 79 Resp: 331900

Ion Ratio Lower Upper

79 100

108 75.7 61.1 91.7

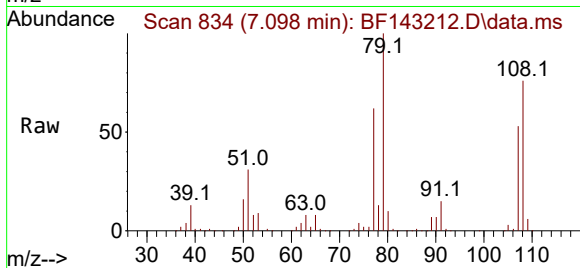
77 61.7 48.9 73.3

Manual Integrations

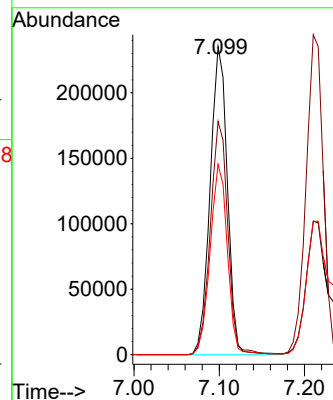
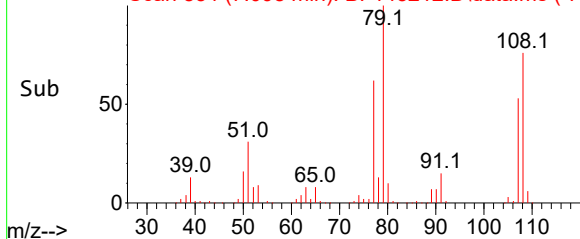
APPROVED

Reviewed By :Rahul Chavli 07/24/2025

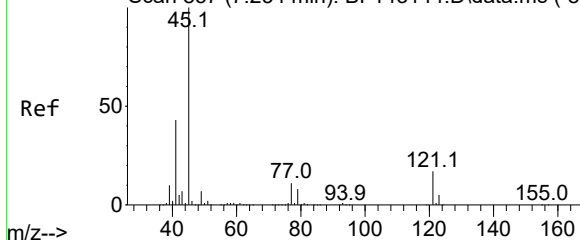
Supervised By :Jagrut Upadhyay 07/24/2025



Abundance Scan 834 (7.098 min): BF143212.D\data.ms (-78



Abundance Scan 857 (7.234 min): BF143144.D\data.ms (-84



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.797 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

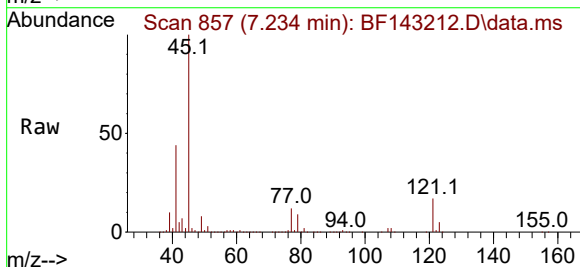
Tgt Ion: 45 Resp: 639401

Ion Ratio Lower Upper

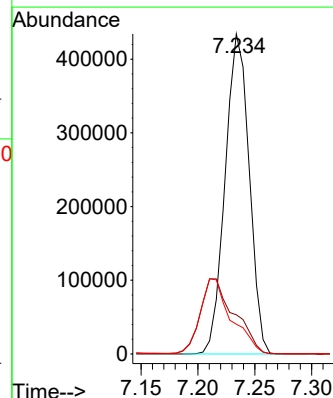
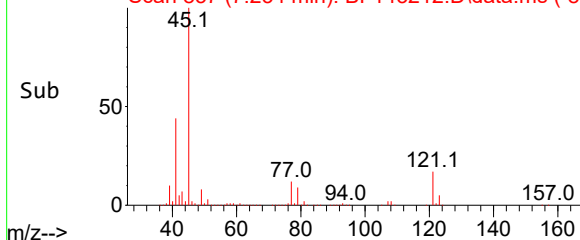
45 100

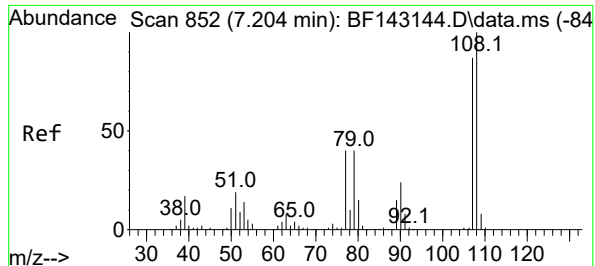
77 12.3 0.0 31.2

79 9.3 0.0 28.5



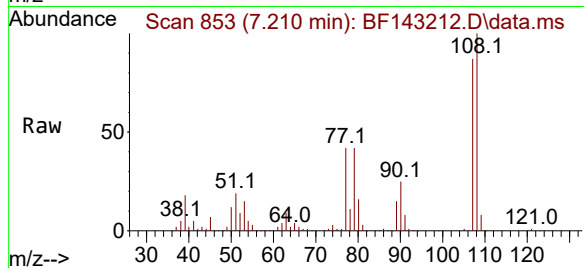
Abundance Scan 857 (7.234 min): BF143212.D\data.ms (-80





#17
2-Methylphenol
Concen: 42.113 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

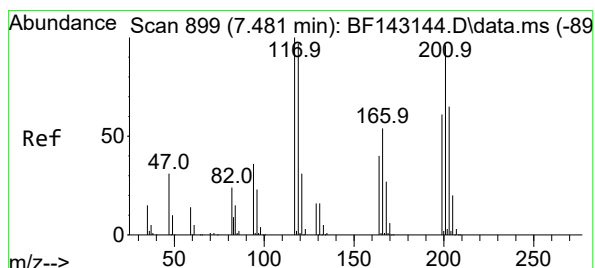
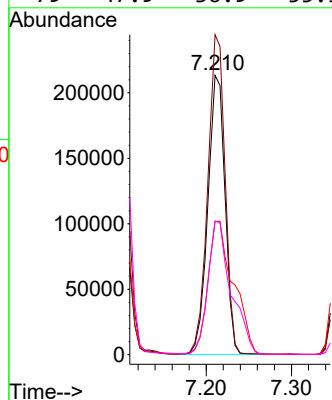
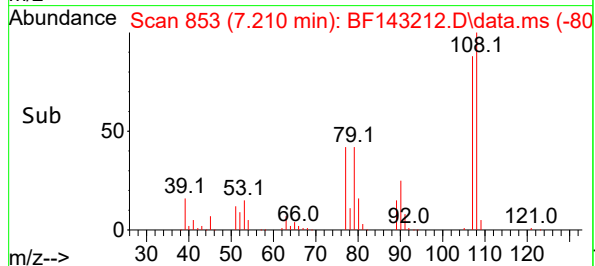
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:107 Resp: 29868
Ion Ratio Lower Upper
107 100
108 114.5 91.8 137.6
77 47.8 37.0 55.6
79 47.9 36.9 55.3

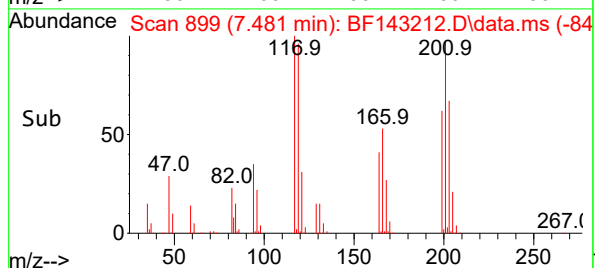
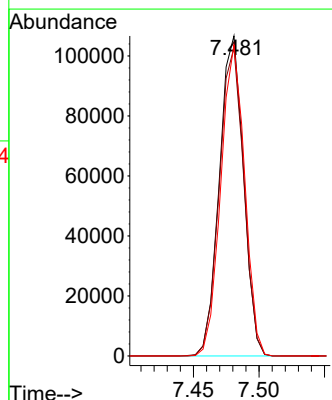
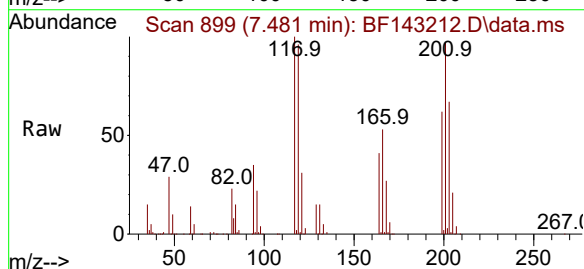
Manual Integrations
APPROVED

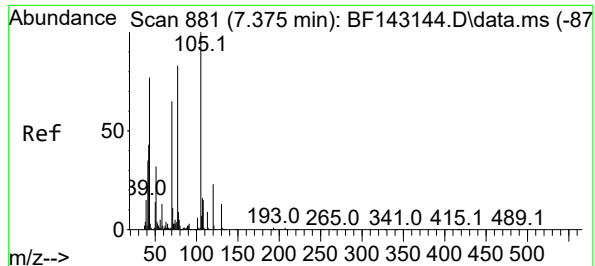
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#18
Hexachloroethane
Concen: 42.714 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:117 Resp: 136455
Ion Ratio Lower Upper
117 100
119 96.4 77.8 116.8
201 97.2 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.461 ng

RT: 7.369 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion: 70 Resp: 262930

Ion Ratio Lower Upper

70 100

42 67.7 52.5 78.7

101 9.5 7.6 11.4

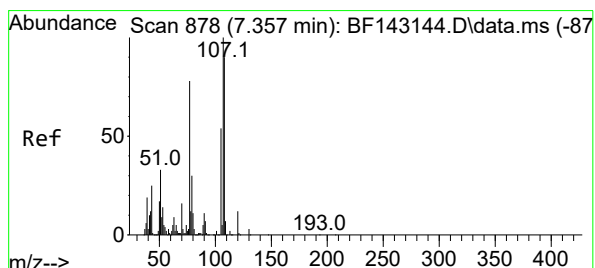
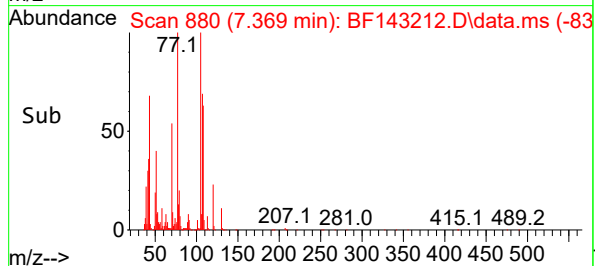
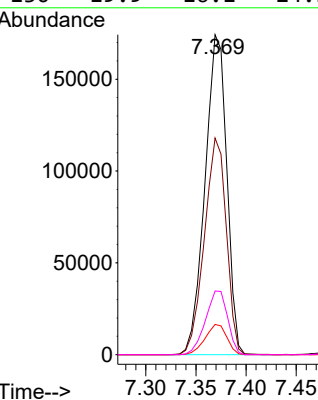
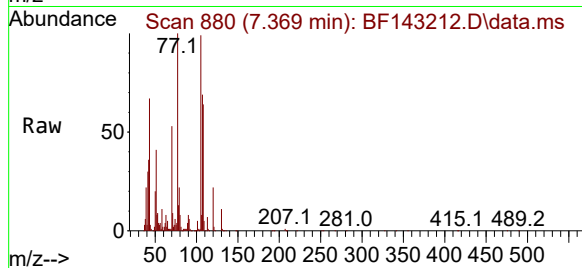
130 19.9 16.1 24.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#20

3+4-Methylphenols

Concen: 41.787 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion:107 Resp: 359582

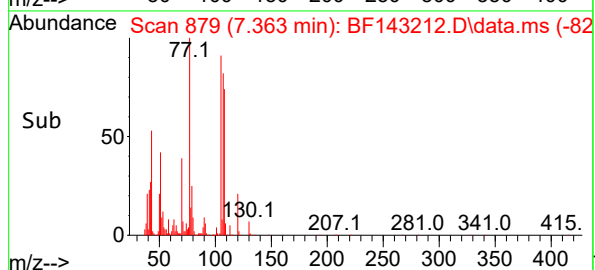
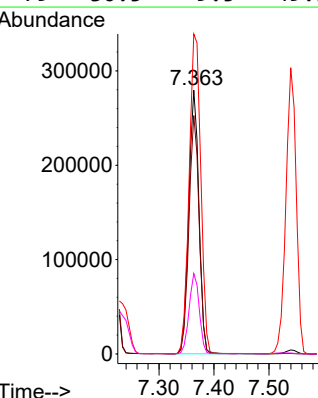
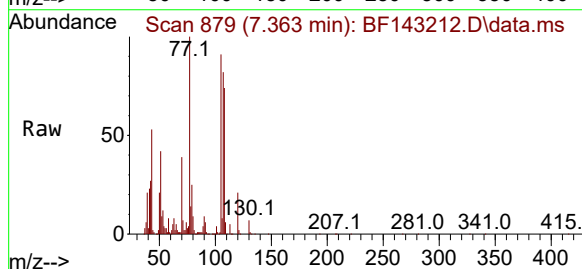
Ion Ratio Lower Upper

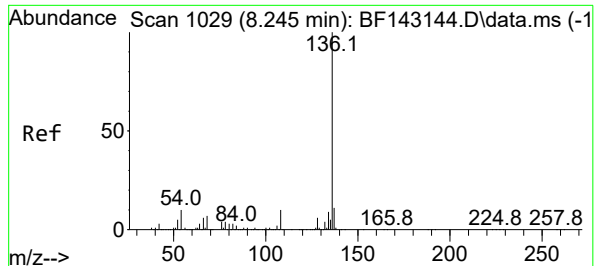
107 100

108 90.4 70.0 110.0

77 121.4 57.8 97.8#

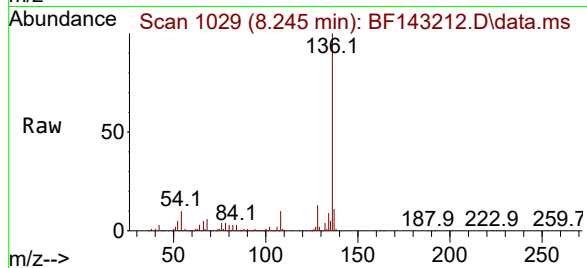
79 30.5 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

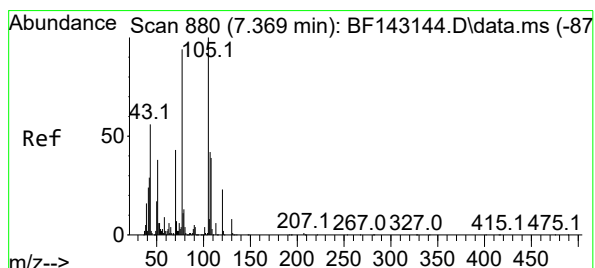
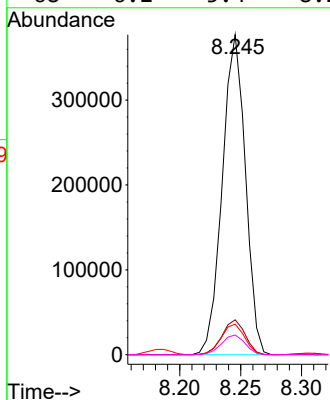
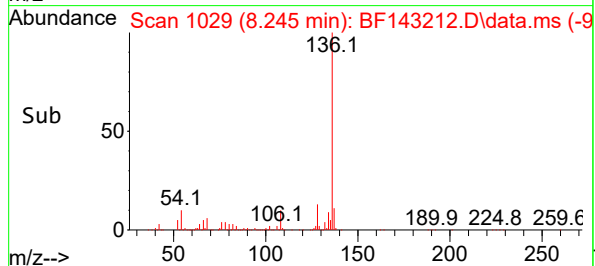
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:136 Resp: 49723
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 8.2 12.2
68 6.2 5.4 8.2

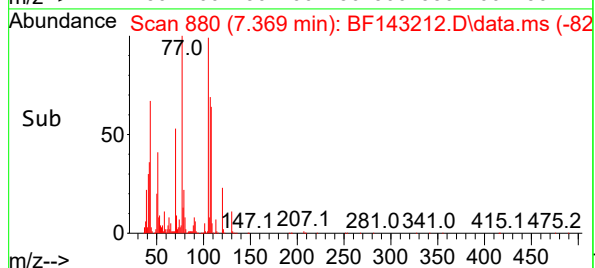
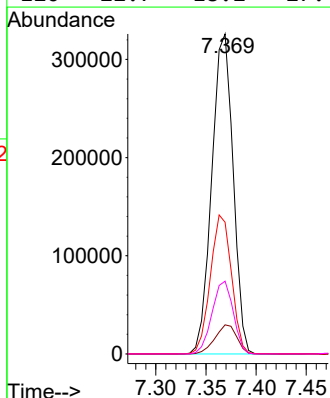
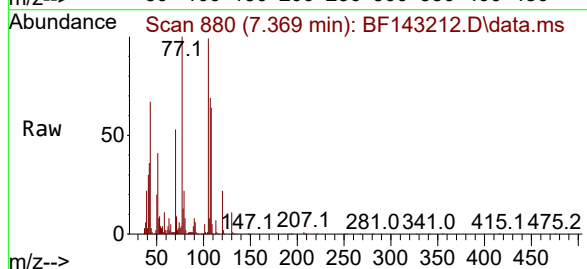
Manual Integrations
APPROVED

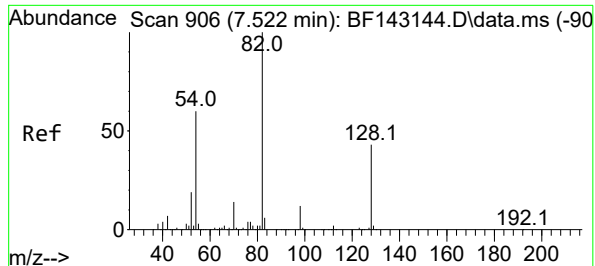
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#22
Acetophenone
Concen: 40.948 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:105 Resp: 482041
Ion Ratio Lower Upper
105 100
71 9.1 5.8 8.6#
51 41.1 30.2 45.2
120 22.7 18.2 27.4





#23

Nitrobenzene-d5

Concen: 77.891 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion: 82 Resp: 776970

Ion Ratio Lower Upper

82 100

128 42.8 33.6 50.4

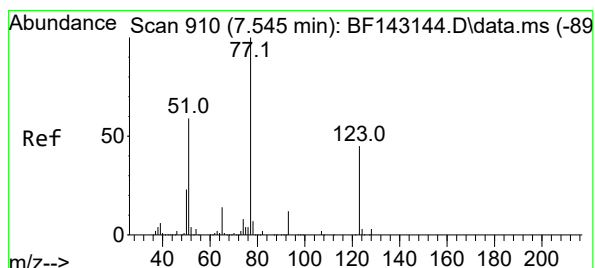
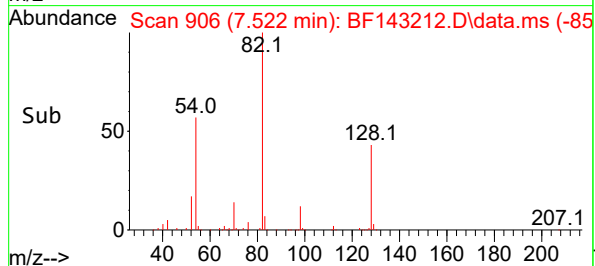
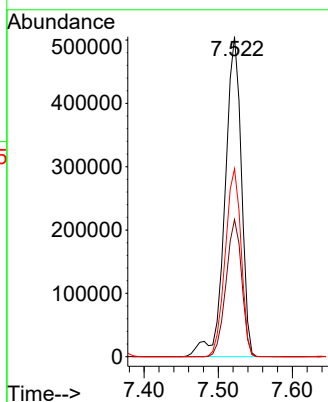
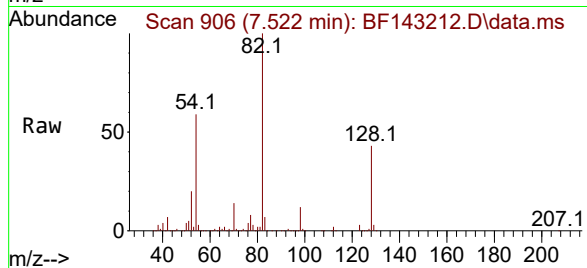
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#24

Nitrobenzene

Concen: 42.364 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

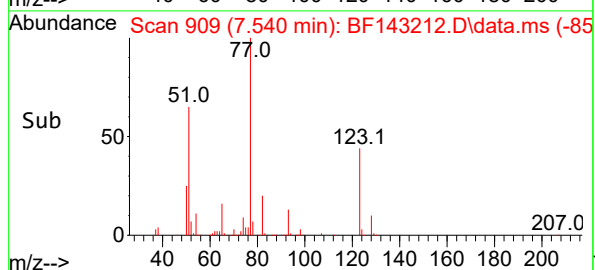
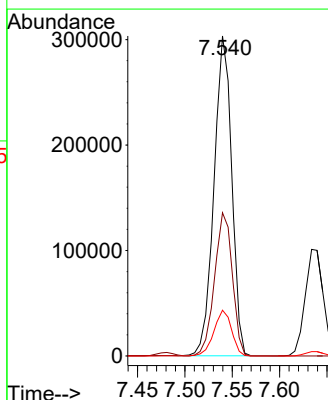
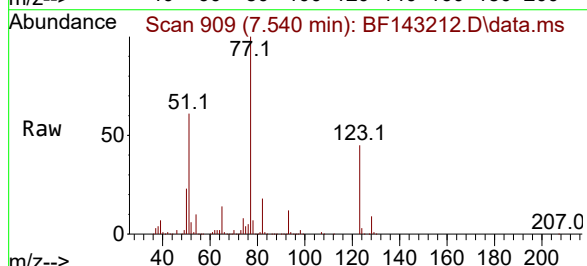
Tgt Ion: 77 Resp: 393984

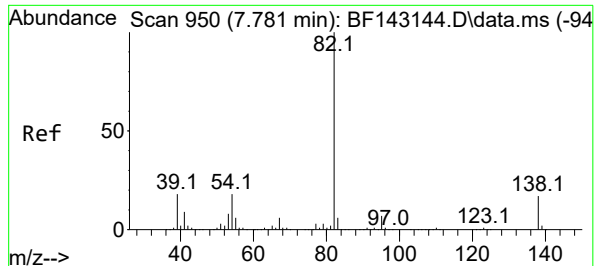
Ion Ratio Lower Upper

77 100

123 44.8 36.1 54.1

65 14.3 11.4 17.2





#25

Isophorone

Concen: 41.954 ng

RT: 7.781 min Scan# 950

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion: 82 Resp: 73878

Ion Ratio Lower Upper

82 100

95 7.1 5.5 8.3

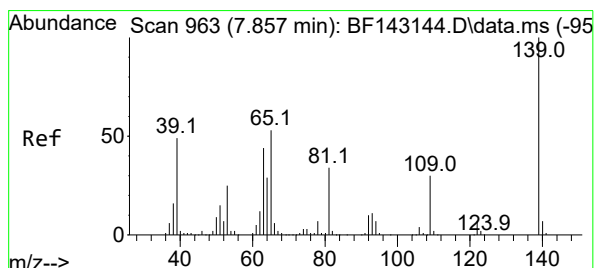
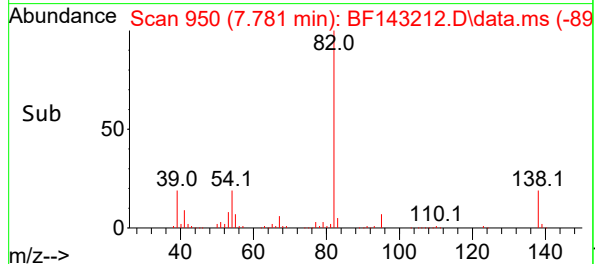
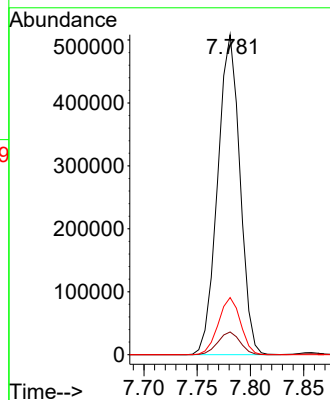
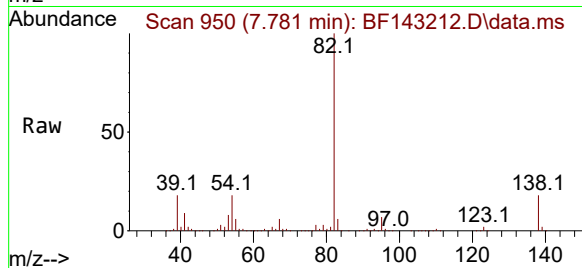
138 17.9 13.8 20.8

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#26

2-Nitrophenol

Concen: 48.051 ng

RT: 7.857 min Scan# 963

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

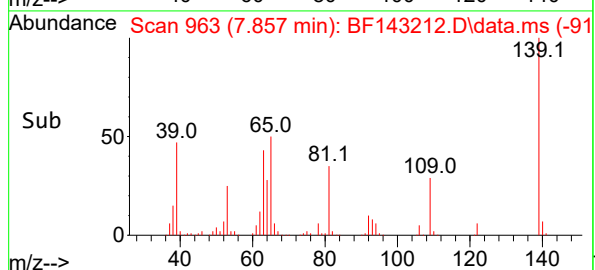
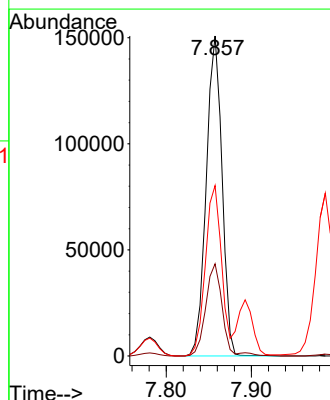
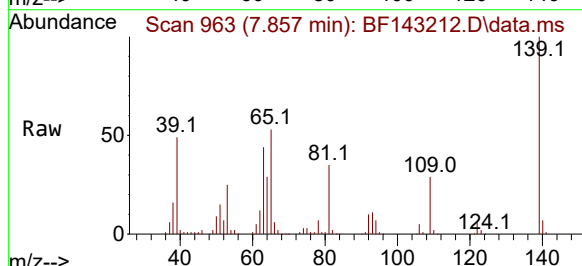
Tgt Ion:139 Resp: 193942

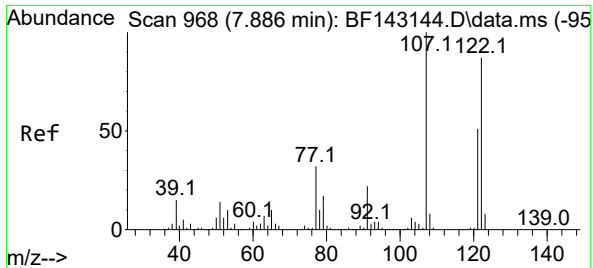
Ion Ratio Lower Upper

139 100

109 28.8 23.6 35.4

65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 41.592 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:122 Resp: 34219

Ion Ratio Lower Upper

122 100

107 116.1 91.8 137.6

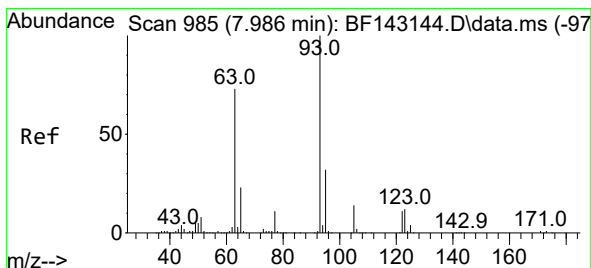
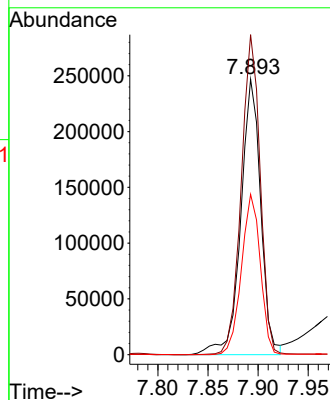
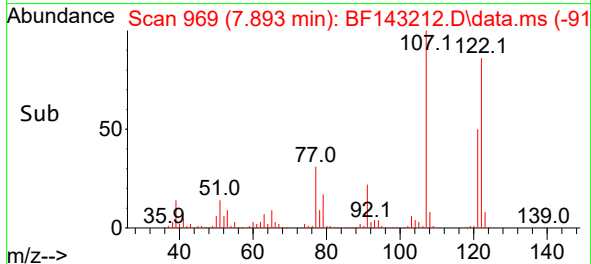
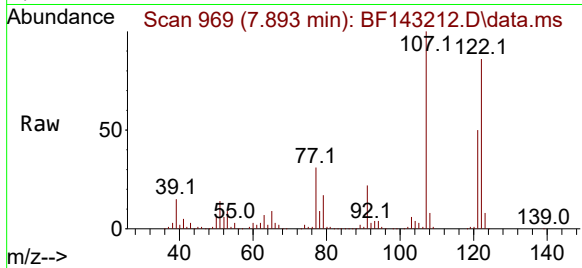
121 58.2 46.3 69.5

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#28

bis(2-Chloroethoxy)methane

Concen: 41.668 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

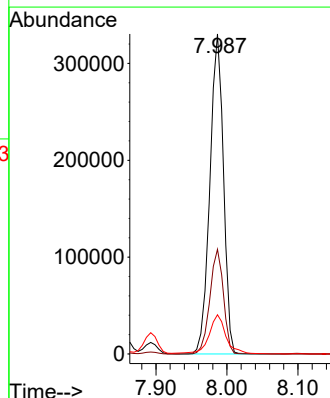
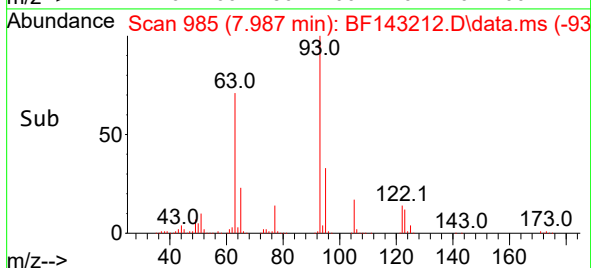
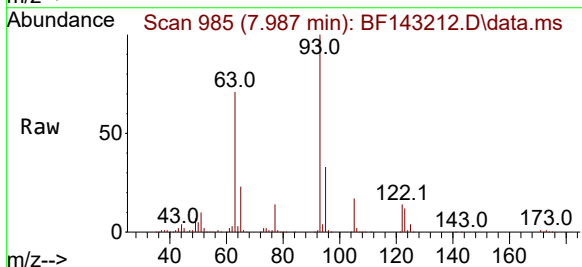
Tgt Ion: 93 Resp: 439929

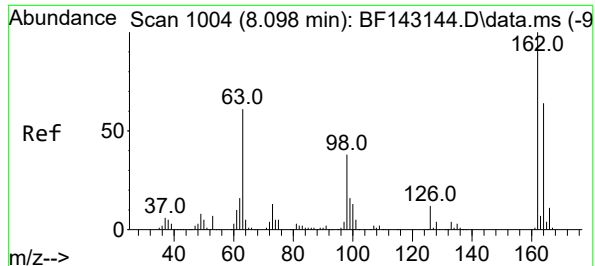
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.3 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 42.636 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:162 Resp: 295824

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

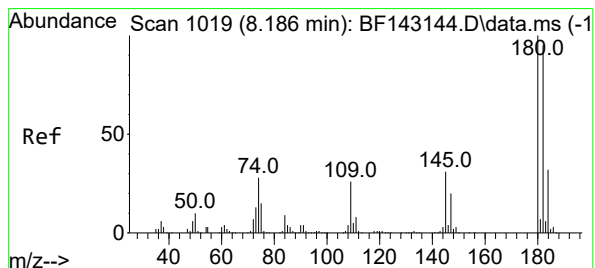
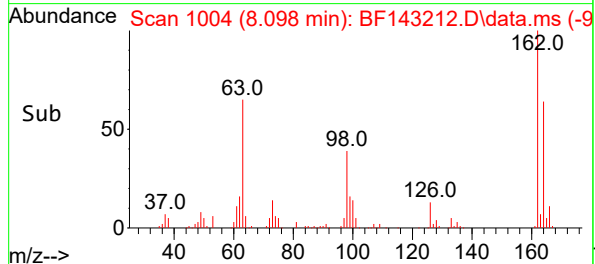
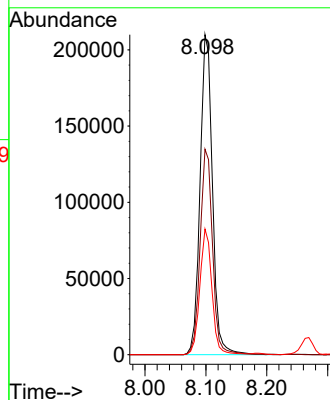
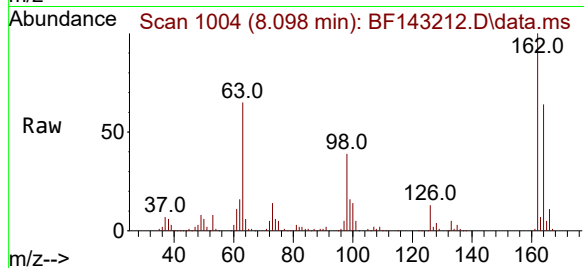
98 39.2 17.9 57.9

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#30

1,2,4-Trichlorobenzene

Concen: 42.525 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

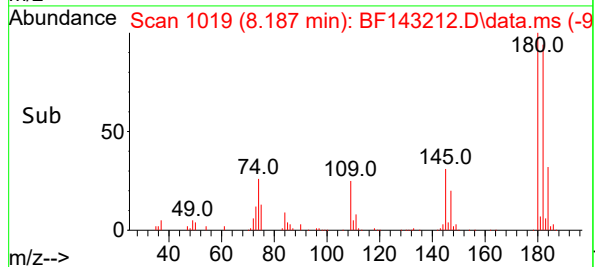
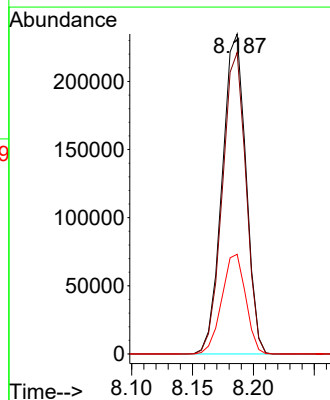
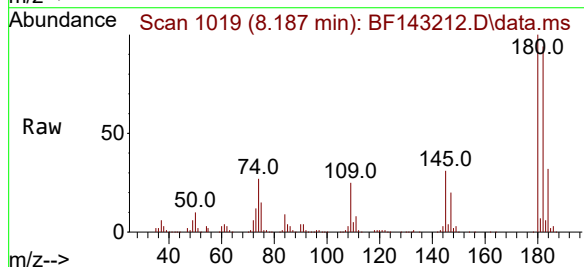
Tgt Ion:180 Resp: 318755

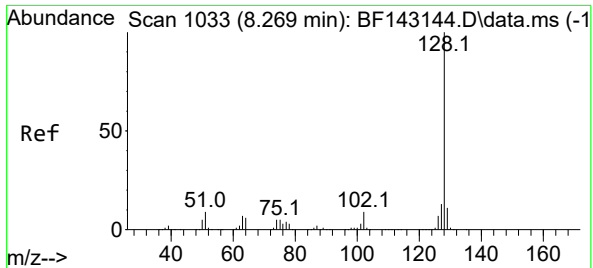
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

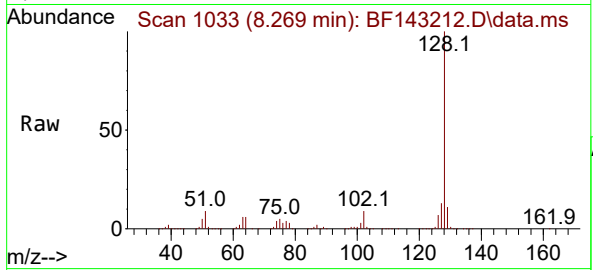
145 31.2 25.0 37.6





#31
Naphthalene
Concen: 41.625 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

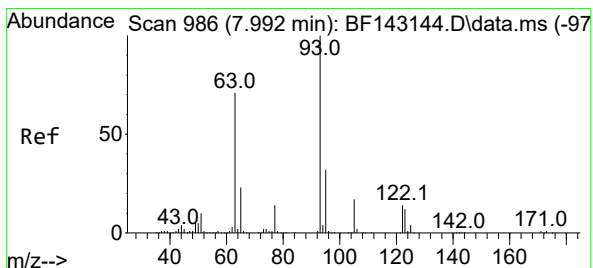
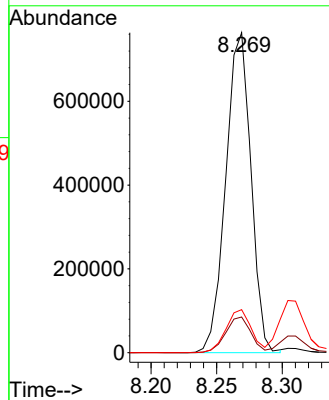
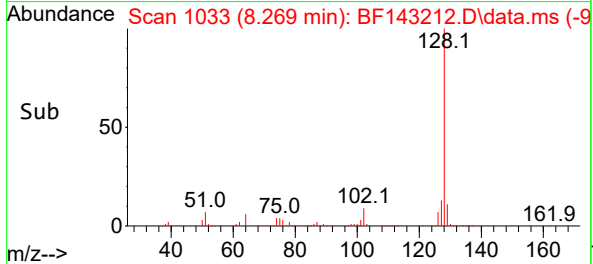
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:128 Resp: 1019308
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0

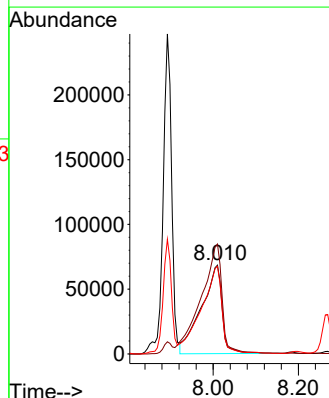
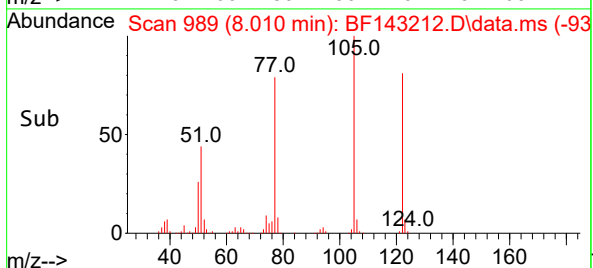
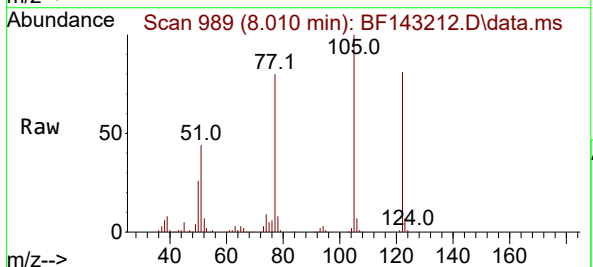
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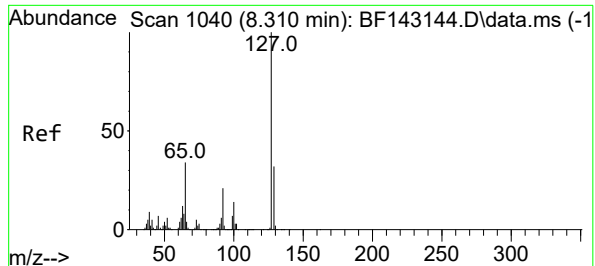
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#32
Benzoic acid
Concen: 49.730 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:122 Resp: 231444
Ion Ratio Lower Upper
122 100
105 123.9 104.8 144.8
77 98.7 77.6 117.6





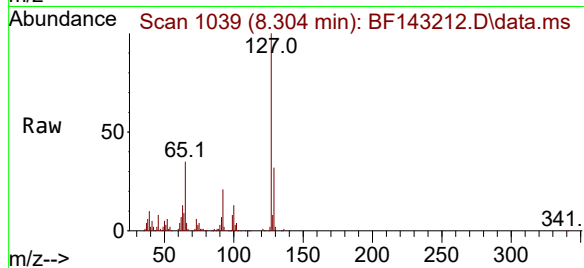
#33
4-Chloroaniline
Concen: 18.095 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



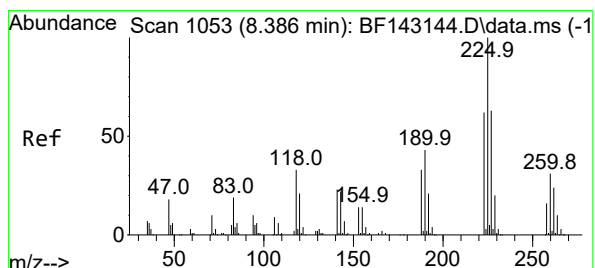
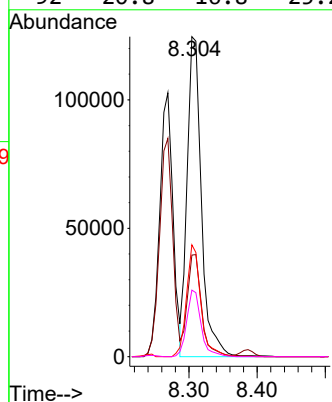
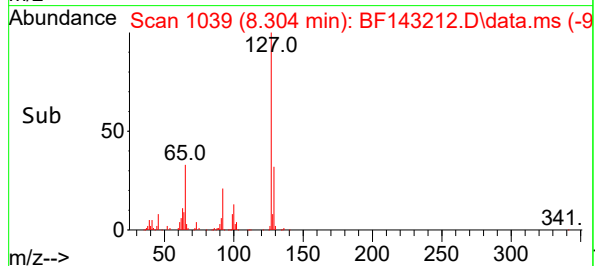
Tgt Ion:127 Resp: 180929
Ion Ratio Lower Upper
127 100
129 31.8 26.0 39.0
65 34.9 27.4 41.2
92 20.8 16.8 25.2

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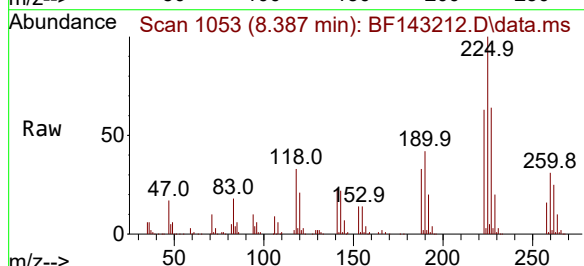
APPROVED

Reviewed By :Rahul Chavli 07/24/2025

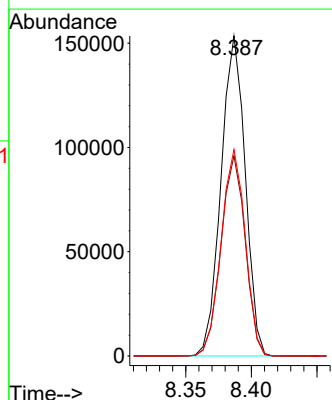
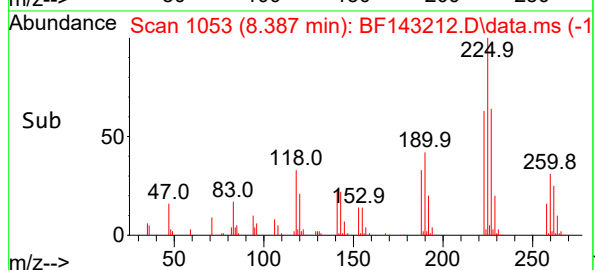
Supervised By :Jagrut Upadhyay 07/24/2025

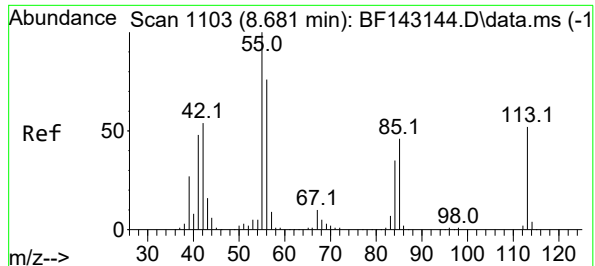


#34
Hexachlorobutadiene
Concen: 42.990 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:225 Resp: 196852
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.6
227 64.5 50.2 75.4





#35

Caprolactam

Concen: 49.186 ng m

RT: 8.675 min Scan# 1103

Delta R.T. -0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:113 Resp: 103120

Ion Ratio Lower Upper

113 100

55 197.0 174.0 214.0

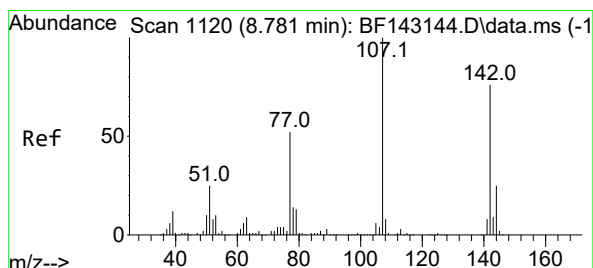
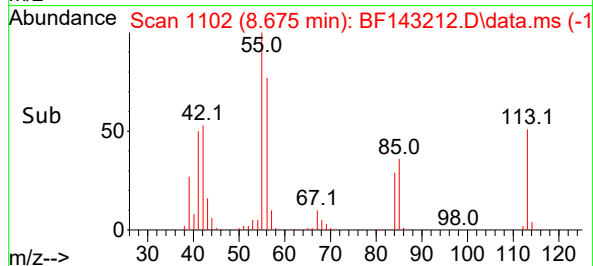
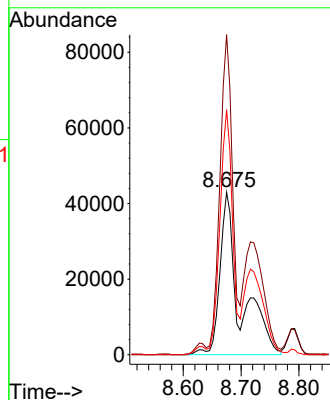
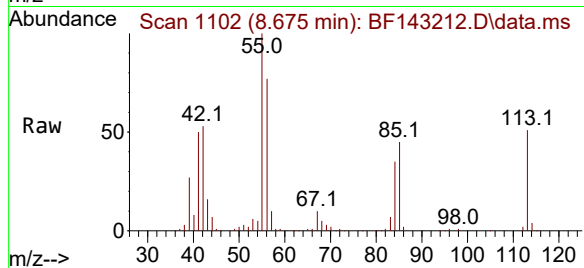
56 150.8 126.6 166.6

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#36

4-Chloro-3-methylphenol

Concen: 44.529 ng

RT: 8.793 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

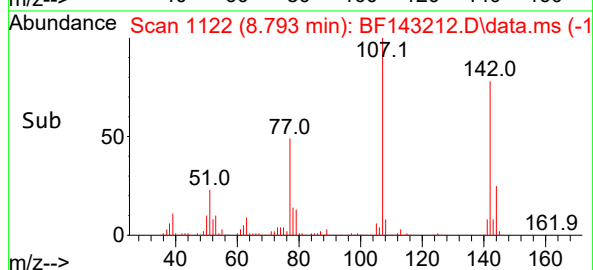
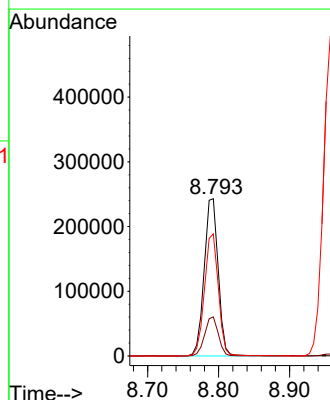
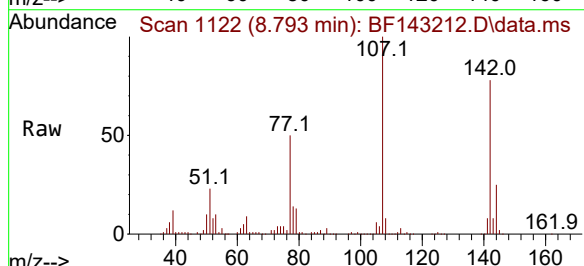
Tgt Ion:107 Resp: 335805

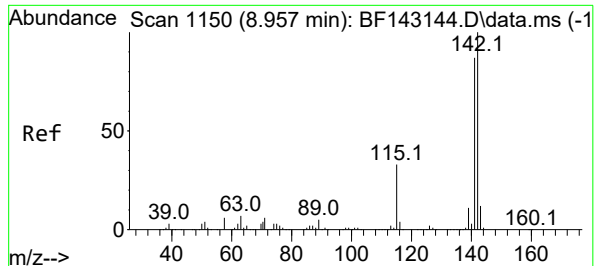
Ion Ratio Lower Upper

107 100

144 24.8 19.8 29.6

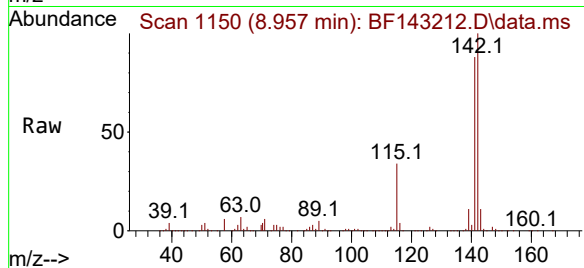
142 77.7 60.6 90.8





#37
2-Methylnaphthalene
Concen: 42.782 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

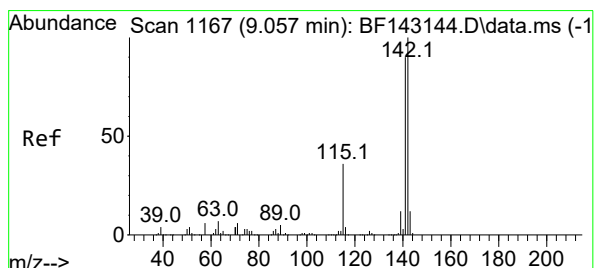
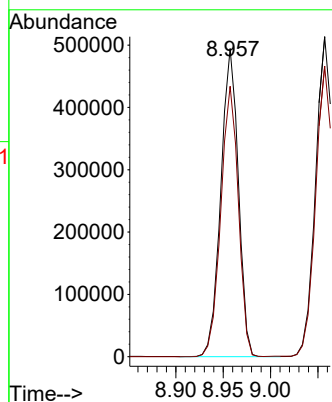
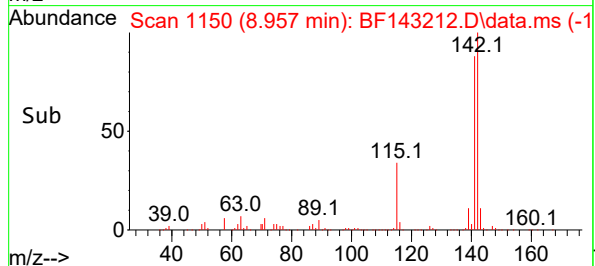
Instrument :
BNA_F
ClientSampleId :
PB168929BS



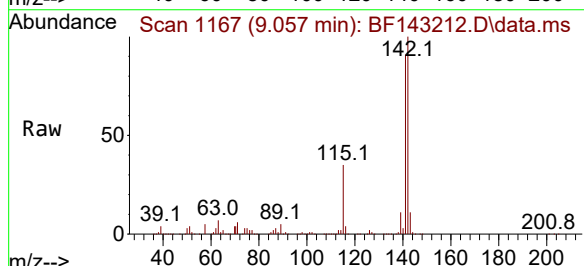
Tgt Ion:142 Resp: 637504
Ion Ratio Lower Upper
142 100
141 87.8 69.9 104.9

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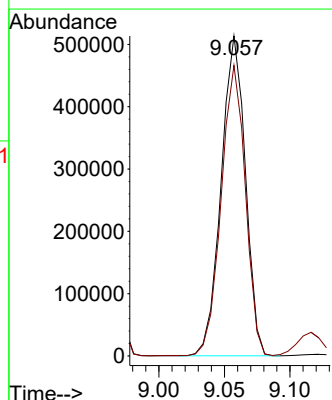
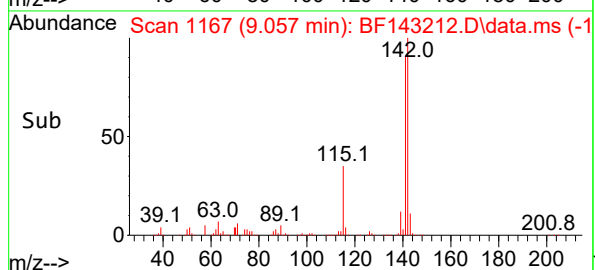
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

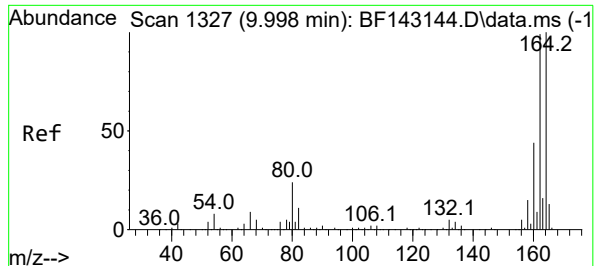


#38
1-Methylnaphthalene
Concen: 42.971 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:142 Resp: 659370
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:164 Resp: 26904

Ion Ratio Lower Upper

164 100

162 98.1 79.0 118.6

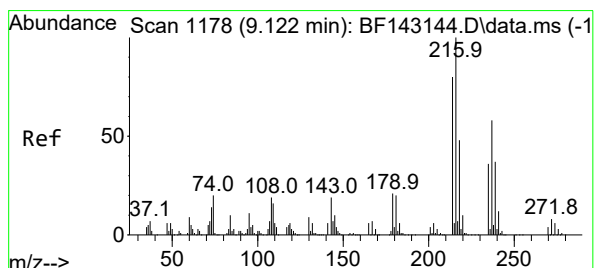
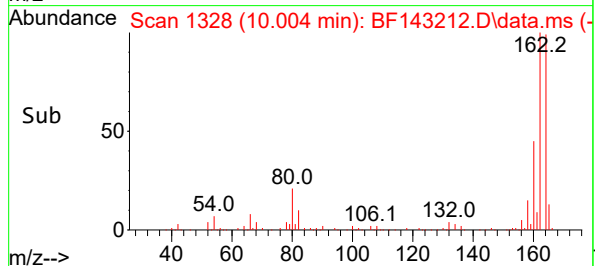
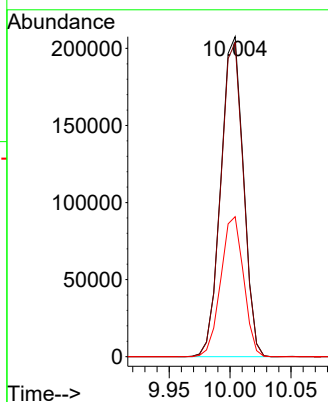
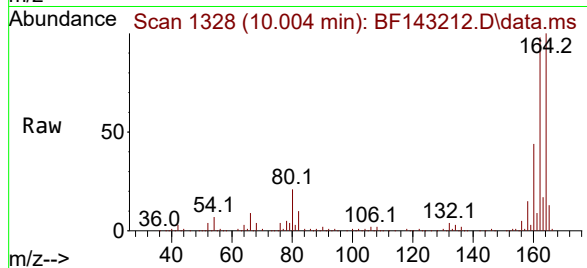
160 43.7 35.1 52.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/24/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.025 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion:216 Resp: 310898

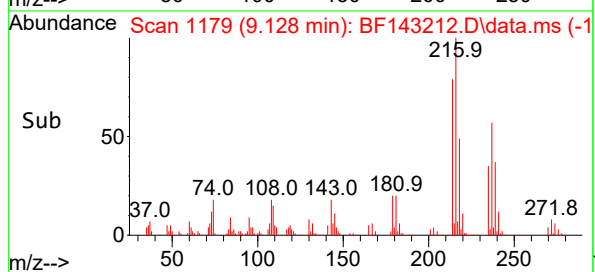
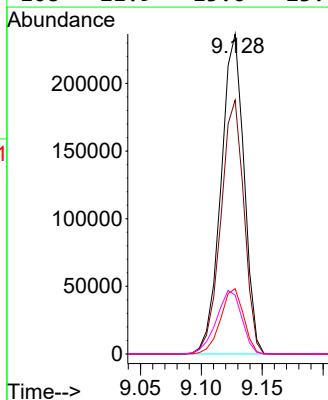
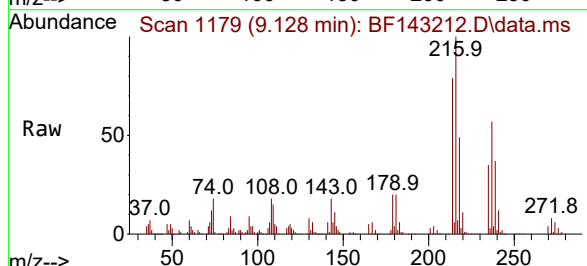
Ion Ratio Lower Upper

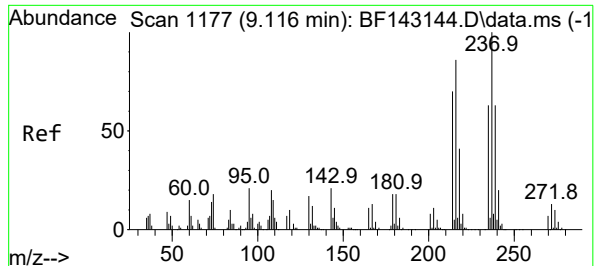
216 100

214 79.6 63.8 95.8

179 20.5 16.4 24.6

108 21.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 85.897 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:237 Resp: 43413

Ion Ratio Lower Upper

237 100

235 63.5 43.0 83.0

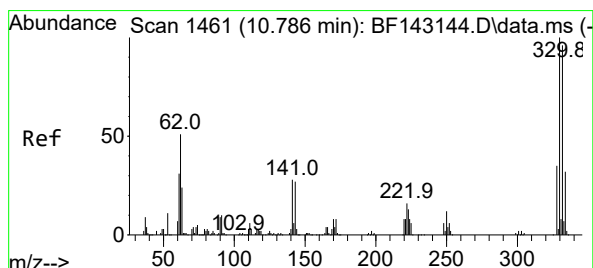
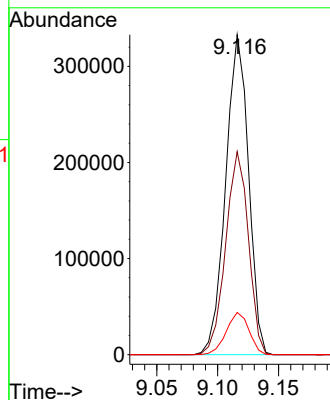
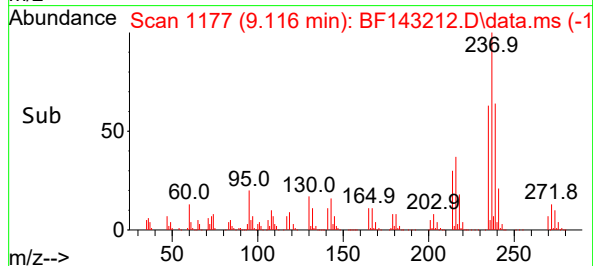
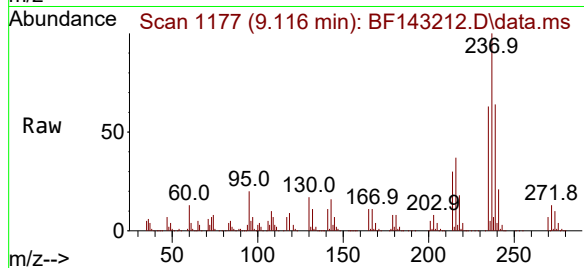
272 13.2 0.0 33.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#42

2,4,6-Tribromophenol

Concen: 117.949 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

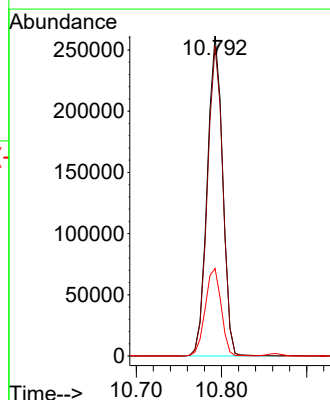
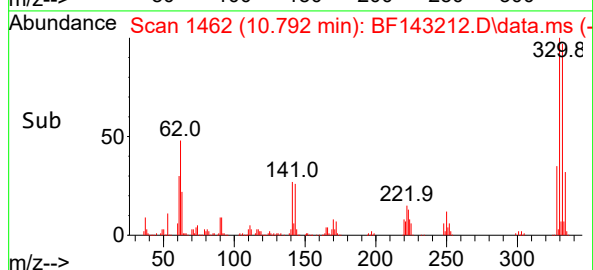
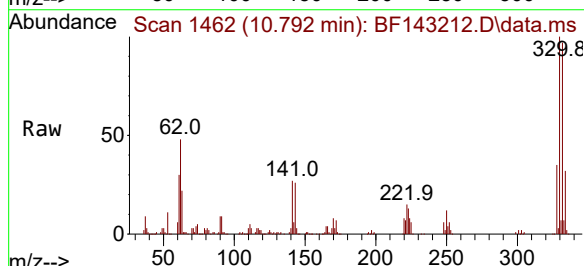
Tgt Ion:330 Resp: 327822

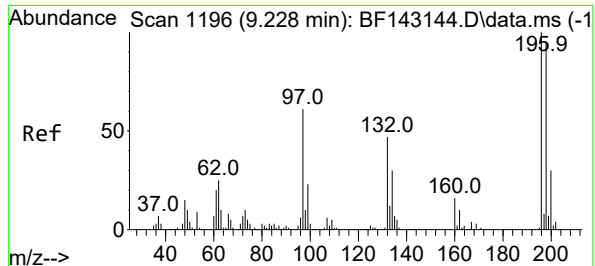
Ion Ratio Lower Upper

330 100

332 96.8 76.7 115.1

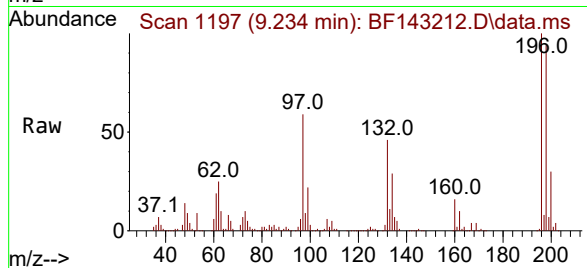
141 28.3 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 41.386 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

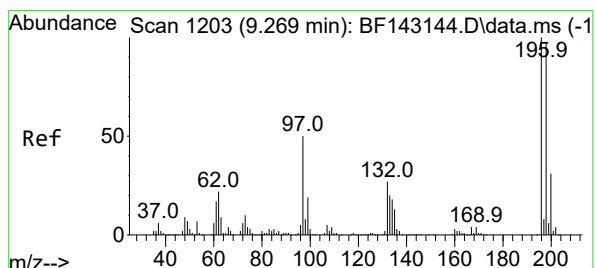
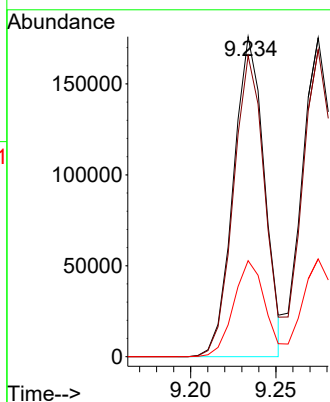
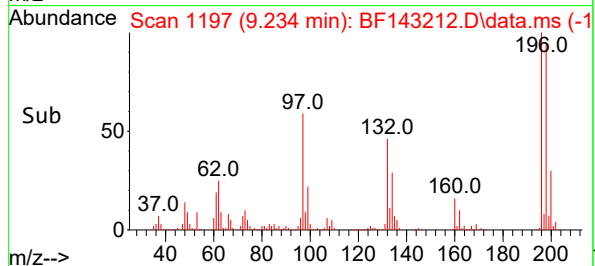
Instrument :
BNA_F
ClientSampleId :
PB168929BS



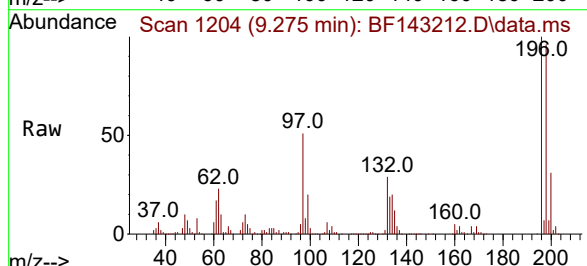
Tgt Ion:196 Resp: 22248
Ion Ratio Lower Upper
196 100
198 94.1 76.2 114.2
200 30.0 23.9 35.9

Manual Integrations
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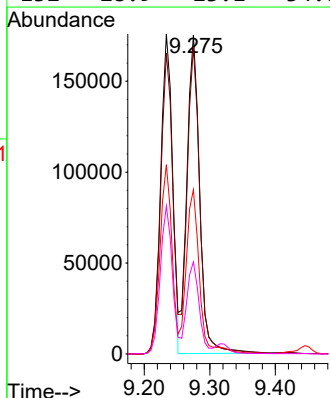
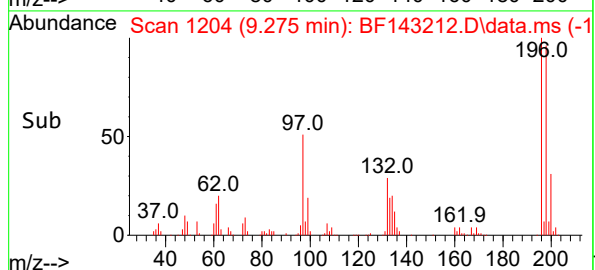
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

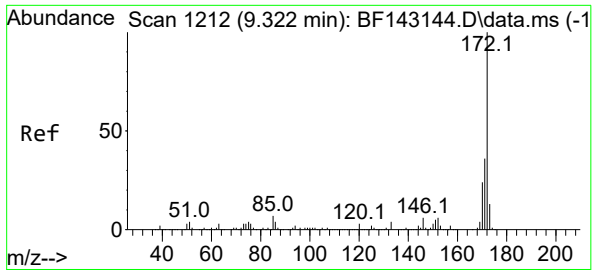


#44
2,4,5-Trichlorophenol
Concen: 43.991 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



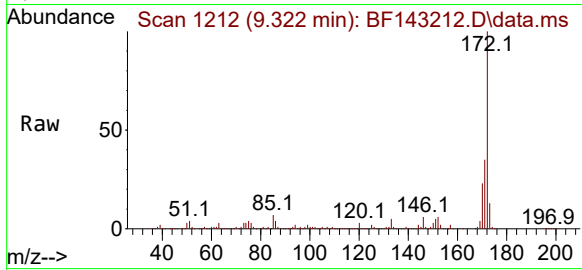
Tgt Ion:196 Resp: 236559
Ion Ratio Lower Upper
196 100
198 96.3 77.3 115.9
97 51.5 40.3 60.5
132 28.9 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 71.040 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

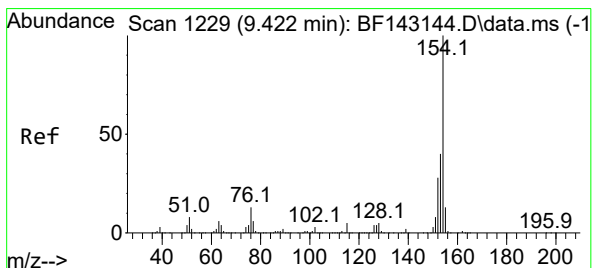
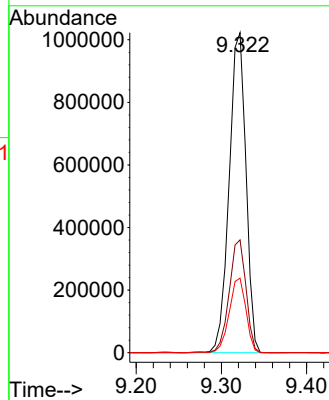
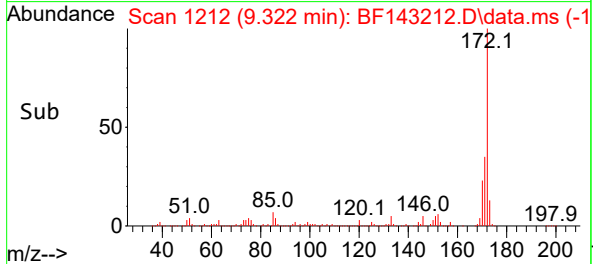
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:172 Resp: 1397519
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.3 18.8 28.2

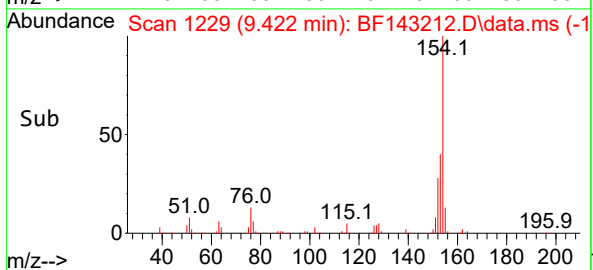
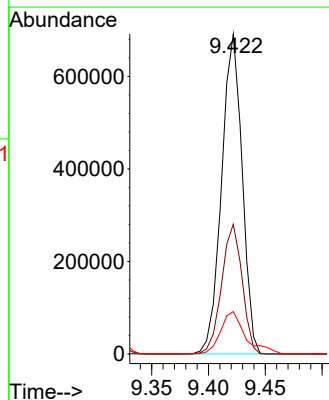
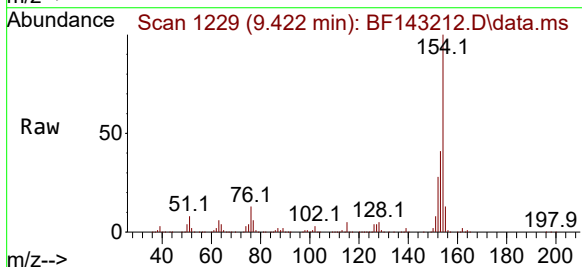
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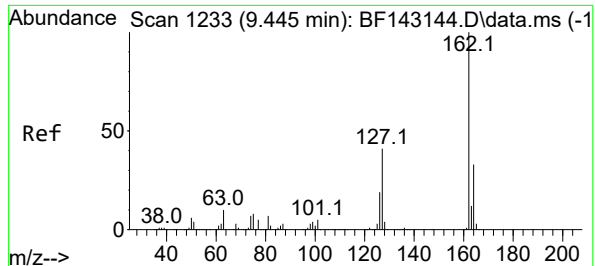
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#46
1,1'-Biphenyl
Concen: 41.488 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:154 Resp: 870859
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.468 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:162 Resp: 64405

Ion Ratio Lower Upper

162 100

127 41.3 33.4 50.2

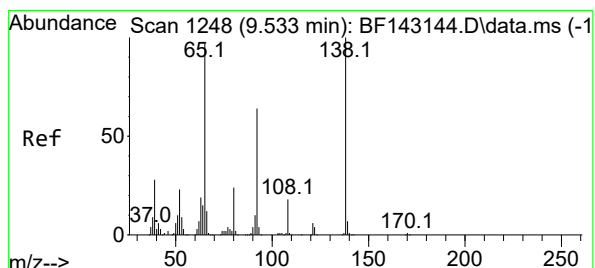
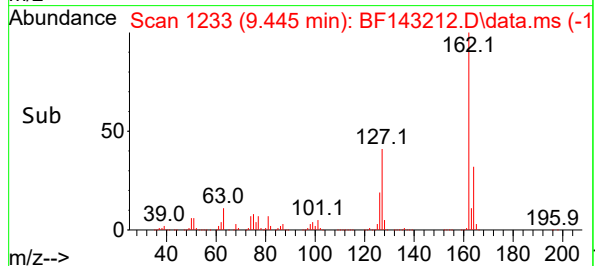
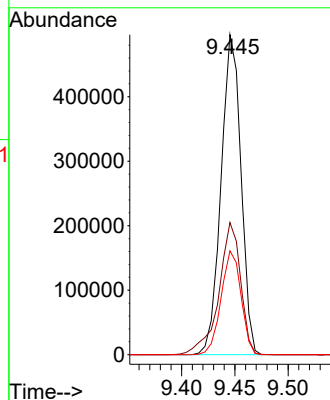
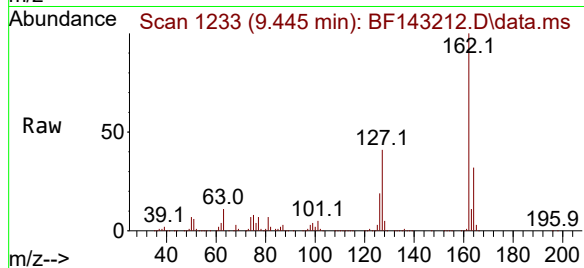
164 32.4 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#48

2-Nitroaniline

Concen: 45.611 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

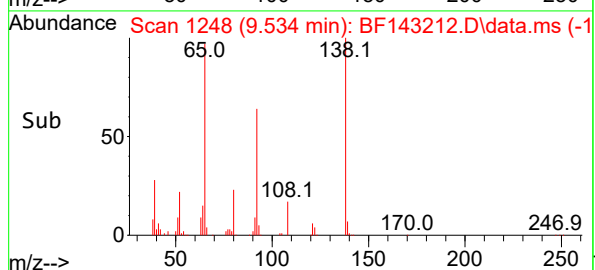
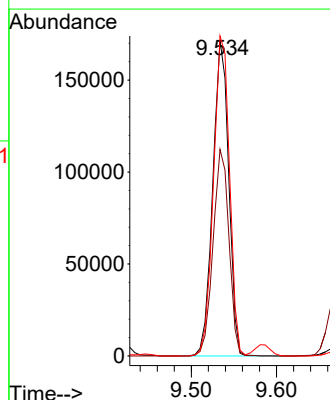
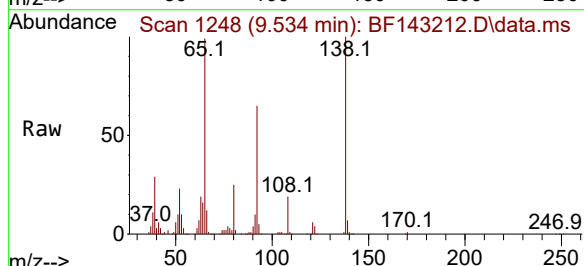
Tgt Ion: 65 Resp: 222155

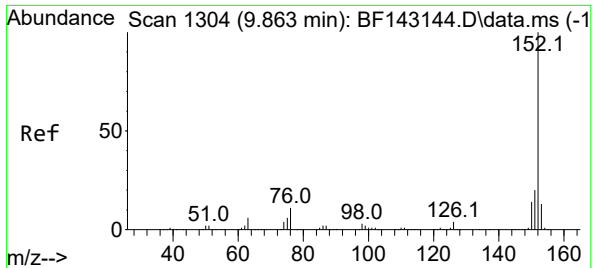
Ion Ratio Lower Upper

65 100

92 65.5 52.4 78.6

138 101.4 82.3 123.5





#49

Acenaphthylene

Concen: 42.174 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143212.D

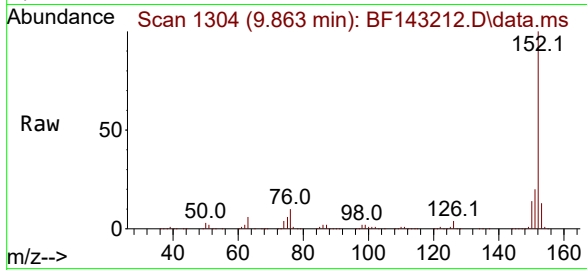
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



Tgt Ion:152 Resp: 1097730

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

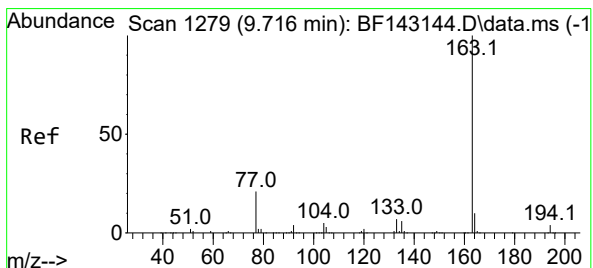
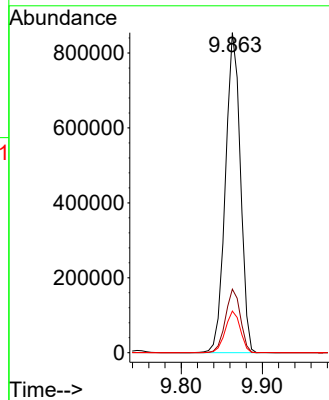
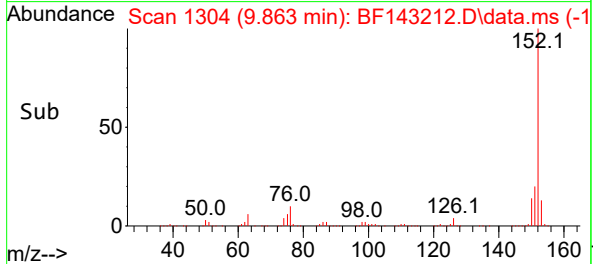
153 13.0 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#50

Dimethylphthalate

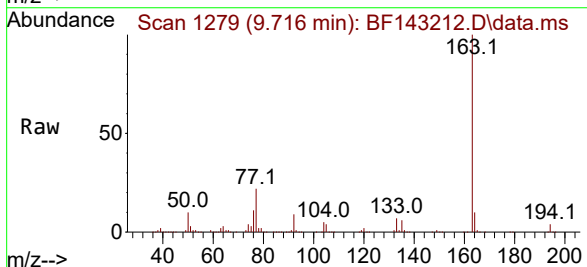
Concen: 44.055 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31



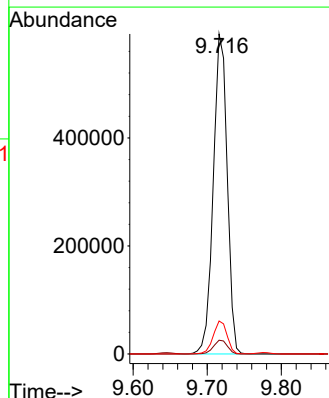
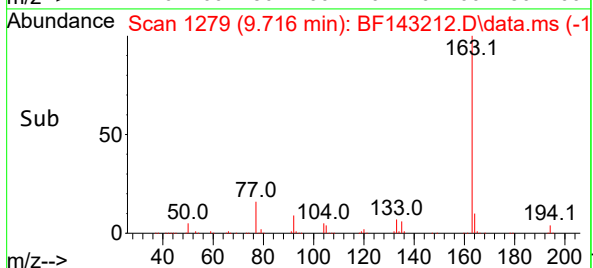
Tgt Ion:163 Resp: 772585

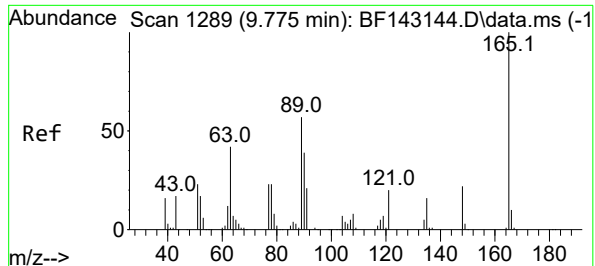
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

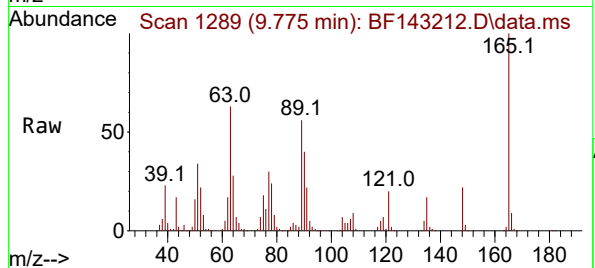
164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 47.813 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

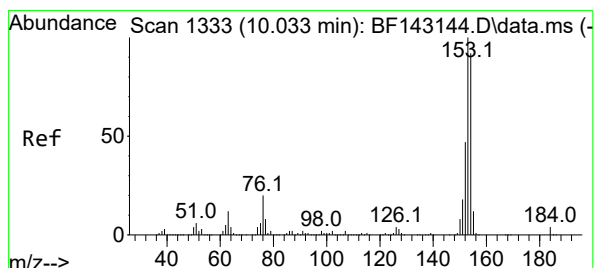
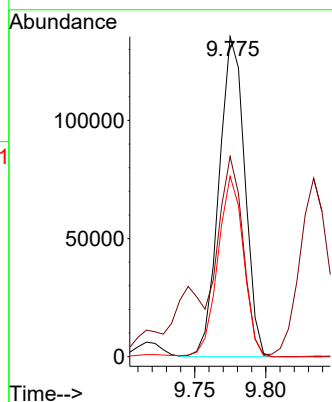
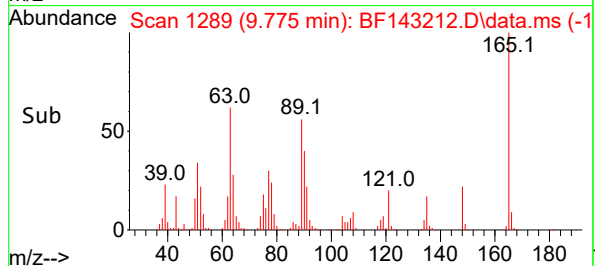
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:165 Resp: 170577
Ion Ratio Lower Upper
165 100
63 62.6 49.4 74.2
89 56.4 46.2 69.2

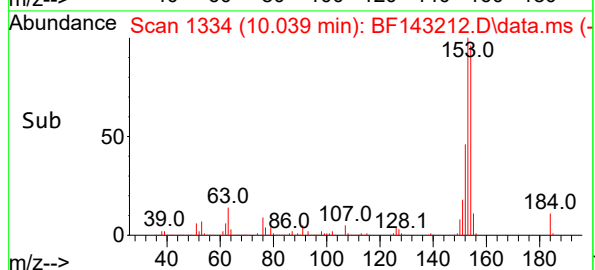
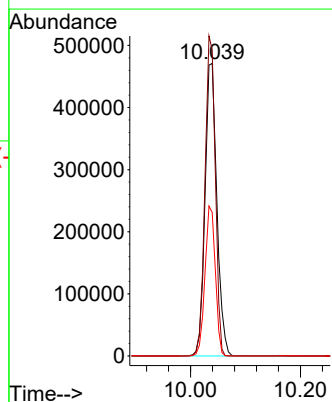
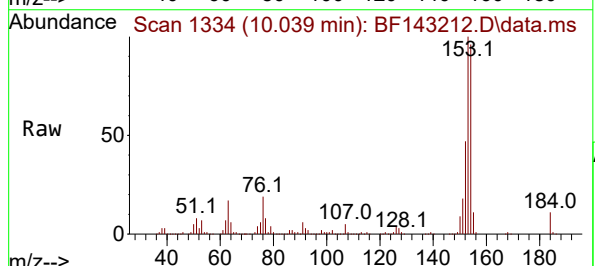
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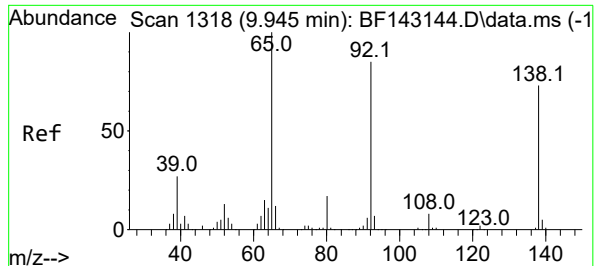
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#52
Acenaphthene
Concen: 45.734 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:154 Resp: 703577
Ion Ratio Lower Upper
154 100
153 104.7 86.6 129.8
152 49.1 40.4 60.6





#53

3-Nitroaniline

Concen: 30.278 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:138 Resp: 126340

Ion Ratio Lower Upper

138 100

108 11.1 9.0 13.6

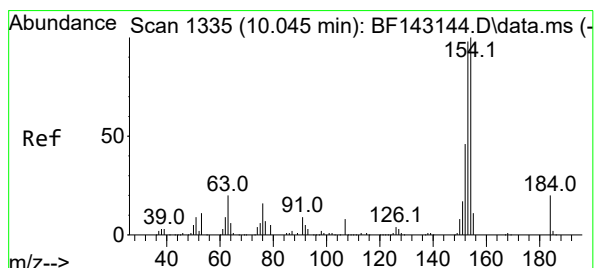
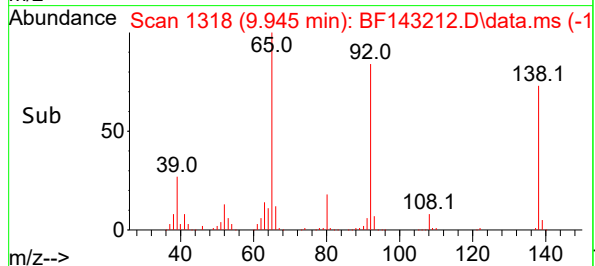
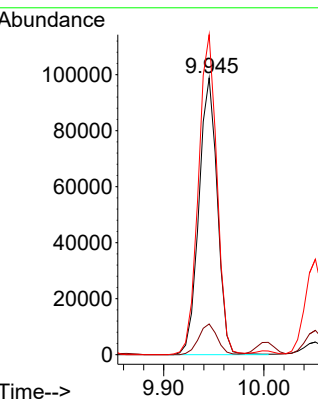
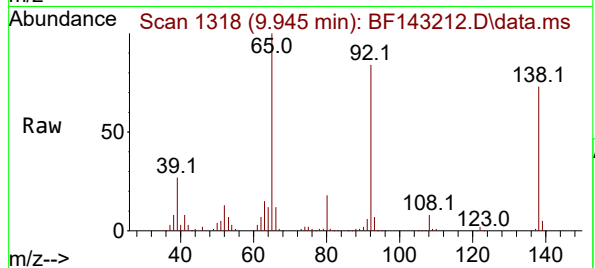
92 115.6 93.0 139.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#54

2,4-Dinitrophenol

Concen: 106.394 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

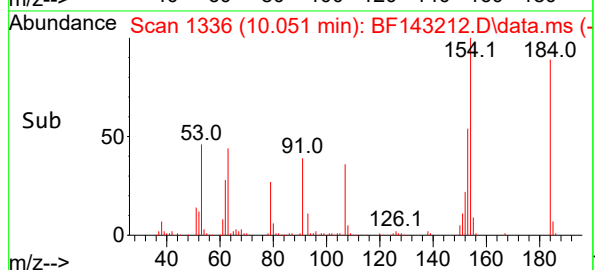
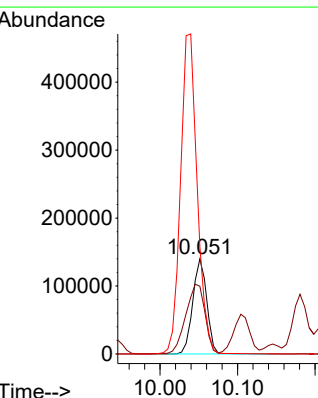
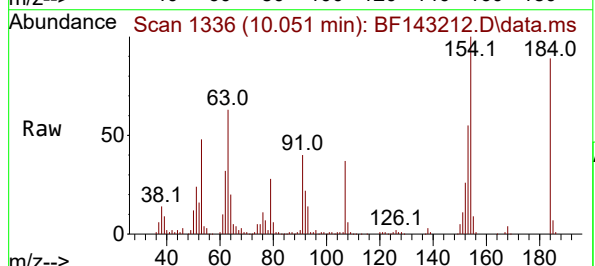
Tgt Ion:184 Resp: 175905

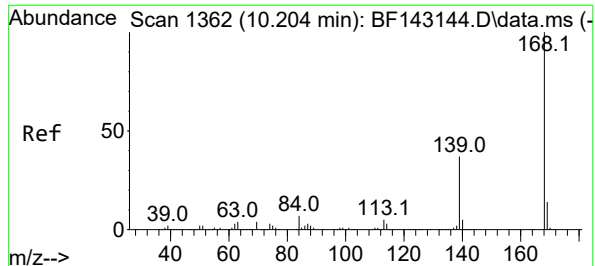
Ion Ratio Lower Upper

184 100

63 71.2 81.8 122.6#

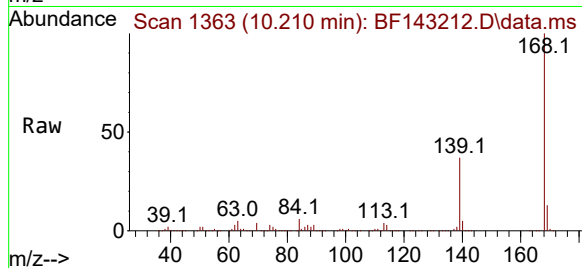
154 112.9 412.2 618.4#





#55
Dibenzenofuran
Concen: 41.458 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

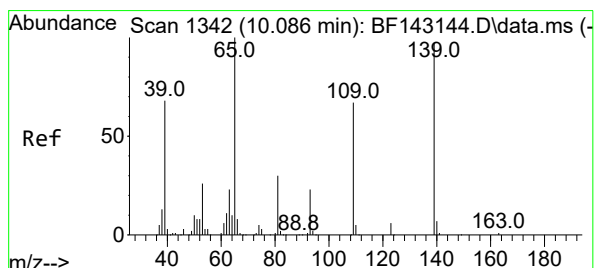
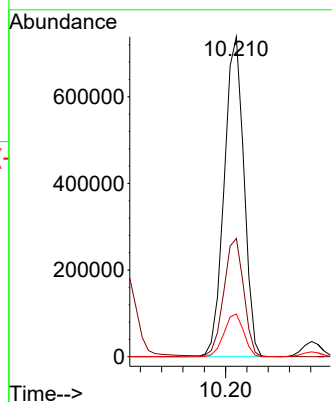
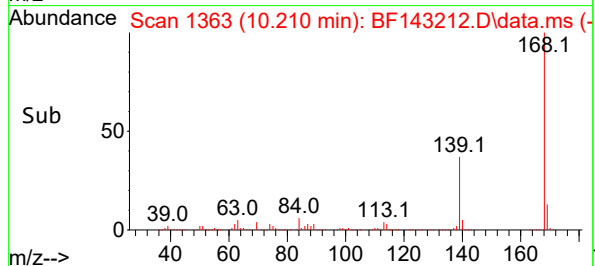
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:168 Resp: 946920
Ion Ratio Lower Upper
168 100
139 37.0 29.5 44.3
169 13.4 10.9 16.3

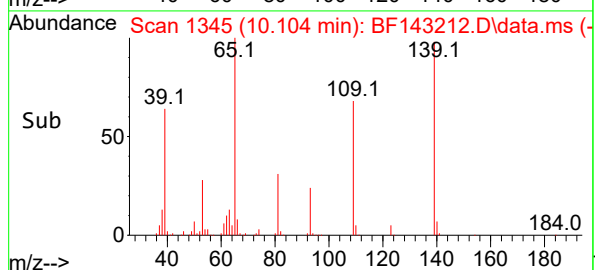
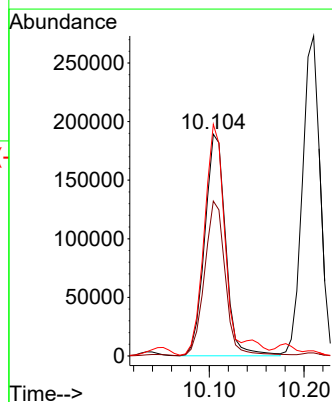
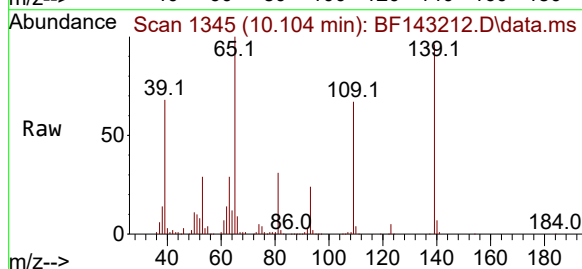
Manual Integrations
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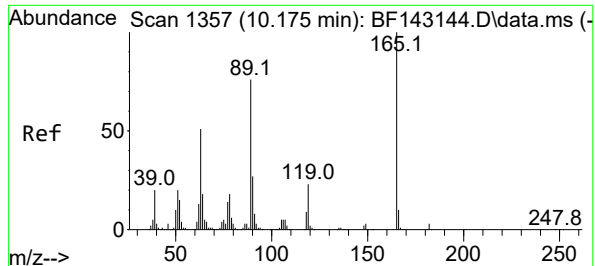
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#56
4-Nitrophenol
Concen: 92.622 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

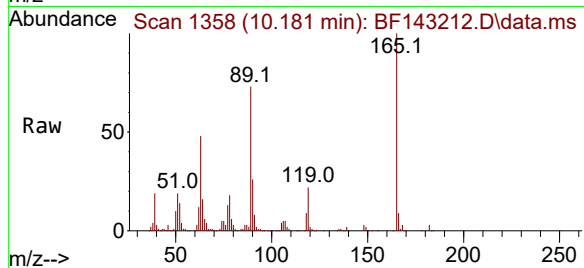
Tgt Ion:139 Resp: 288611
Ion Ratio Lower Upper
139 100
109 69.8 48.5 88.5
65 104.5 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 51.396 ng
RT: 10.181 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

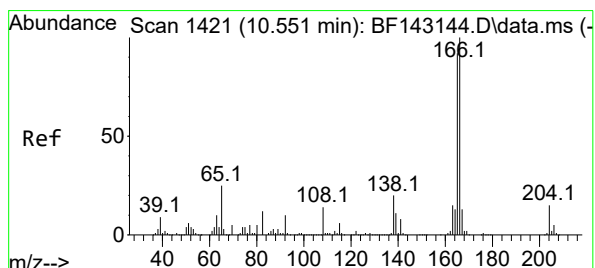
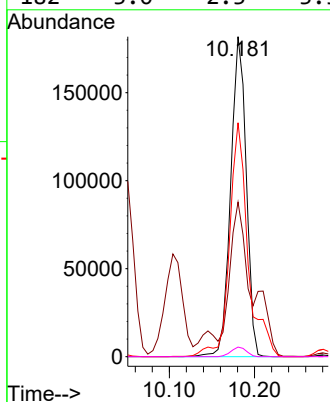
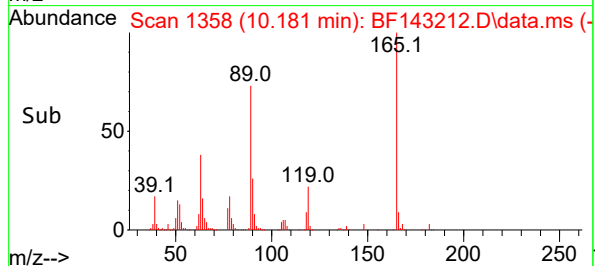
Instrument :
BNA_F
ClientSampleId :
PB168929BS



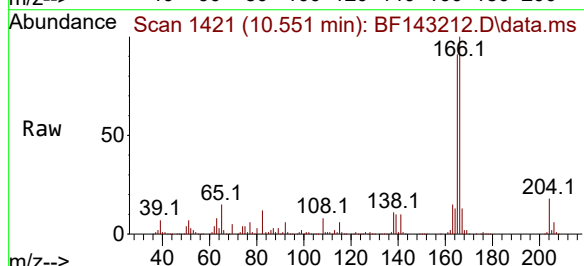
Tgt Ion:165 Resp: 230038
Ion Ratio Lower Upper
165 100
63 48.3 41.0 61.4
89 73.1 61.1 91.7
182 3.0 2.3 3.5

Manual Integrations
APPROVED

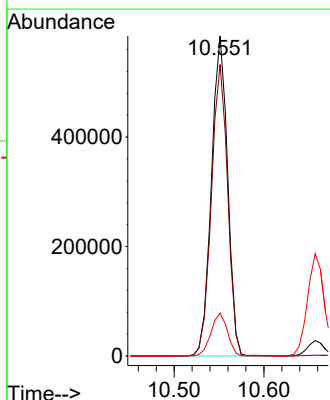
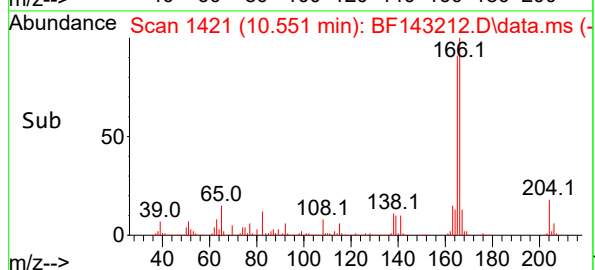
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

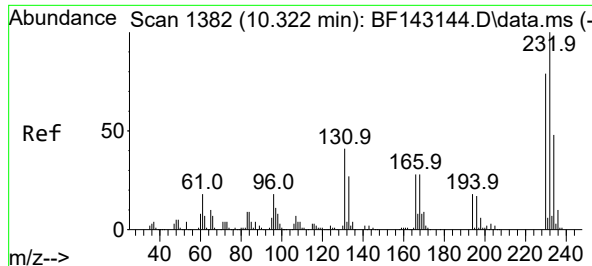


#58
Fluorene
Concen: 42.663 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



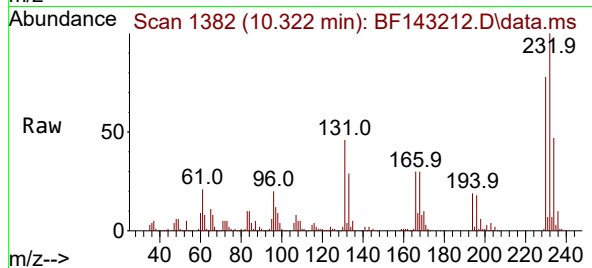
Tgt Ion:166 Resp: 731345
Ion Ratio Lower Upper
166 100
165 91.1 73.7 110.5
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.271 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

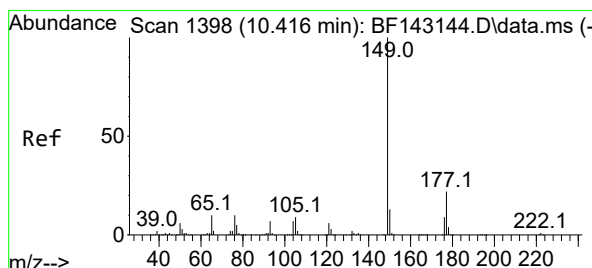
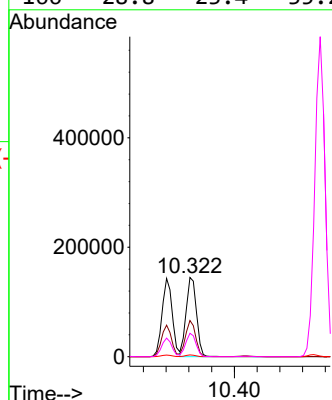
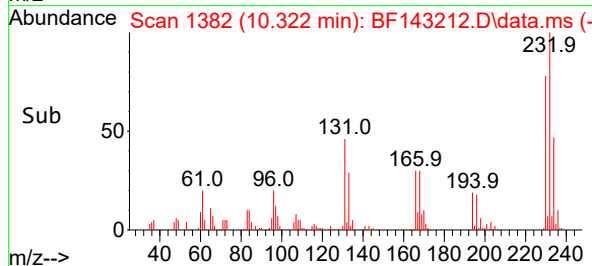
Instrument :
BNA_F
ClientSampleId :
PB168929BS



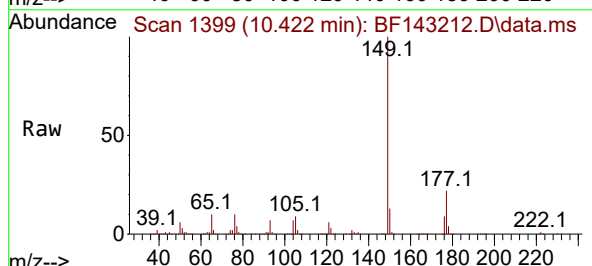
Tgt Ion:232 Resp: 183839
Ion Ratio Lower Upper
232 100
131 43.8 35.3 52.9
130 2.1 1.7 2.5
166 28.8 23.4 35.2

Manual Integrations
APPROVED

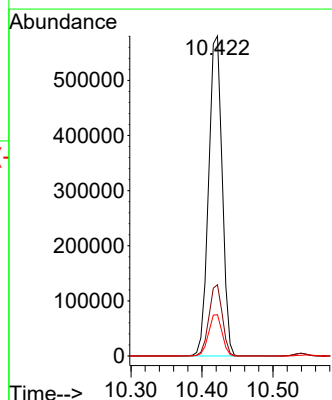
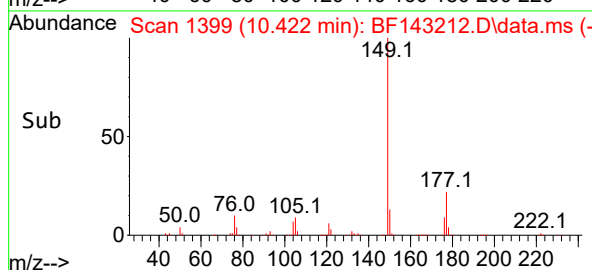
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

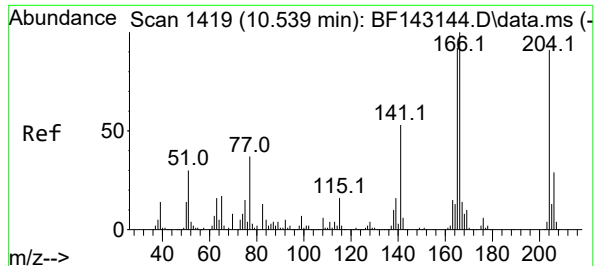


#60
Diethylphthalate
Concen: 44.467 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



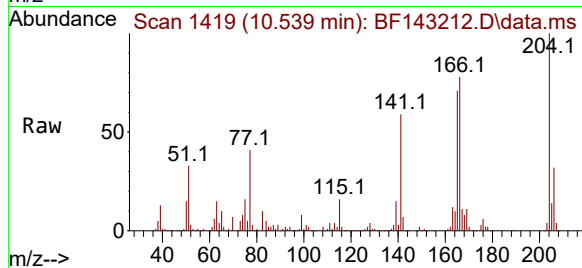
Tgt Ion:149 Resp: 770778
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 43.401 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

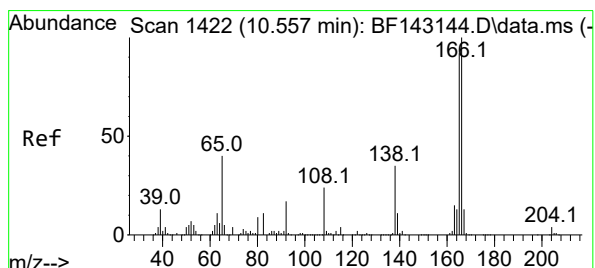
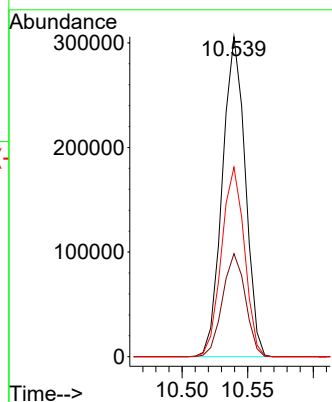
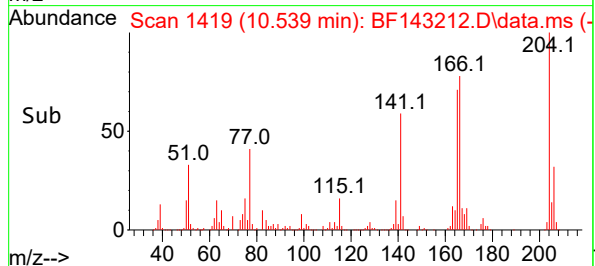
Instrument :
BNA_F
ClientSampleId :
PB168929BS



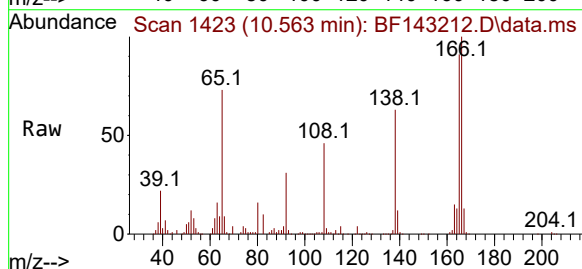
Tgt Ion:204 Resp: 370450
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.8
141 59.2 47.0 70.4

Manual Integrations
APPROVED

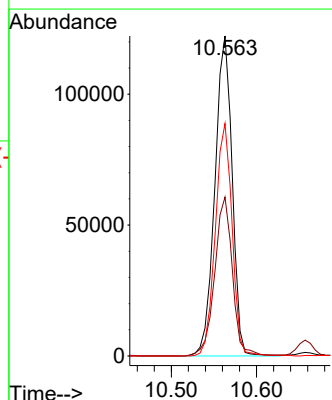
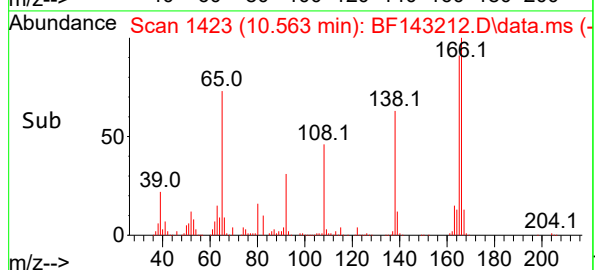
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

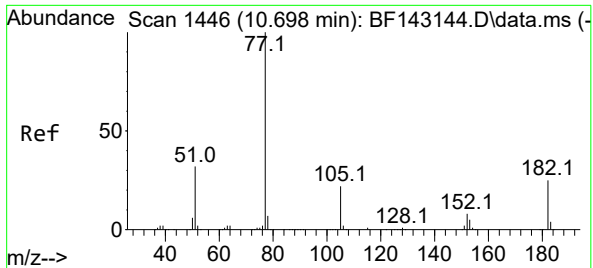


#62
4-Nitroaniline
Concen: 48.165 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



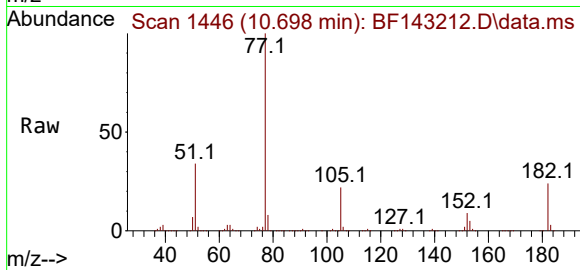
Tgt Ion:138 Resp: 172252
Ion Ratio Lower Upper
138 100
92 49.6 29.3 69.3
108 72.6 48.3 88.3





#63
Azobenzene
Concen: 42.462 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

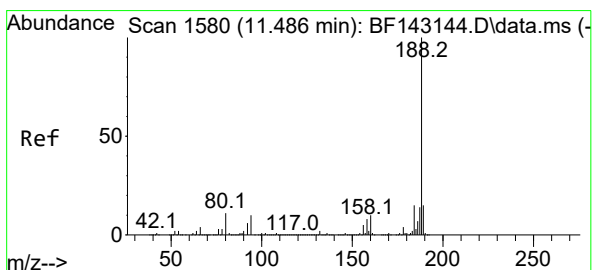
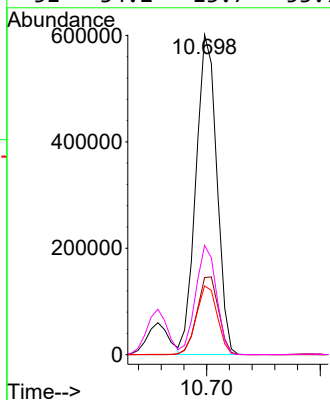
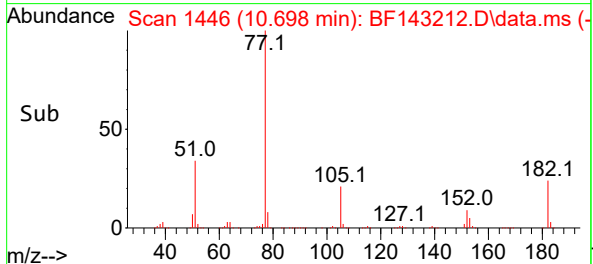
Instrument :
BNA_F
ClientSampleId :
PB168929BS



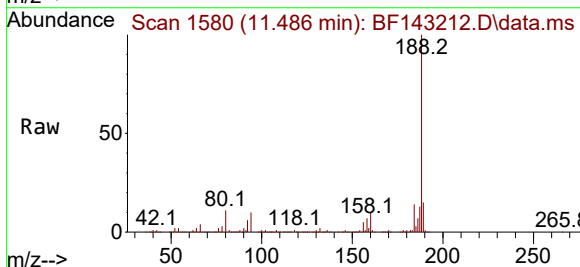
Tgt Ion: 77 Resp: 76709
Ion Ratio Lower Upper
77 100
182 24.1 4.6 44.6
105 21.5 1.4 41.4
51 34.2 13.7 53.7

Manual Integrations
APPROVED

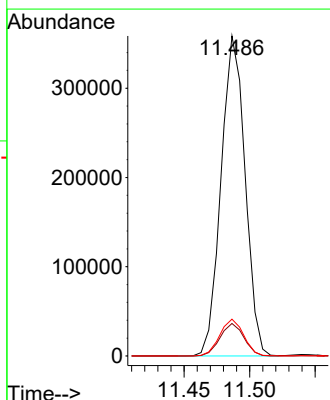
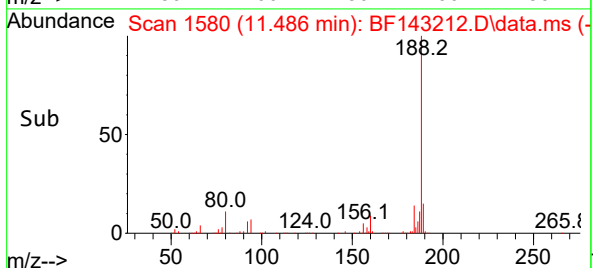
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

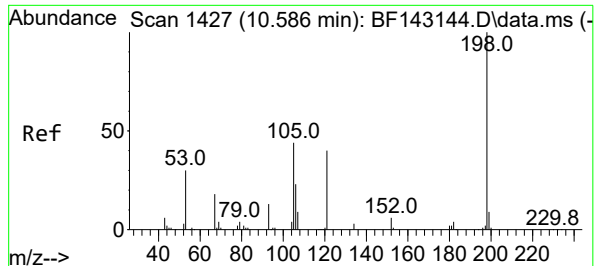


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



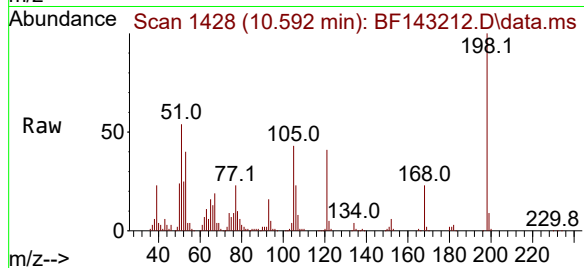
Tgt Ion:188 Resp: 457175
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.5 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 48.873 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

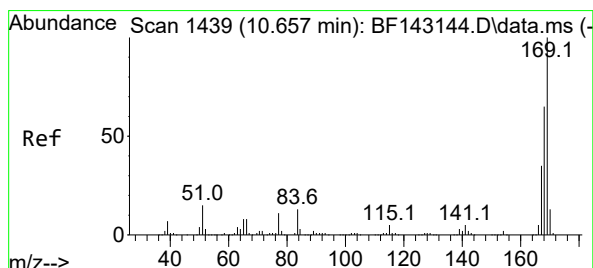
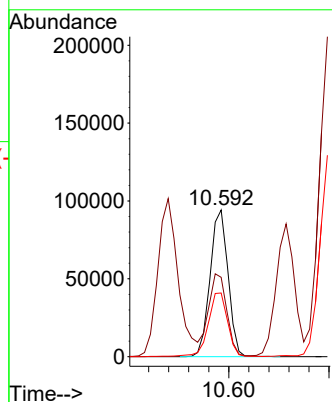
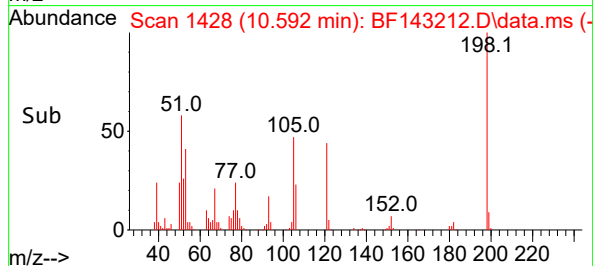
Instrument :
BNA_F
ClientSampleId :
PB168929BS



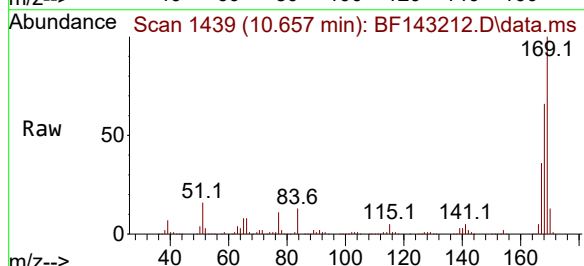
Tgt Ion:198 Resp: 117398
Ion Ratio Lower Upper
198 100
51 54.1 37.2 77.2
105 43.4 24.8 64.8

Manual Integrations
APPROVED

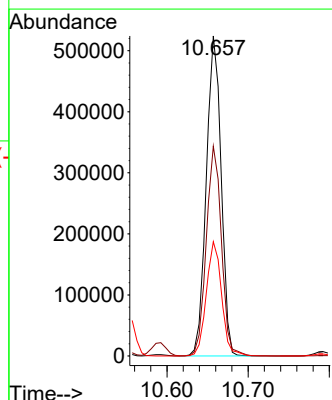
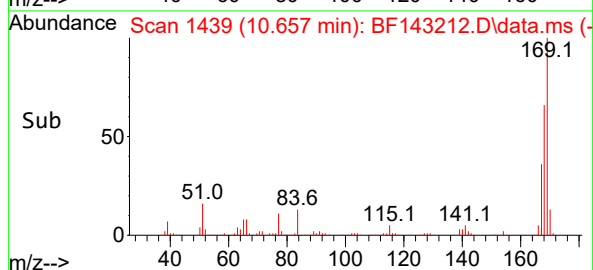
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

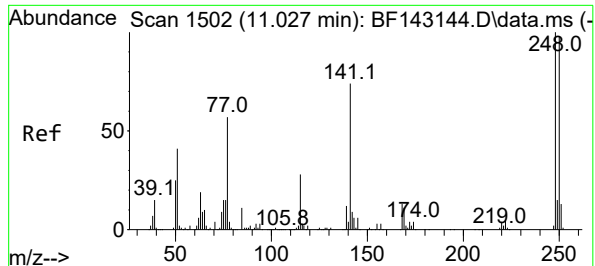


#66
n-Nitrosodiphenylamine
Concen: 41.243 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:169 Resp: 663950
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.7 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 42.093 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

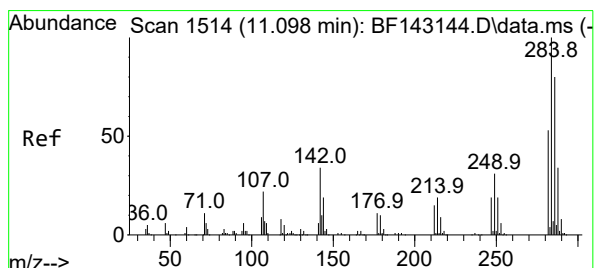
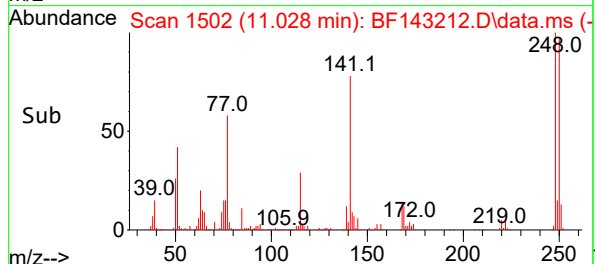
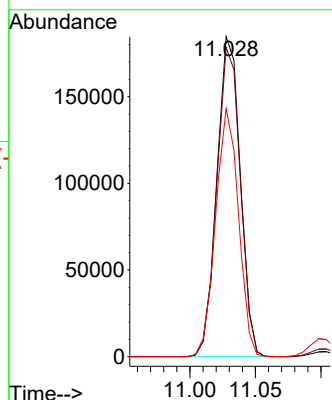
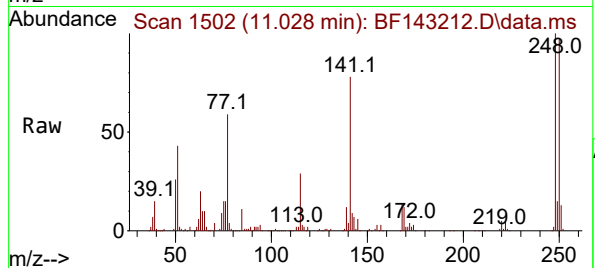
PB168929BS

Tgt Ion:248 Resp: 229335
Ion Ratio Lower Upper
248 100
250 96.7 78.3 117.5
141 77.5 59.2 88.8

Manual Integrations

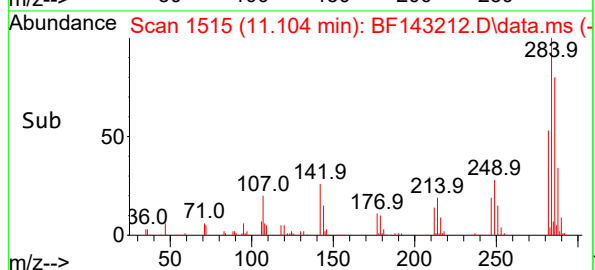
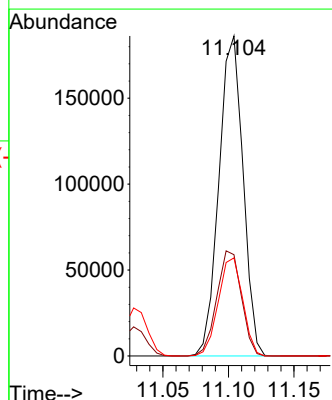
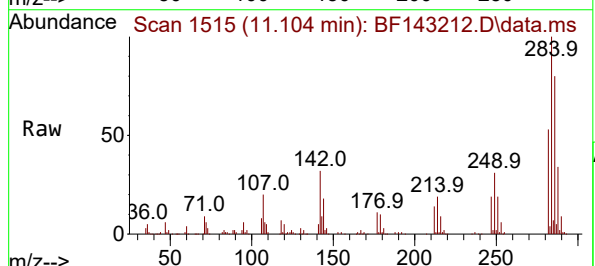
APPROVED

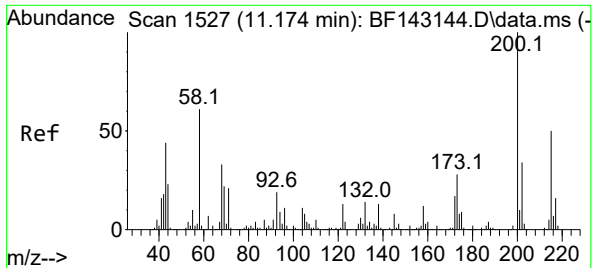
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#68
Hexachlorobenzene
Concen: 41.755 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

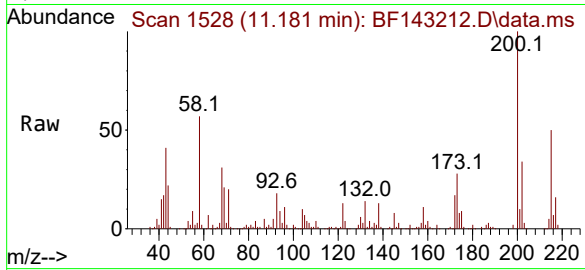
Tgt Ion:284 Resp: 237782
Ion Ratio Lower Upper
284 100
142 31.6 27.0 40.6
249 30.7 25.0 37.6





#69
Atrazine
Concen: 47.930 ng
RT: 11.181 min Scan# 1527
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

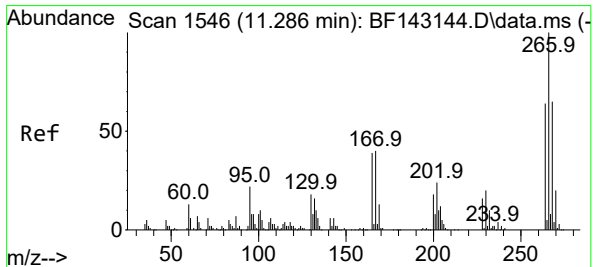
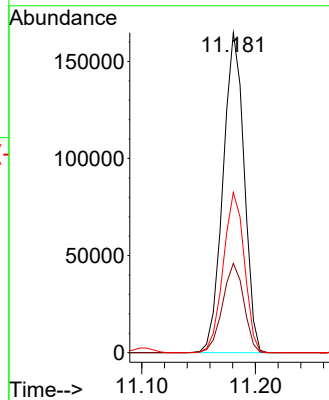
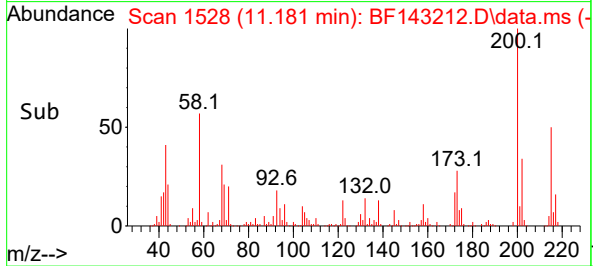
Instrument :
BNA_F
ClientSampleId :
PB168929BS



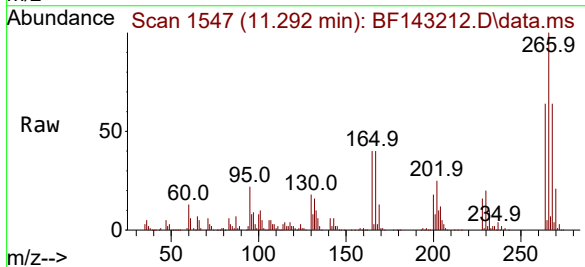
Tgt Ion:200 Resp: 212724
Ion Ratio Lower Upper
200 100
173 27.9 7.9 47.9
215 50.1 30.1 70.1

Manual Integrations
APPROVED

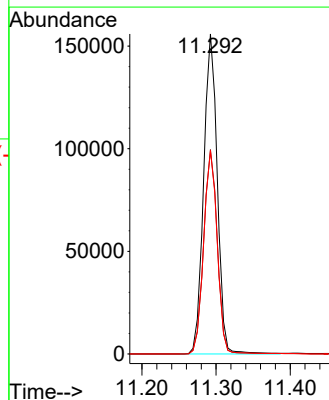
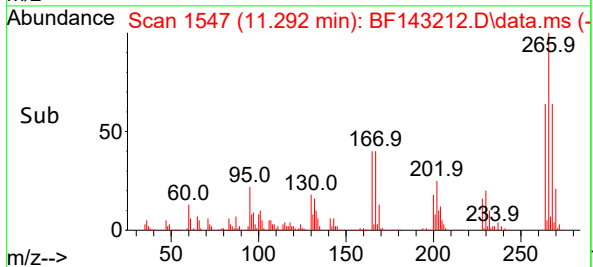
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

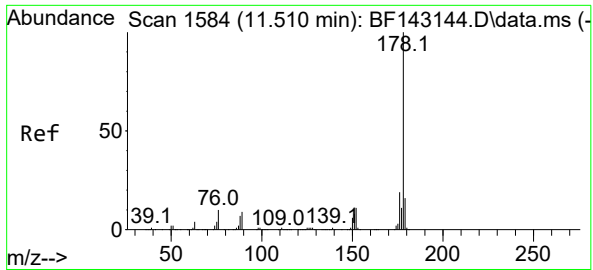


#70
Pentachlorophenol
Concen: 59.697 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



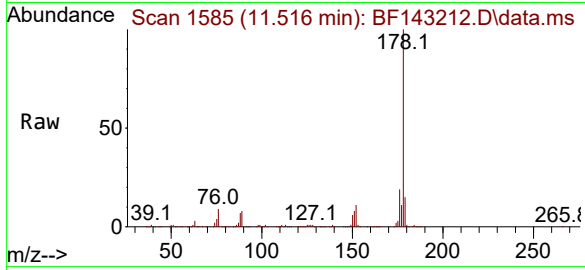
Tgt Ion:266 Resp: 199919
Ion Ratio Lower Upper
266 100
268 63.9 51.9 77.9
264 63.5 51.0 76.6





#71
Phenanthrene
Concen: 41.750 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

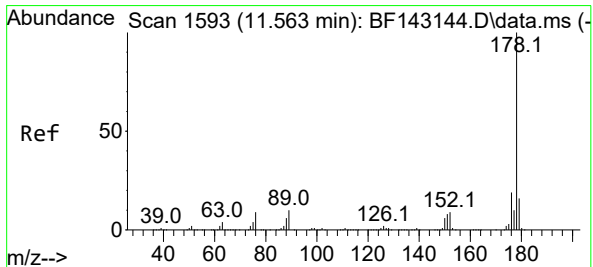
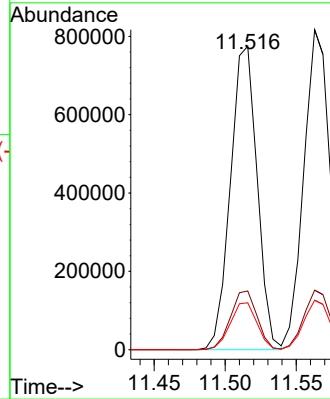
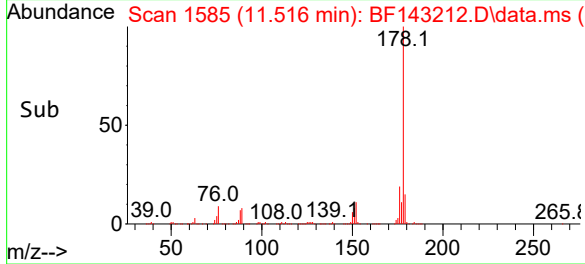
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:178 Resp: 101347
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.5 18.7

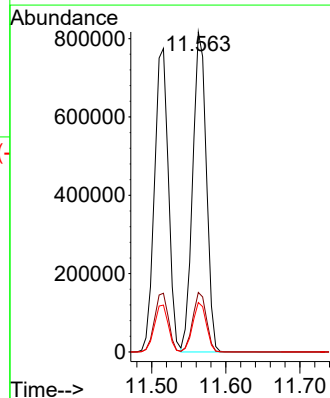
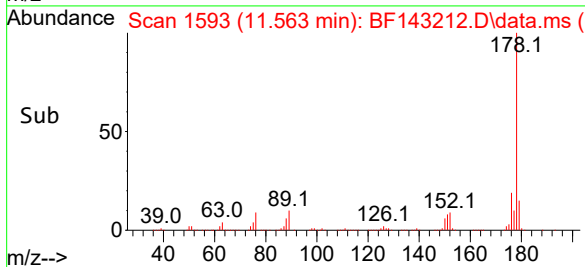
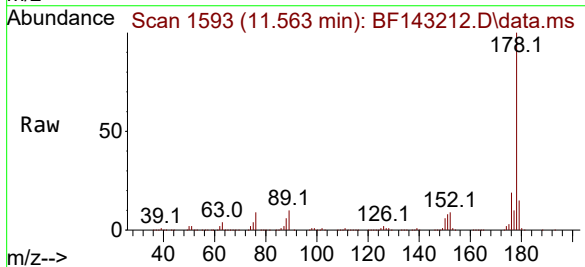
Manual Integrations
APPROVED

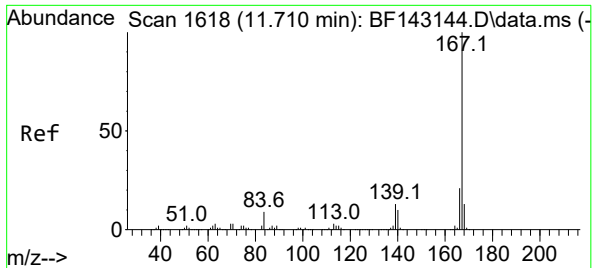
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#72
Anthracene
Concen: 42.127 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

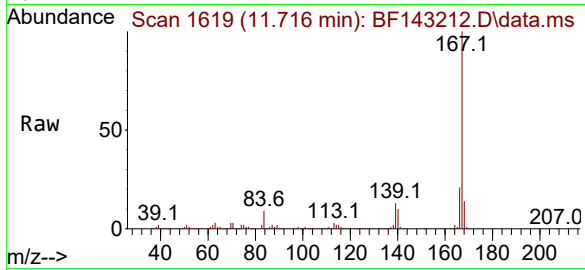
Tgt Ion:178 Resp: 1042962
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 43.331 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143212.D
 Acq: 23 Jul 2025 15:31

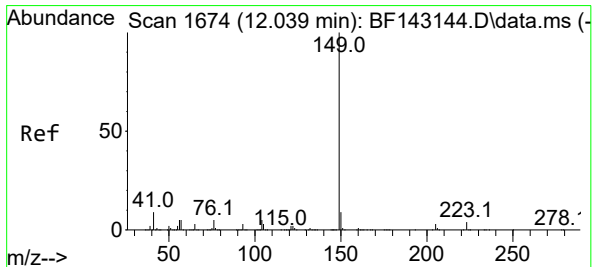
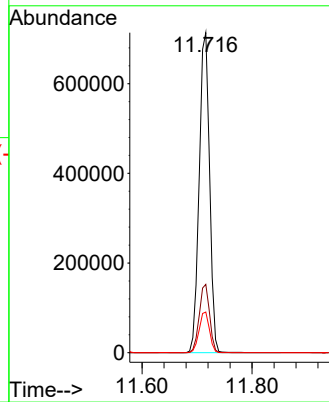
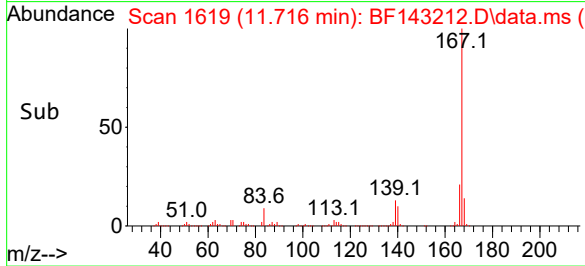
Instrument :
 BNA_F
 ClientSampleId :
 PB168929BS



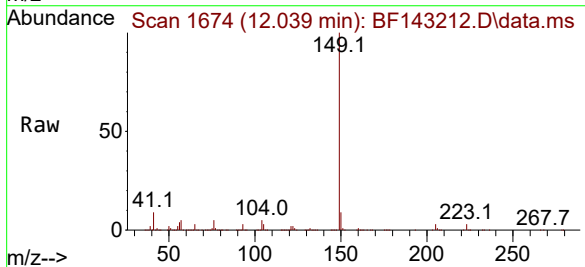
Tgt Ion:167 Resp: 936735
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.7 10.0 15.0

Manual Integrations
 APPROVED

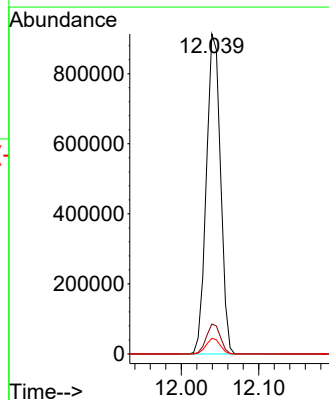
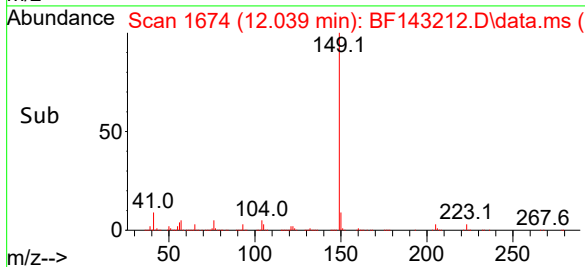
Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

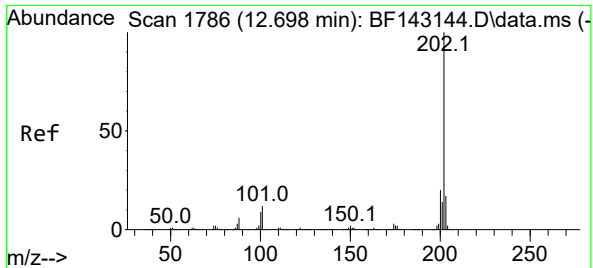


#74
 Di-n-butylphthalate
 Concen: 47.353 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143212.D
 Acq: 23 Jul 2025 15:31



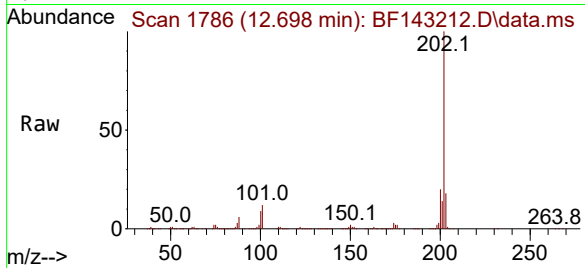
Tgt Ion:149 Resp: 1158302
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.9 3.8 5.8





#75
Fluoranthene
Concen: 45.851 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

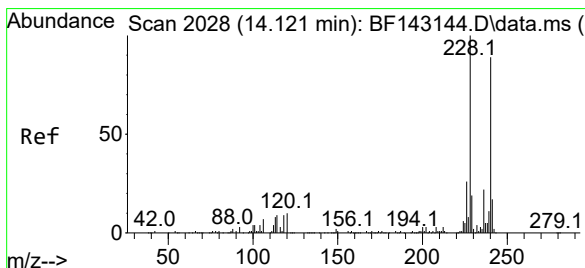
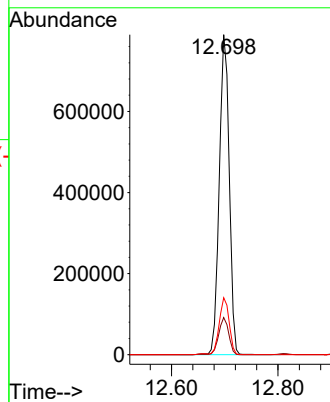
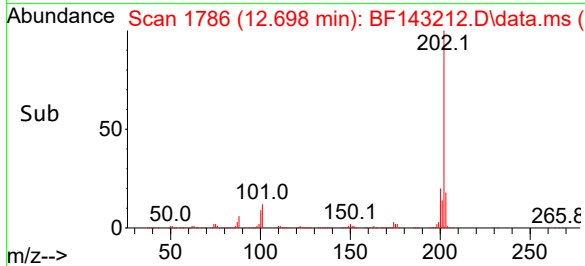
Instrument :
BNA_F
ClientSampleId :
PB168929BS



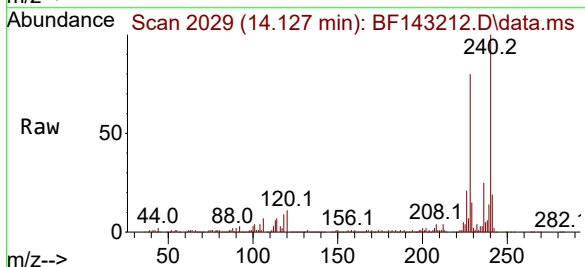
Tgt Ion:202 Resp: 102160
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.8 0.0 37.4

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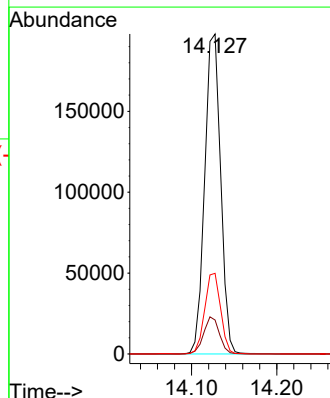
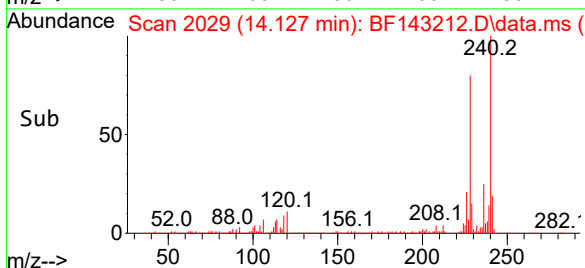
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

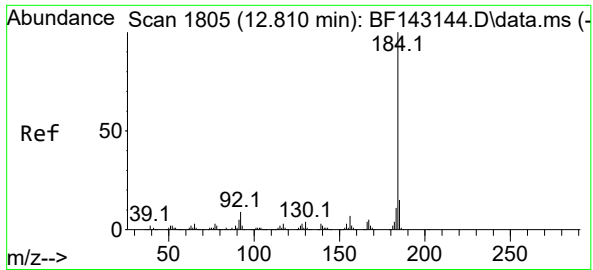


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



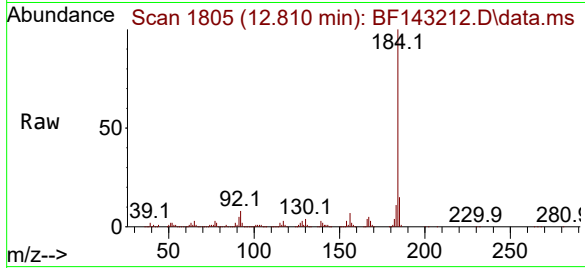
Tgt Ion:240 Resp: 257414
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.2 20.2 30.4





#77
Benzidine
Concen: 44.288 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

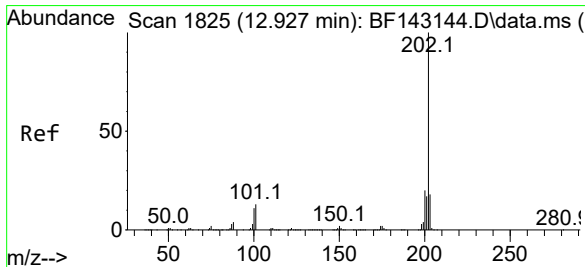
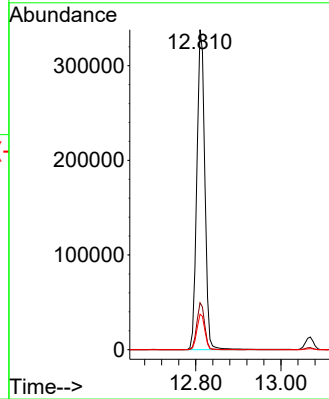
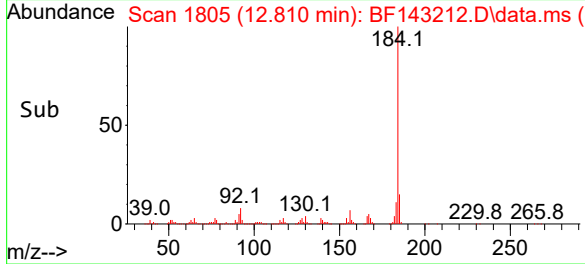
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:184 Resp: 439225
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.4
183 11.1 9.0 13.4

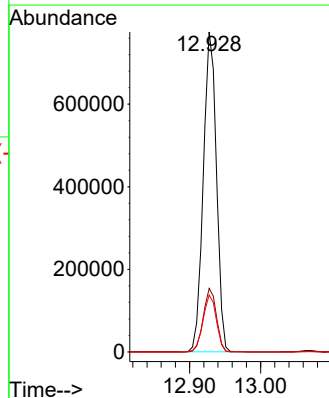
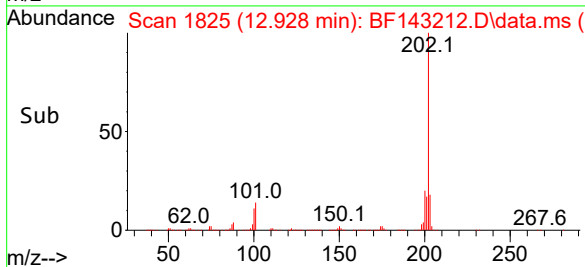
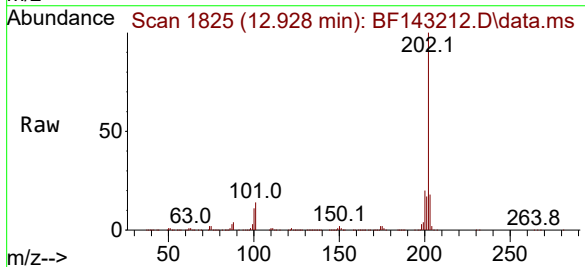
Manual Integrations
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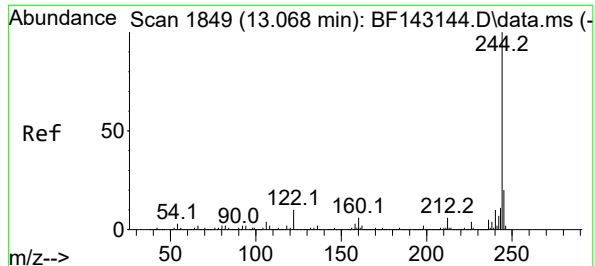
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#78
Pyrene
Concen: 45.405 ng
RT: 12.928 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:202 Resp: 997507
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 78.664 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143212.D

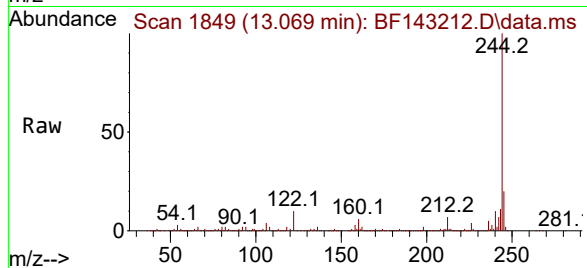
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



Tgt Ion:244 Resp: 1360738

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

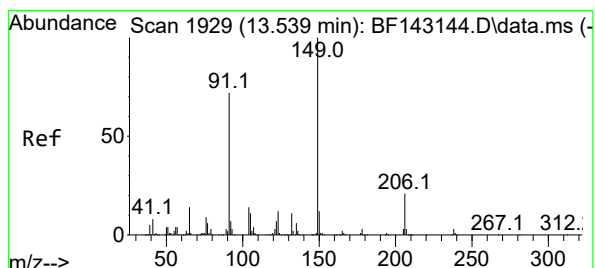
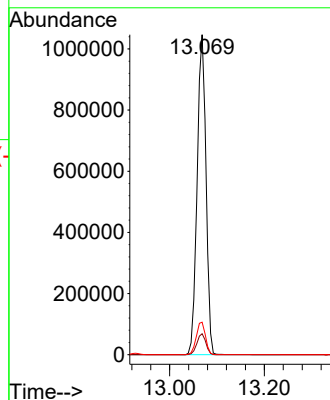
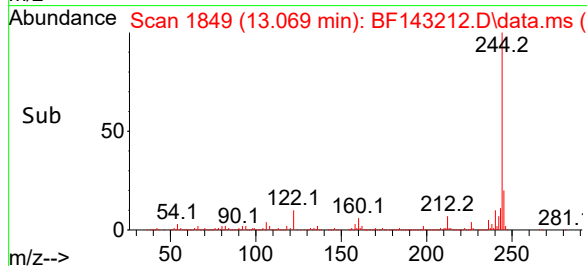
122 10.2 8.2 12.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#80

Butylbenzylphthalate

Concen: 57.747 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

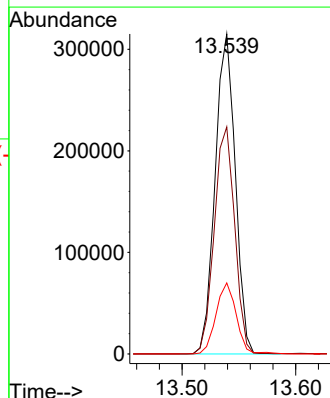
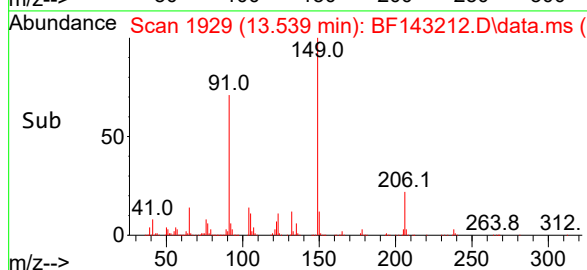
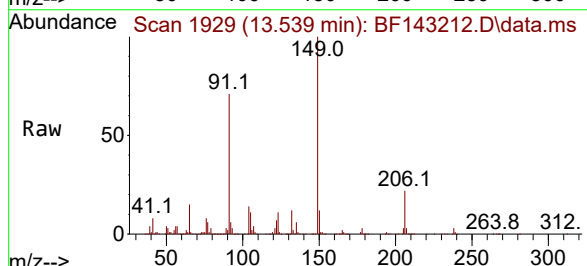
Tgt Ion:149 Resp: 388473

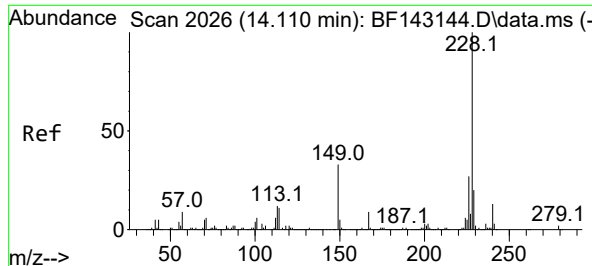
Ion Ratio Lower Upper

149 100

91 71.0 57.9 86.9

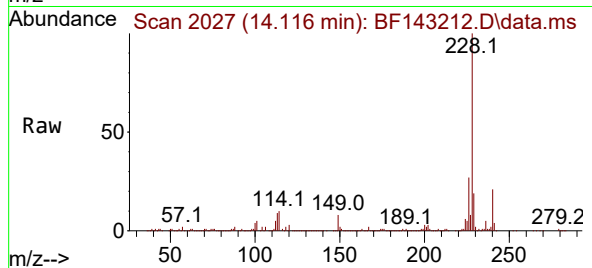
206 22.2 17.0 25.4





#81
Benzo(a)anthracene
Concen: 44.609 ng
RT: 14.116 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

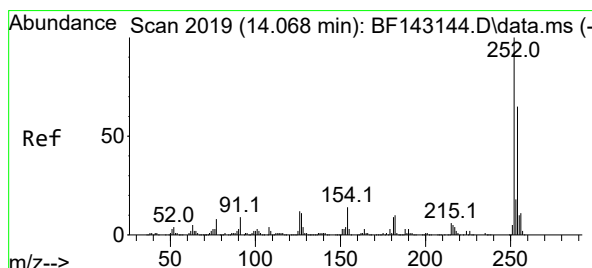
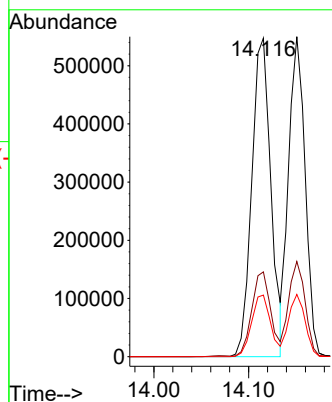
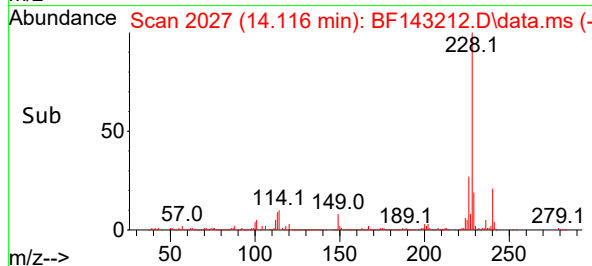
Instrument :
BNA_F
ClientSampleId :
PB168929BS



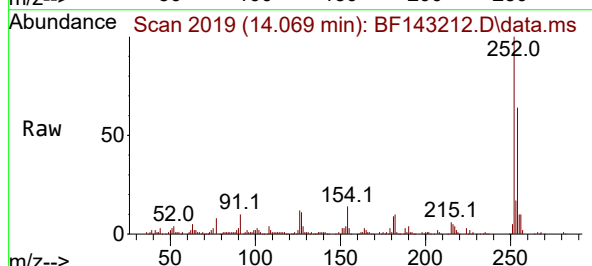
Tgt Ion:228 Resp: 768789
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 19.4 15.8 23.6

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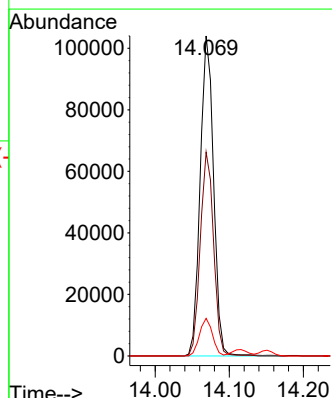
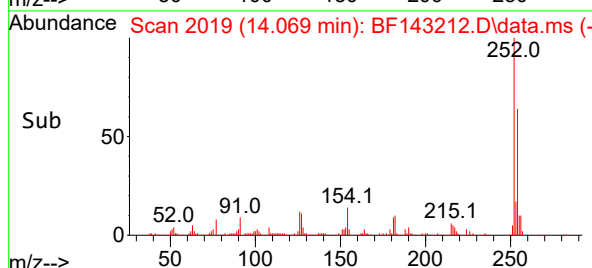
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

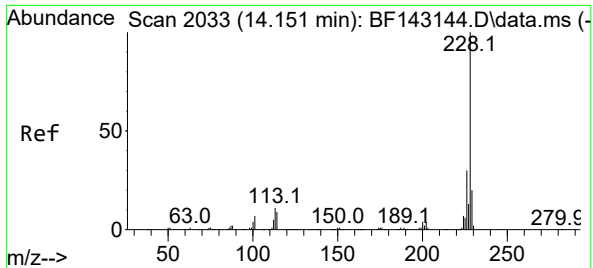


#82
3,3'-Dichlorobenzidine
Concen: 22.706 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



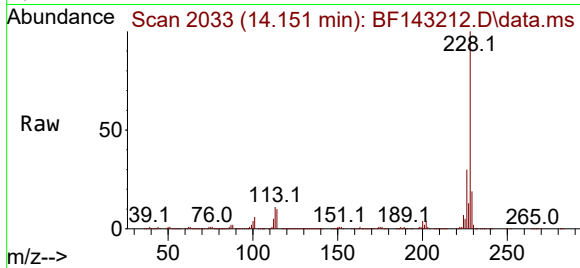
Tgt Ion:252 Resp: 130418
Ion Ratio Lower Upper
252 100
254 63.7 51.7 77.5
126 11.7 9.4 14.0





#83
Chrysene
Concen: 43.047 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

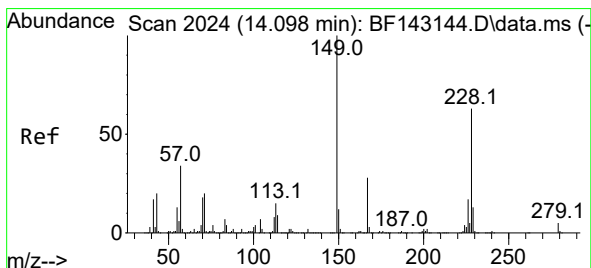
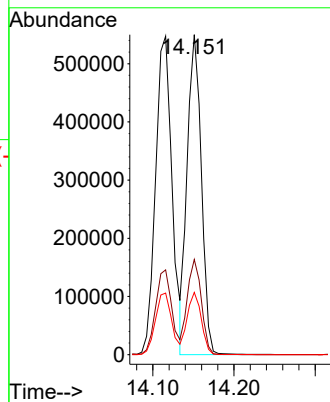
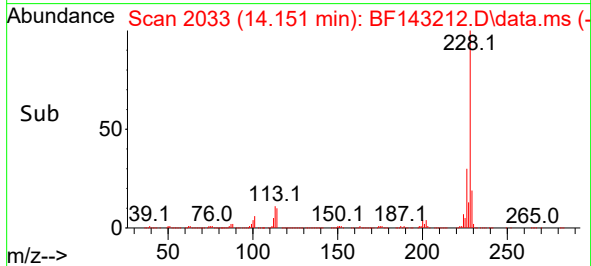
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:228 Resp: 667015
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 19.5 15.6 23.4

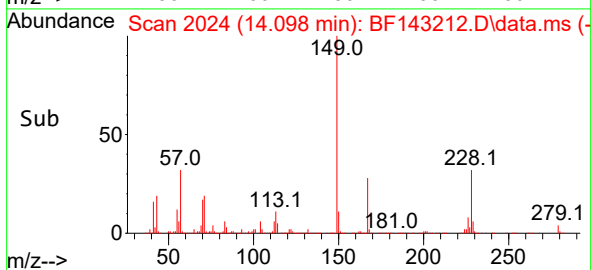
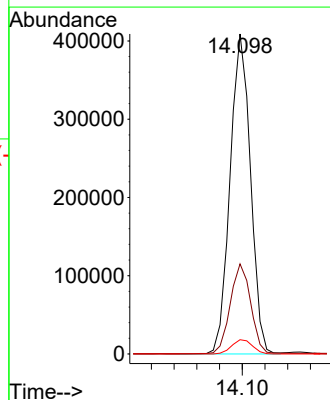
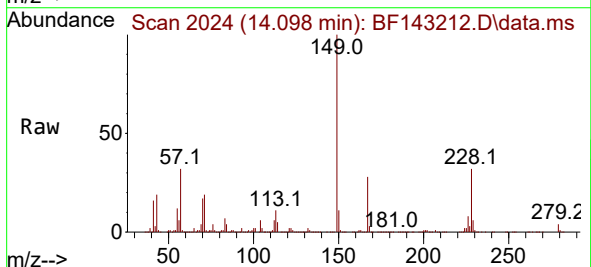
Manual Integrations
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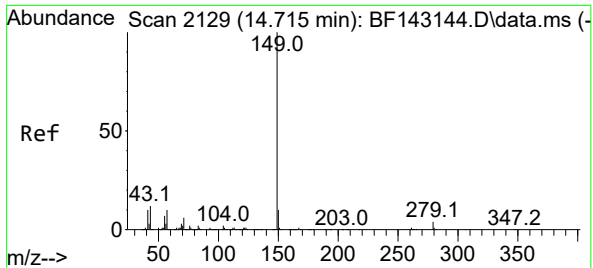
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.052 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

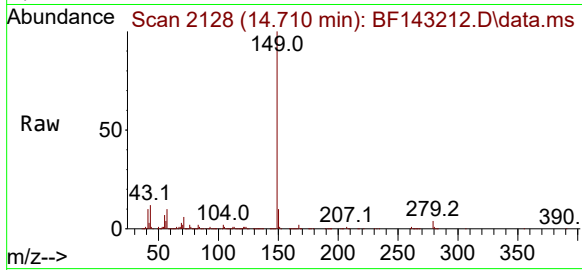
Tgt Ion:149 Resp: 509639
Ion Ratio Lower Upper
149 100
167 28.2 22.3 33.5
279 4.5 3.6 5.4





#85
Di-n-octyl phthalate
Concen: 43.453 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

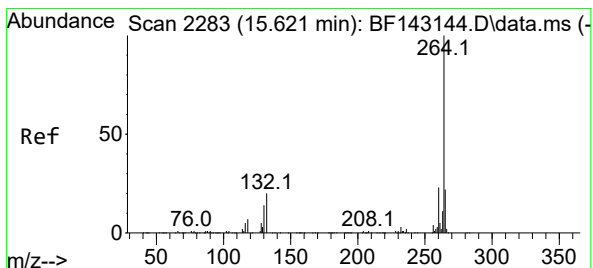
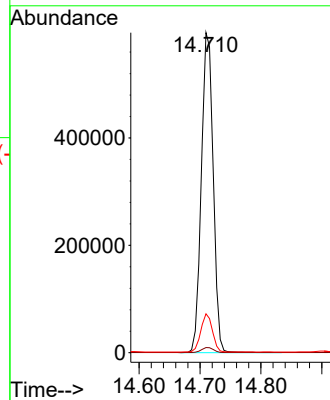
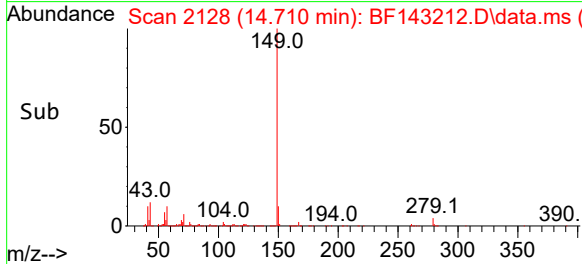
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:149 Resp: 801994
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.8 9.7 14.5

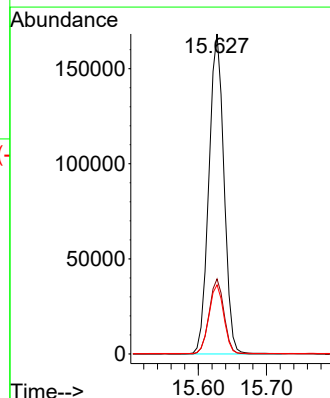
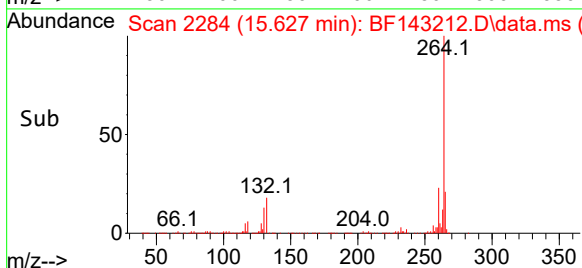
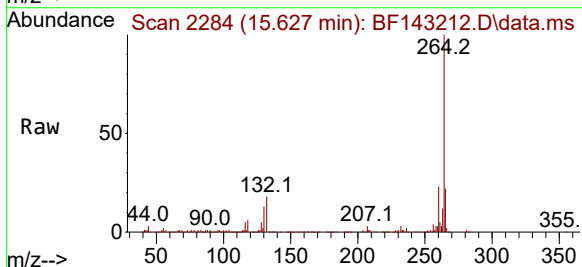
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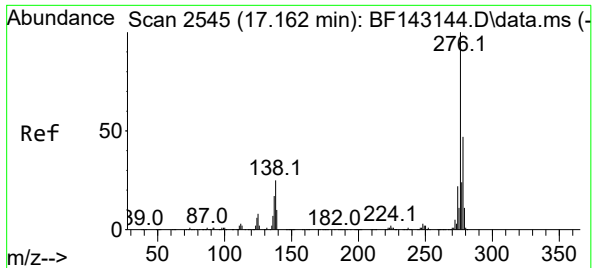
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:264 Resp: 259291
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.816 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:276 Resp: 801110

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.6

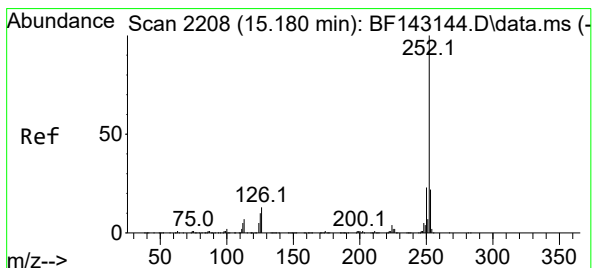
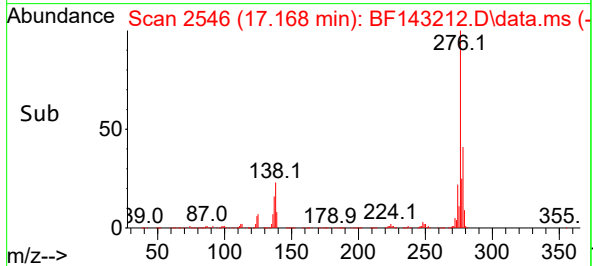
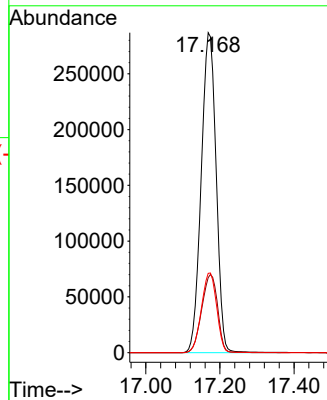
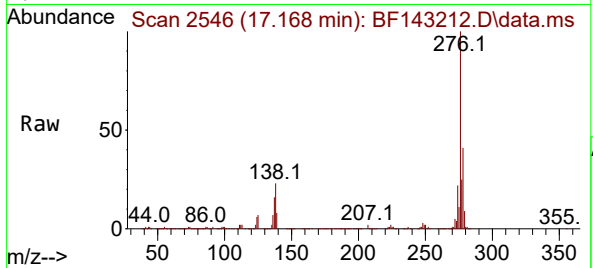
277 25.5 20.0 30.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#88

Benzo(b)fluoranthene

Concen: 44.186 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

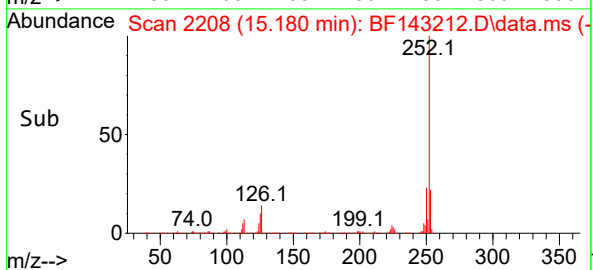
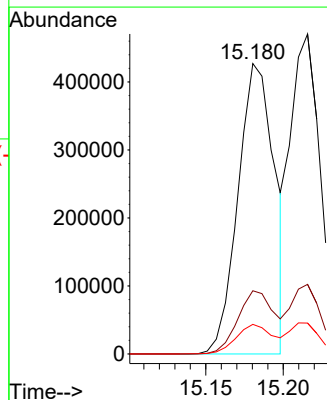
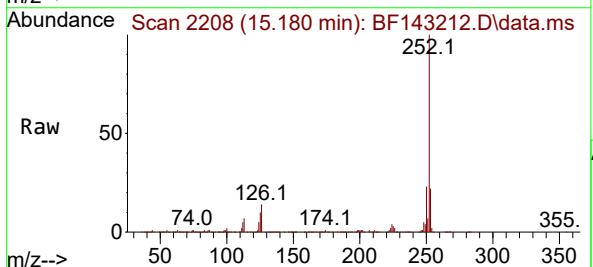
Tgt Ion:252 Resp: 699919

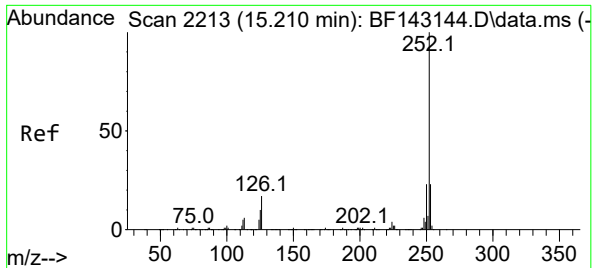
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.2 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 44.536 ng

RT: 15.216 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:252 Resp: 62951

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

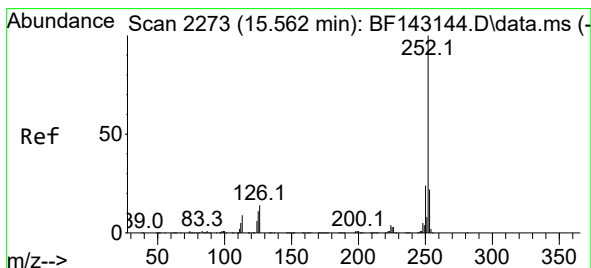
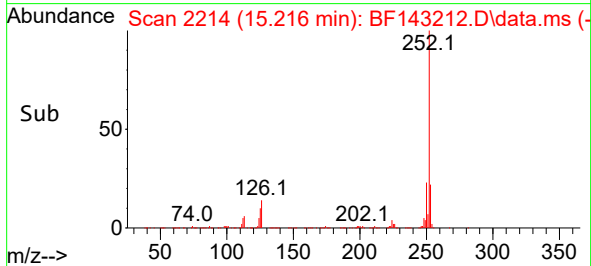
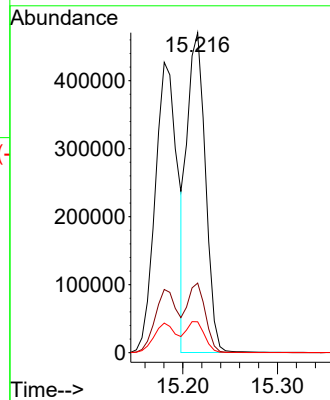
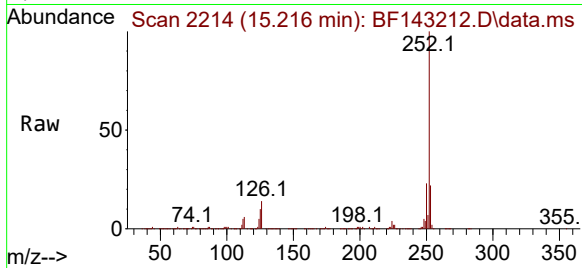
125 9.7 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#90

Benzo(a)pyrene

Concen: 44.555 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

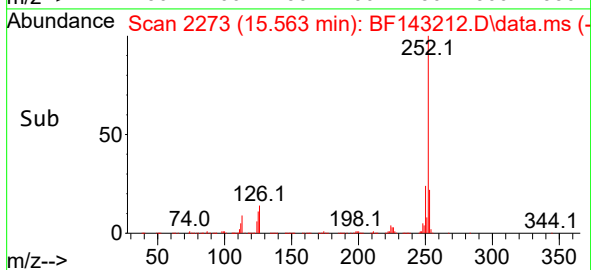
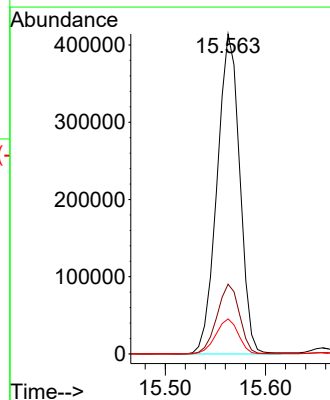
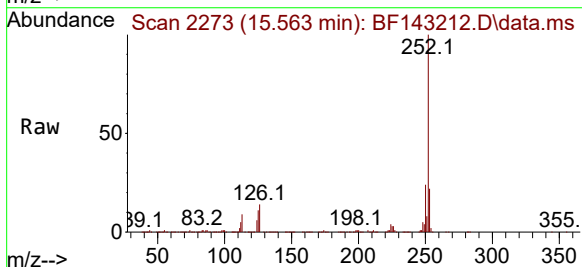
Tgt Ion:252 Resp: 650257

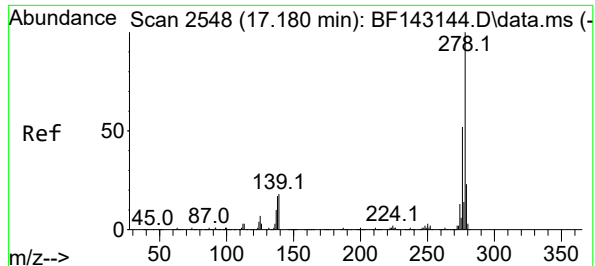
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.9 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 43.731 ng

RT: 17.186 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:278 Resp: 650784

Ion Ratio Lower Upper

278 100

139 17.0 14.1 21.1

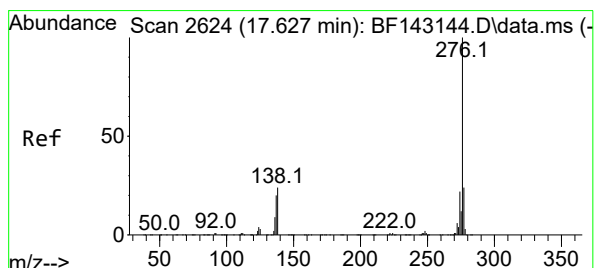
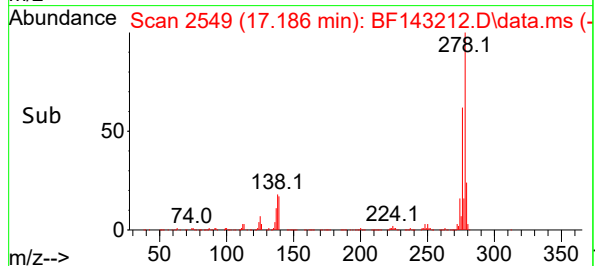
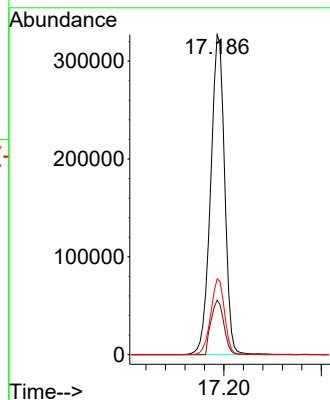
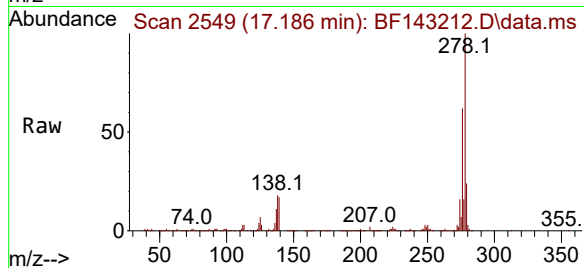
279 23.7 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#92

Benzo(g,h,i)perylene

Concen: 44.808 ng

RT: 17.639 min Scan# 2626

Delta R.T. 0.012 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

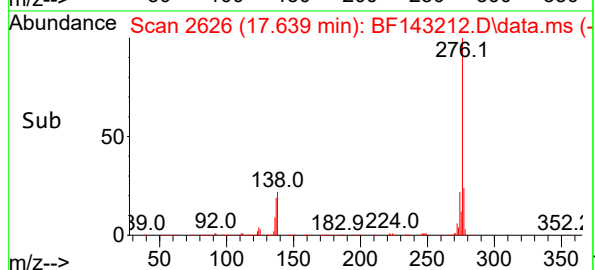
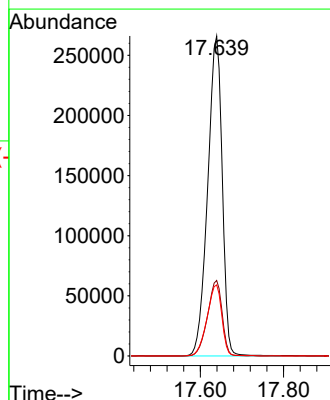
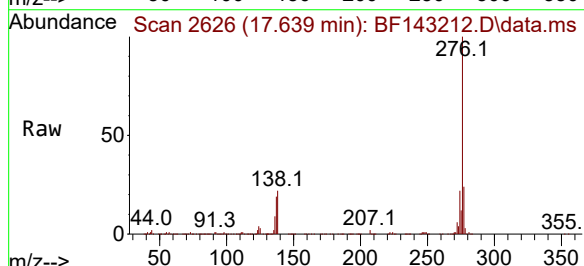
Tgt Ion:276 Resp: 645025

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 22.2 18.9 28.3



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.8
Sample Wt/Vol:	50.07 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
BF143180.D	1	07/21/25 09:30	07/22/25 10:26	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	770		110	230	ug/Kg
108-95-2	Phenol	1000		15.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		17.2	120	ug/Kg
95-57-8	2-Chlorophenol	1000		17.2	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		26.5	120	ug/Kg
98-86-2	Acetophenone	970		20.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.0	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		33.5	56.5	ug/Kg
67-72-1	Hexachloroethane	1000		12.4	120	ug/Kg
98-95-3	Nitrobenzene	1000		12.9	120	ug/Kg
78-59-1	Isophorone	990		23.2	120	ug/Kg
88-75-5	2-Nitrophenol	1100		41.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	990		45.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		21.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		20.0	120	ug/Kg
91-20-3	Naphthalene	1000		16.0	120	ug/Kg
106-47-8	4-Chloroaniline	280		25.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		17.9	120	ug/Kg
105-60-2	Caprolactam	1300		36.8	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		20.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		18.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300		82.0	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		14.0	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		20.6	120	ug/Kg
92-52-4	1,1-Biphenyl	990		15.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	980		15.9	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.0	120	ug/Kg
131-11-3	Dimethylphthalate	1000		19.1	120	ug/Kg

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Sample Wt/Vol:	50.07 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
BF143180.D	1	07/21/25 09:30	07/22/25 10:26	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		20.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		23.7	120	ug/Kg
99-09-2	3-Nitroaniline	880		32.5	120	ug/Kg
83-32-9	Acenaphthene	1100		15.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2400	E	160	230	ug/Kg
100-02-7	4-Nitrophenol	2300	E	75.6	230	ug/Kg
132-64-9	Dibenzofuran	1000		16.0	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		35.4	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.0	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		18.9	120	ug/Kg
86-73-7	Fluorene	1000		17.9	120	ug/Kg
100-01-6	4-Nitroaniline	1100		45.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		72.8	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		23.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		19.6	120	ug/Kg
118-74-1	Hexachlorobenzene	990		17.9	120	ug/Kg
1912-24-9	Atrazine	1100		24.0	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	36.2	230	ug/Kg
85-01-8	Phenanthrene	1300		14.8	120	ug/Kg
120-12-7	Anthracene	1100		23.5	120	ug/Kg
86-74-8	Carbazole	1000		22.0	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		33.8	120	ug/Kg
206-44-0	Fluoranthene	1500		21.2	120	ug/Kg
129-00-0	Pyrene	1400		25.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		50.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	520		25.9	230	ug/Kg
56-55-3	Benzo(a)anthracene	1300		16.3	120	ug/Kg
218-01-9	Chrysene	1300		14.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		61.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		13.4	120	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		15.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		20.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	840		20.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		19.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		18.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	970		18.1	120	ug/Kg
123-91-1	1,4-Dioxane	840		31.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		19.4	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.8		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	88.2		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.5		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.0		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.0		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	44.2		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.963			
1146-65-2	Naphthalene-d8	483000	8.245			
15067-26-2	Acenaphthene-d10	259000	10.004			
1517-22-2	Phenanthrene-d10	421000	11.492			
1719-03-5	Chrysene-d12	278000	14.133			
1520-96-3	Perylene-d12	251000	15.633			

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\BF072225\
 Data File : BF143180.D
 Acq On : 22 Jul 2025 10:26
 Operator : RC/JU
 Sample : Q2635-01MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286MS

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Jul 22 11:17:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							07/23/2025
1) 1,4-Dichlorobenzene-d4	6.963	152	122637	20.000	ng	0.00	Supervised By :Jagrut Opadhyay
21) Naphthalene-d8	8.245	136	483164	20.000	ng	0.00	
39) Acenaphthene-d10	10.004	164	258898	20.000	ng	0.00	
64) Phenanthrene-d10	11.492	188	420723	20.000	ng	0.00	
76) Chrysene-d12	14.133	240	277520	20.000	ng	0.01	
86) Perylene-d12	15.633	264	250625	20.000	ng	0.01	07/23/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.592	112	656921	84.767	ng	0.00	
7) Phenol-d6	6.586	99	860079	88.173	ng	0.00	
23) Nitrobenzene-d5	7.522	82	547489	56.483	ng	0.00	
42) 2,4,6-Tribromophenol	10.792	330	245931	91.952	ng	0.00	
45) 2-Fluorobiphenyl	9.322	172	984221	51.991	ng	0.00	
79) Terphenyl-d14	13.068	244	824200	44.195	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	2.840	88	130984	35.720	ng		99
3) Pyridine	3.610	79	355037	37.302	ng		99
4) n-Nitrosodimethylamine	3.546	42	205539	41.826	ng		99
6) Aniline	6.628	93	319279	23.486	ng		99
8) 2-Chlorophenol	6.751	128	348702	42.926	ng		98
9) Benzaldehyde	6.510	77	239190	32.701	ng		98
10) Phenol	6.604	94	470154	44.243	ng		100
11) bis(2-Chloroethyl)ether	6.692	93	345925	42.516	ng		99
12) 1,3-Dichlorobenzene	6.904	146	356842	40.438	ng		100
13) 1,4-Dichlorobenzene	6.981	146	362700	40.813	ng		99
14) 1,2-Dichlorobenzene	7.133	146	347469	41.109	ng		99
15) Benzyl Alcohol	7.098	79	331244	44.474	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	624571	41.381	ng		100
17) 2-Methylphenol	7.210	107	297538	43.562	ng		99
18) Hexachloroethane	7.481	117	131497	42.743	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	257035	41.072	ng		98
20) 3+4-Methylphenols	7.363	107	367283	44.321	ng	#	78
22) Acetophenone	7.369	105	473405	41.385	ng	#	98
24) Nitrobenzene	7.539	77	393741	43.571	ng		99
25) Isophorone	7.781	82	722769	42.240	ng		99
26) 2-Nitrophenol	7.857	139	184391	47.015	ng		98
27) 2,4-Dimethylphenol	7.892	122	336155	42.048	ng		100
28) bis(2-Chloroethoxy)met...	7.986	93	424559	41.383	ng		100
29) 2,4-Dichlorophenol	8.098	162	295634	43.850	ng		98
30) 1,2,4-Trichlorobenzene	8.186	180	300326	41.233	ng		99
31) Naphthalene	8.269	128	1043768	43.865	ng		100
32) Benzoic acid	8.010	122	242290	53.176	ng		97
33) 4-Chloroaniline	8.310	127	115901	11.929	ng		99
34) Hexachlorobutadiene	8.392	225	180230	40.506	ng		100
35) Caprolactam	8.680	113	111637	54.796	ng		100
36) 4-Chloro-3-methylphenol	8.786	107	337664	46.079	ng		99
37) 2-Methylnaphthalene	8.957	142	632605	43.689	ng		100
38) 1-Methylnaphthalene	9.057	142	654760	43.913	ng		99
40) 1,2,4,5-Tetrachloroben...	9.127	216	307216	41.101	ng		98
41) Hexachlorocyclopentadiene	9.116	237	269158	55.342	ng		100
43) 2,4,6-Trichlorophenol	9.233	196	225706	43.631	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143180.D
 Acq On : 22 Jul 2025 10:26
 Operator : RC/JU
 Sample : Q2635-01MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286MS

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Jul 22 11:17:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.275	196	226021	43.678	ng	98	07/23/2025
46) 1,1'-Biphenyl	9.422	154	845751	41.871	ng	99	Supervised By :Jagrut Upadhyay
47) 2-Chloronaphthalene	9.445	162	622529	41.652	ng	99	
48) 2-Nitroaniline	9.533	65	228188	48.685	ng	97	
49) Acenaphthylene	9.863	152	1074389	42.895	ng	100	
50) Dimethylphthalate	9.722	163	739486	43.820	ng	99	
51) 2,6-Dinitrotoluene	9.780	165	162636	47.374	ng	98	07/23/2025
52) Acenaphthene	10.039	154	702409	47.447	ng	98	
53) 3-Nitroaniline	9.945	138	150223	37.411	ng	100	
54) 2,4-Dinitrophenol	10.051	184	161630	101.891	ng	# 1	
55) Dibenzofuran	10.210	168	958909	43.628	ng	100	
56) 4-Nitrophenol	10.104	139	290208	96.784	ng	98	
57) 2,4-Dinitrotoluene	10.180	165	222639	51.692	ng	98	
58) Fluorene	10.551	166	735293	44.574	ng	100	
59) 2,3,4,6-Tetrachlorophenol	10.327	232	194167	45.297	ng	99	
60) Diethylphthalate	10.422	149	770106	46.169	ng	99	
61) 4-Chlorophenyl-phenyle...	10.539	204	350275	42.644	ng	98	
62) 4-Nitroaniline	10.563	138	162531	47.227	ng	97	
63) Azobenzene	10.704	77	806940	46.418	ng	95	
65) 4,6-Dinitro-2-methylph...	10.592	198	106177	48.125	ng	98	
66) n-Nitrosodiphenylamine	10.657	169	640269	43.218	ng	99	
67) 4-Bromophenyl-phenylether	11.033	248	215047	42.890	ng	99	
68) Hexachlorobenzene	11.104	284	221260	42.221	ng	99	
69) Atrazine	11.186	200	192717	47.184	ng	98	
70) Pentachlorophenol	11.292	266	273917	88.880	ng	99	
71) Phenanthrene	11.516	178	1252082	56.049	ng	99	
72) Anthracene	11.569	178	1059941	46.522	ng	100	
73) Carbazole	11.716	167	866665	43.563	ng	99	
74) Di-n-butylphthalate	12.045	149	1089699	48.409	ng	100	
75) Fluoranthene	12.704	202	1341747	65.437	ng	99	
77) Benzidine	12.816	184	257059	24.042	ng	99	
78) Pyrene	12.933	202	1405043	59.322	ng	99	
80) Butylbenzylphthalate	13.545	149	372649	51.381	ng	98	
81) Benzo(a)anthracene	14.121	228	1055813	56.825	ng	99	
82) 3,3'-Dichlorobenzidine	14.074	252	136903	22.108	ng	99	
83) Chrysene	14.157	228	926475	55.460	ng	99	
84) Bis(2-ethylhexyl)phtha...	14.104	149	512026	46.643	ng	100	
85) Di-n-octyl phthalate	14.721	149	949372m	47.711	ng		
87) Indeno(1,2,3-cd)pyrene	17.180	276	632228	35.775	ng	99	
88) Benzo(b)fluoranthene	15.192	252	1015390	66.318	ng	99	
89) Benzo(k)fluoranthene	15.221	252	712098	52.120	ng	99	
90) Benzo(a)pyrene	15.574	252	800603	56.754	ng	98	
91) Dibenzo(a,h)anthracene	17.198	278	444650	30.912	ng	99	
92) Benzo(g,h,i)perylene	17.645	276	504925	36.288	ng	99	

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

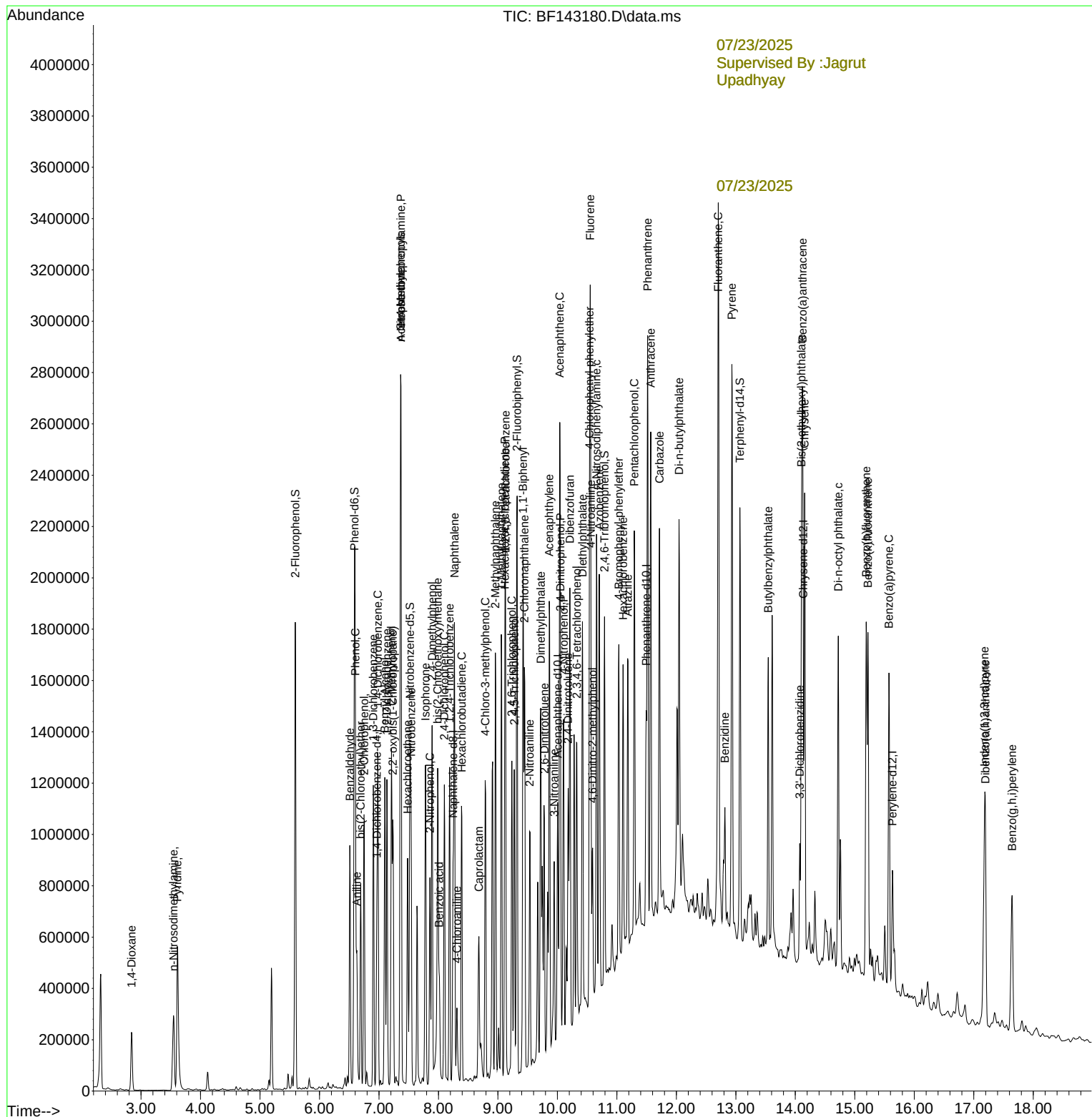
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Data File : BF143180.D
Acq On : 22 Jul 2025 10:26
Operator : RC/JU
Sample : Q2635-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

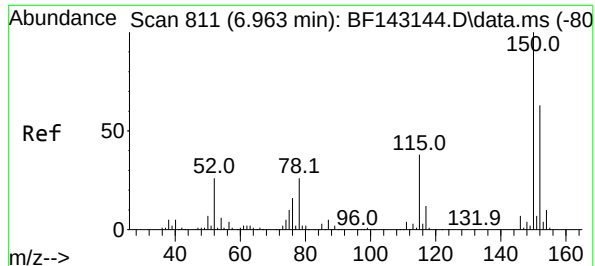
Instrument :
BNA_F
ClientSampleId :
RT2286MS

Manual Integrations APPROVED

Reviewed By :Rahul Chayli

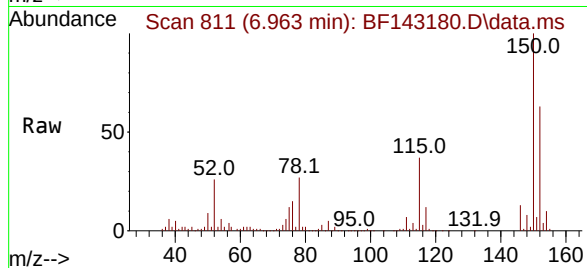
Quant Time: Jul 22 11:17:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

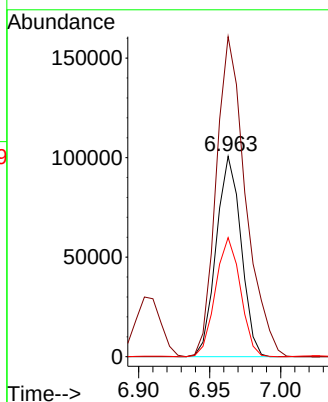
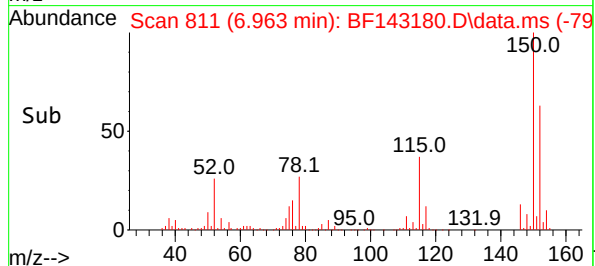
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:152 Resp: 12263
Ion Ratio Lower Upper
152 100
150 159.7 128.2 192.4
115 59.4 47.9 71.9

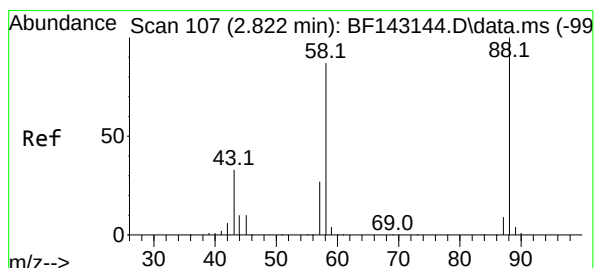
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

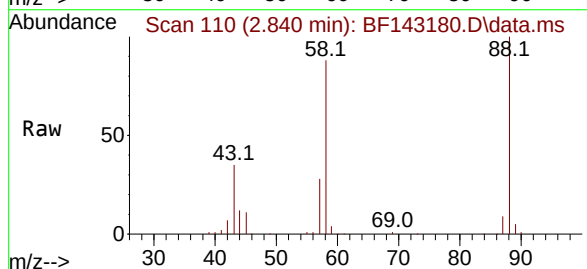


07/23/2025
Supervised By :Jagrut
Upadhyay

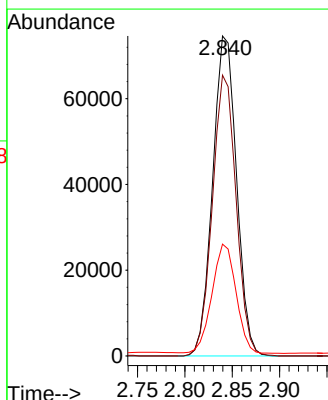
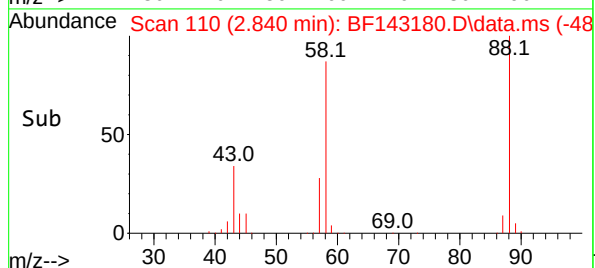
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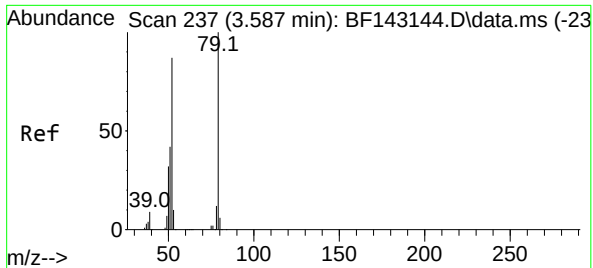


#2
1,4-Dioxane
Concen: 35.720 ng
RT: 2.840 min Scan# 110
Delta R.T. 0.018 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



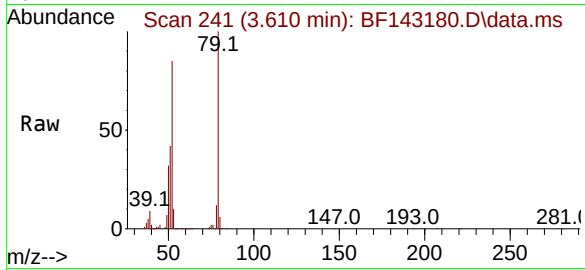
Tgt Ion: 88 Resp: 130984
Ion Ratio Lower Upper
88 100
58 87.3 70.2 105.2
43 34.4 27.1 40.7





#3
Pyridine
Concen: 37.302 ng
RT: 3.610 min Scan# 241
Delta R.T. 0.023 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

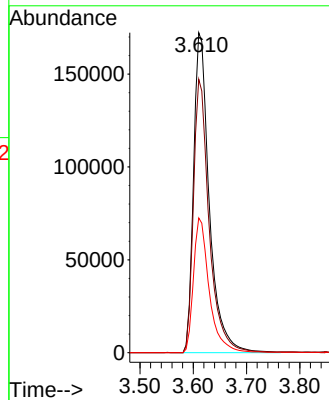
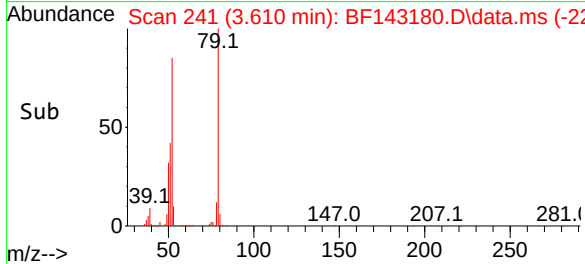
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion: 79 Resp: 35503
Ion Ratio Lower Upper
79 100
52 85.5 69.4 104.2
51 42.1 33.5 50.3

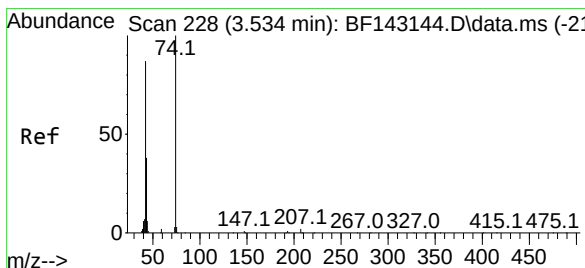
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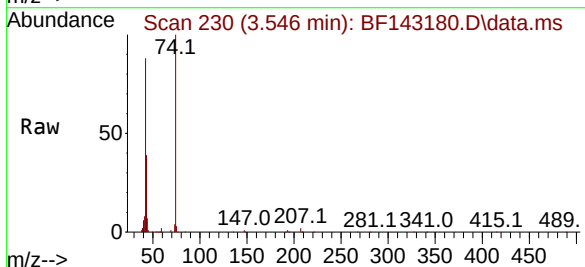


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Upadhyay

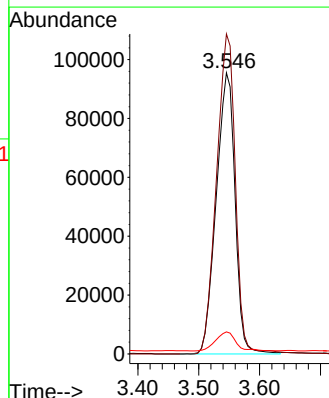
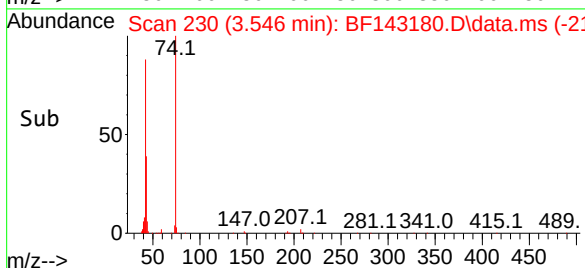
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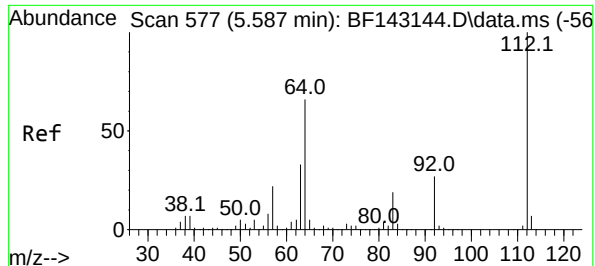


#4
n-Nitrosodimethylamine
Concen: 41.826 ng
RT: 3.546 min Scan# 230
Delta R.T. 0.012 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



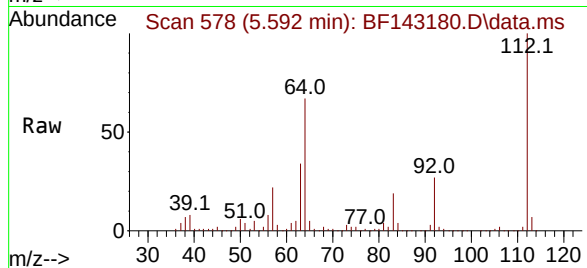
Tgt Ion: 42 Resp: 205539
Ion Ratio Lower Upper
42 100
74 113.8 91.7 137.5
44 7.9 5.6 8.4





#5
2-Fluorophenol
Concen: 84.767 ng
RT: 5.592 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

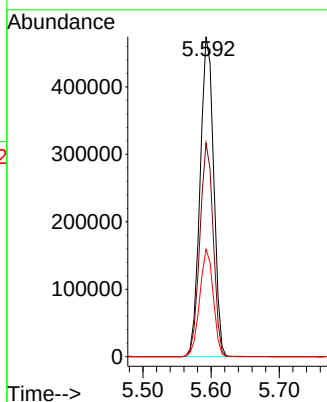
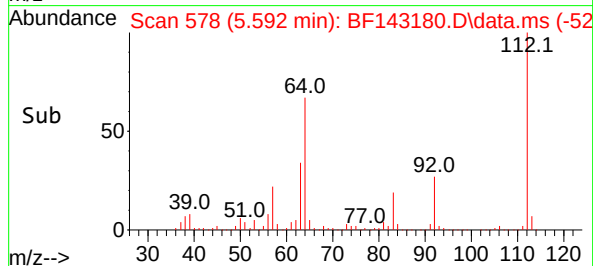
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:112 Resp: 65692
Ion Ratio Lower Upper
112 100
64 66.7 53.1 79.7
63 33.5 26.6 40.0

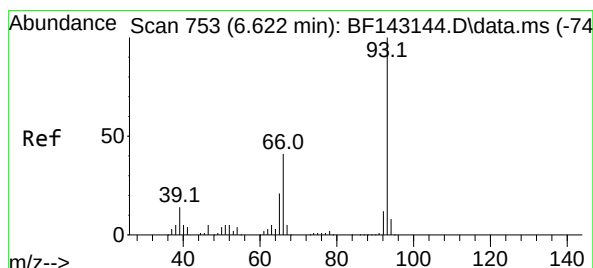
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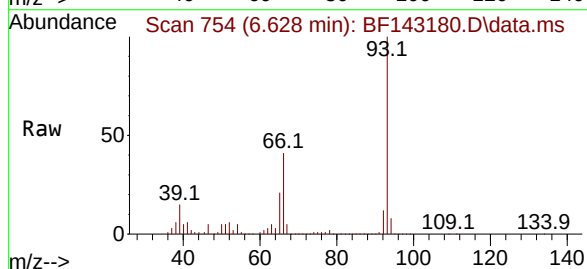


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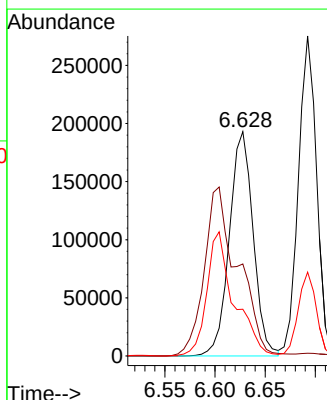
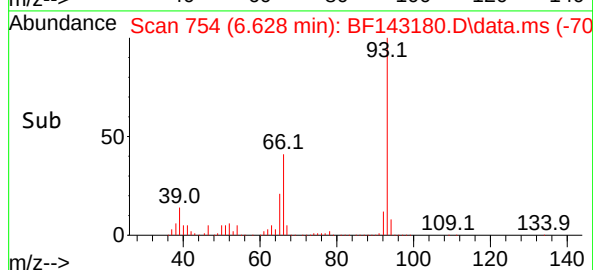
07/23/2025

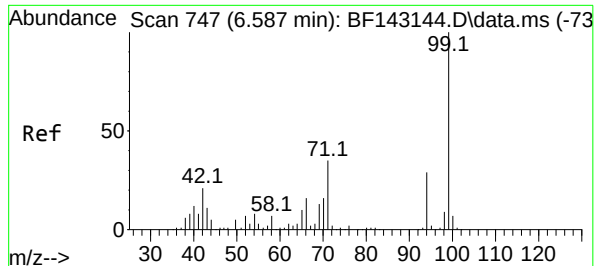


#6
Aniline
Concen: 23.486 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



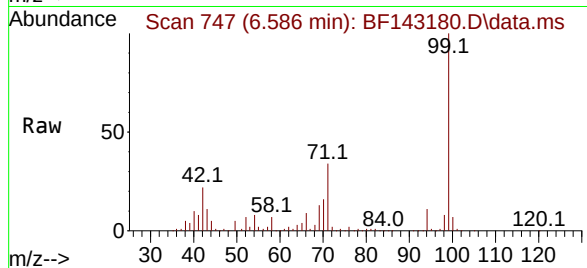
Tgt Ion: 93 Resp: 319279
Ion Ratio Lower Upper
93 100
66 41.0 33.2 49.8
65 20.8 16.9 25.3





#7
Phenol-d6
Concen: 88.173 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

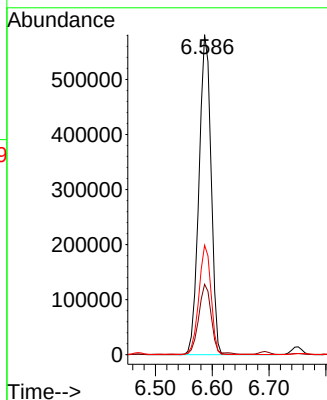
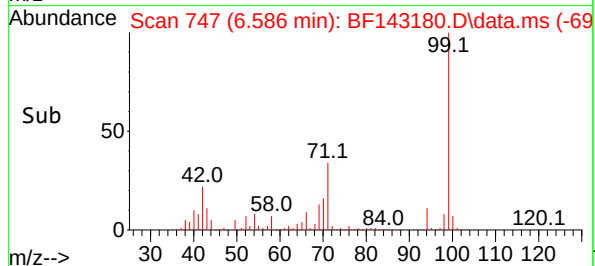
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion: 99 Resp: 860079
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 34.2 27.7 41.5

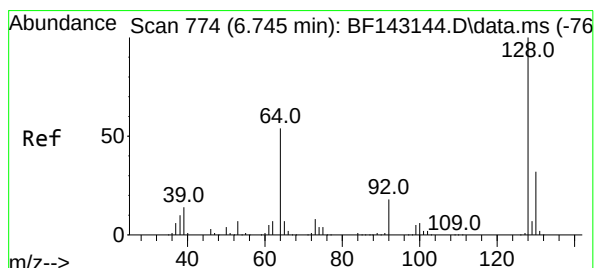
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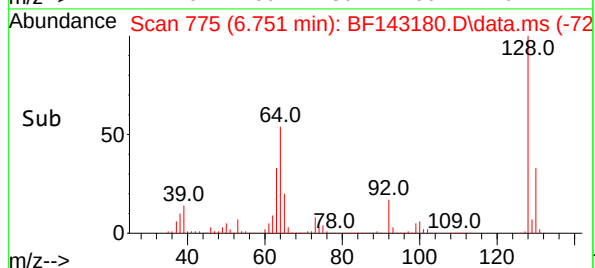
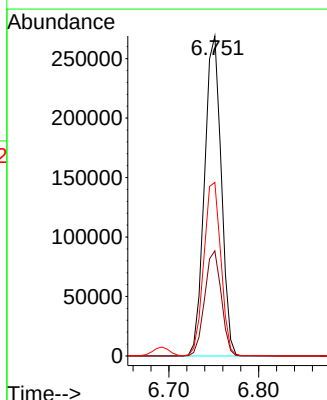
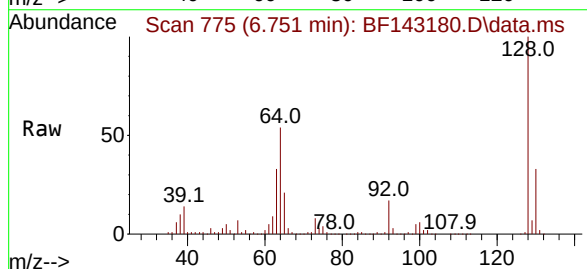
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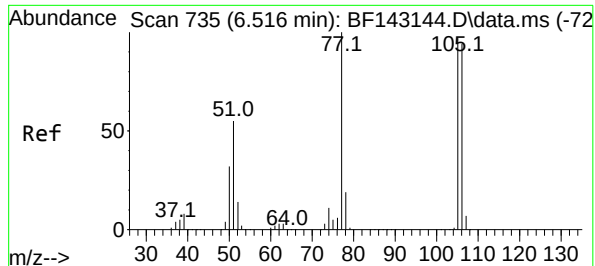
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#8
2-Chlorophenol
Concen: 42.926 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

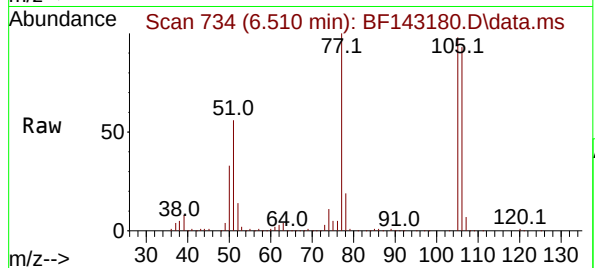
Tgt Ion:128 Resp: 348702
Ion Ratio Lower Upper
128 100
130 32.9 12.3 52.3
64 54.2 35.9 75.9





#9
Benzaldehyde
Concen: 32.701 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

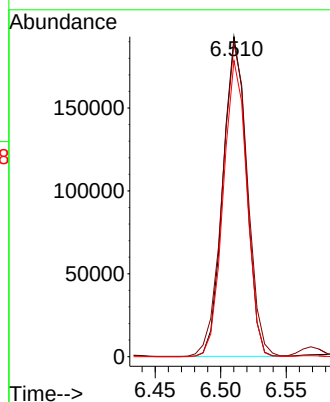
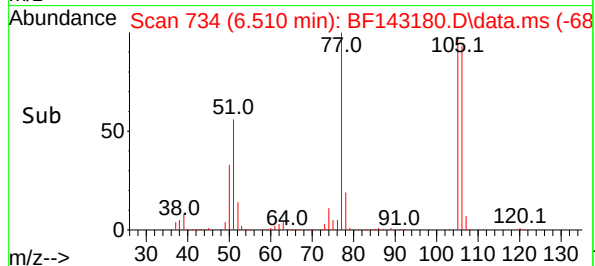
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion: 77 Resp: 239190
Ion Ratio Lower Upper
77 100
105 98.0 76.8 116.8
106 92.5 74.4 114.4

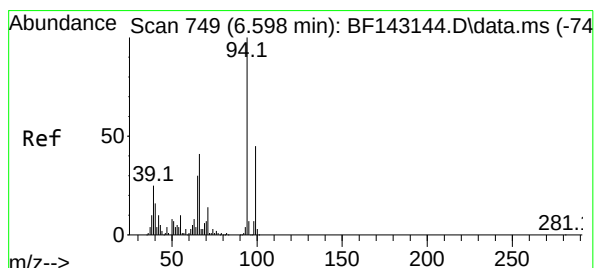
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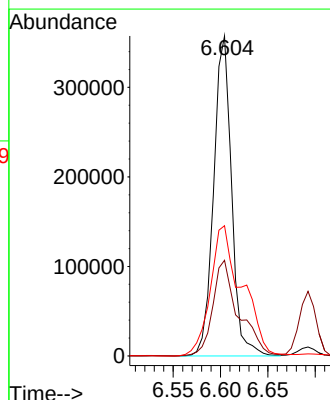
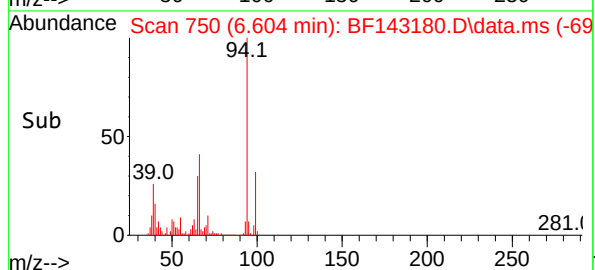
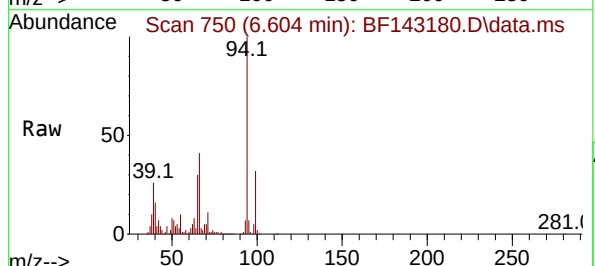
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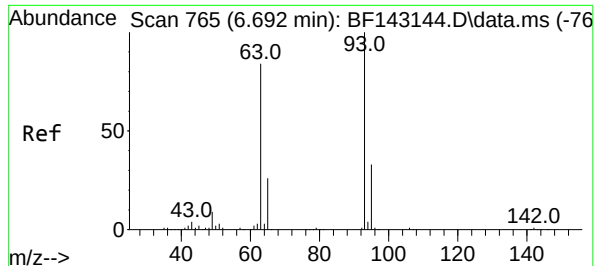
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#10
Phenol
Concen: 44.243 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion: 94 Resp: 470154
Ion Ratio Lower Upper
94 100
65 29.9 10.0 50.0
66 40.7 20.8 60.8





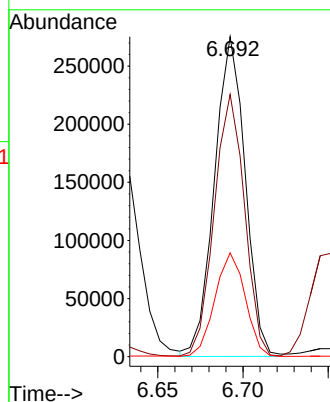
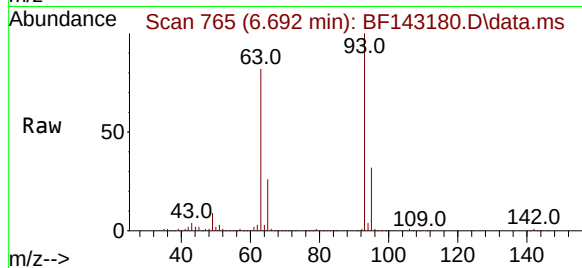
#11
bis(2-Chloroethyl)ether
Concen: 42.516 ng
RT: 6.692 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Instrument :
BNA_F
ClientSampleId :
RT2286MS

Tgt Ion: 93 Resp: 345925
Ion Ratio Lower Upper
93 100
63 81.9 63.4 103.4
95 32.5 12.4 52.4

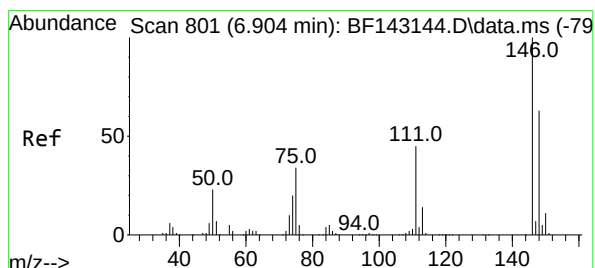
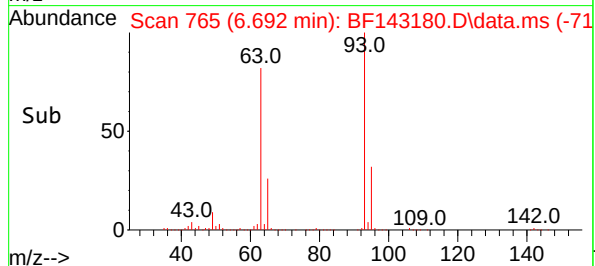
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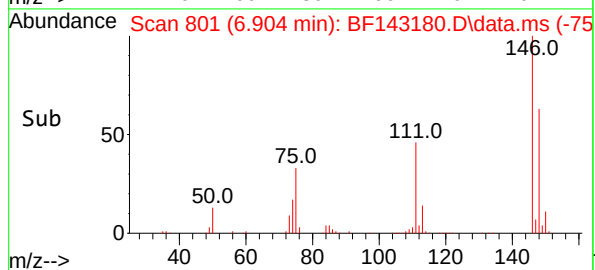
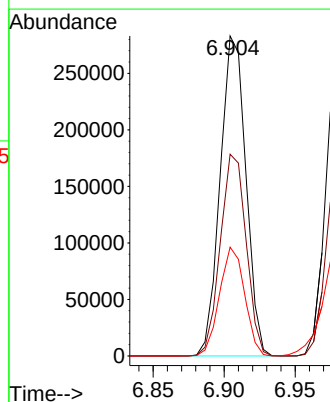
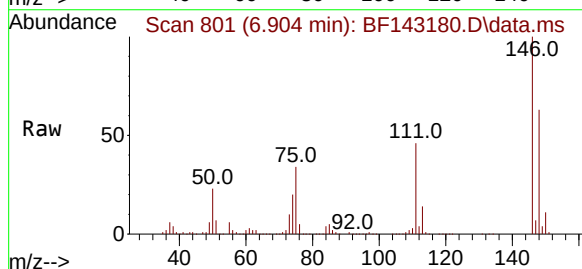
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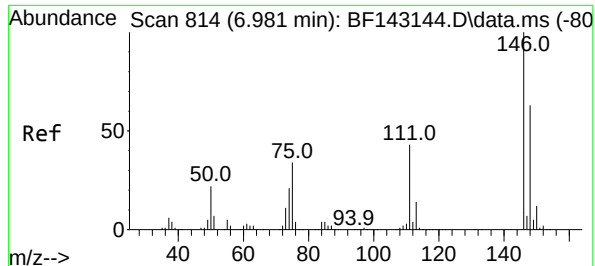
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#12
1,3-Dichlorobenzene
Concen: 40.438 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:146 Resp: 356842
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
75 34.0 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.813 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:146 Resp: 362700

Ion Ratio Lower Upper

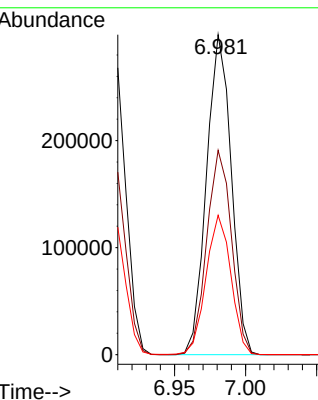
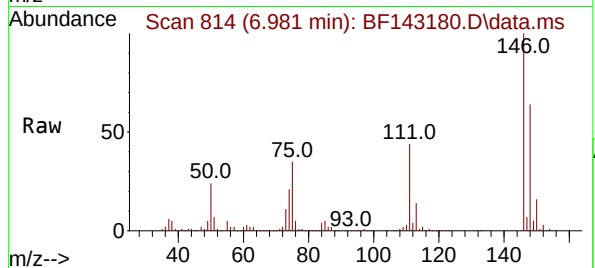
146 100

148 63.9 50.3 75.5

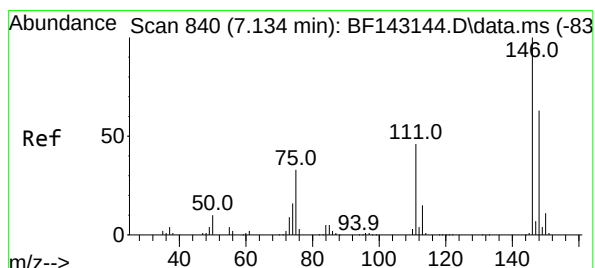
111 43.6 34.4 51.6

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#14

1,2-Dichlorobenzene

Concen: 41.109 ng

RT: 7.133 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

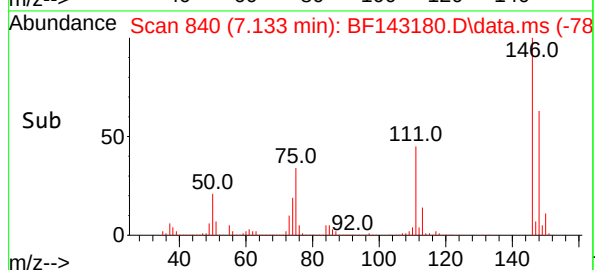
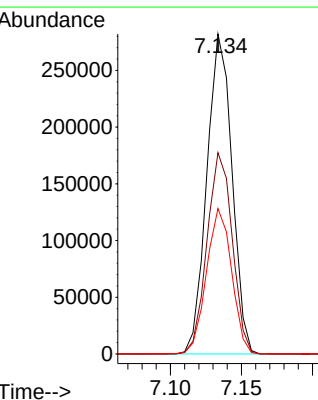
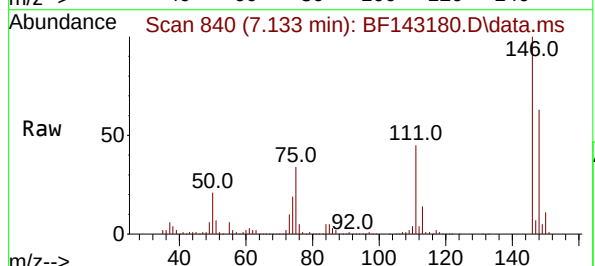
Tgt Ion:146 Resp: 347469

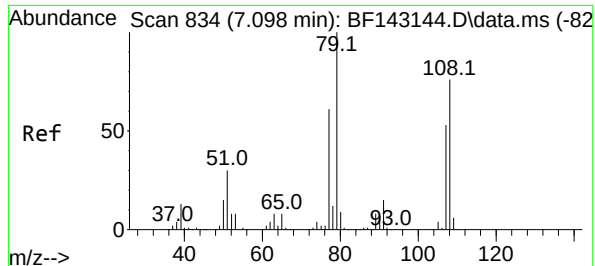
Ion Ratio Lower Upper

146 100

148 62.9 50.7 76.1

111 45.5 36.6 54.8





#15

Benzyl Alcohol

Concen: 44.474 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion: 79 Resp: 331244

Ion Ratio Lower Upper

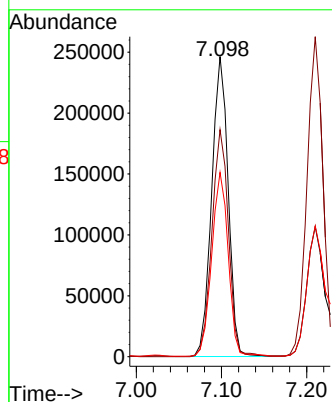
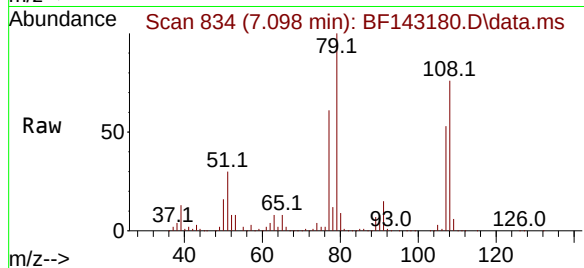
79 100

108 75.6 61.1 91.7

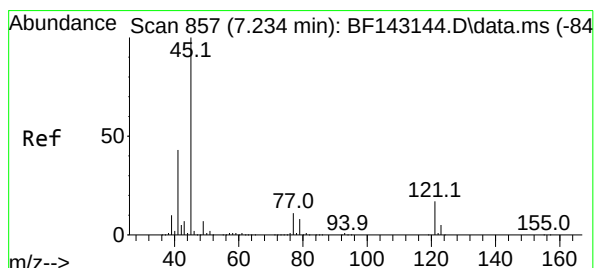
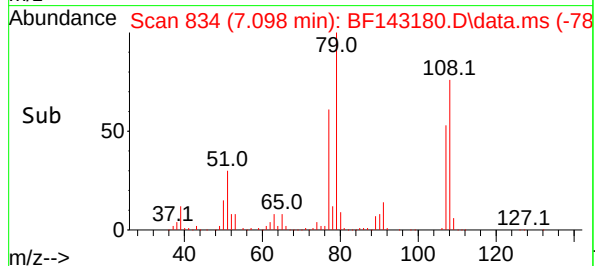
77 61.4 48.9 73.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.381 ng

RT: 7.234 min Scan# 857

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

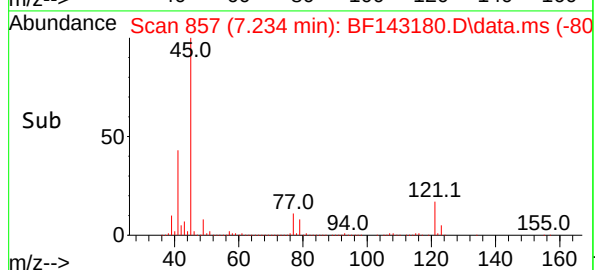
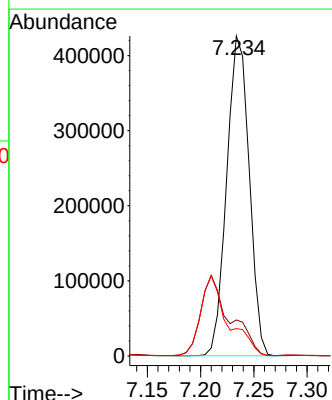
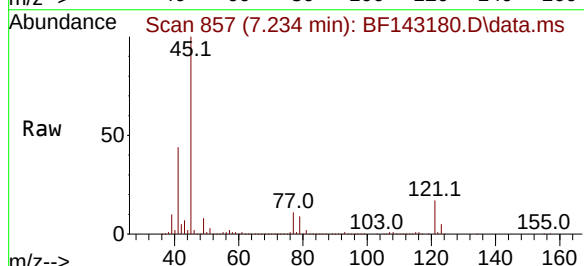
Tgt Ion: 45 Resp: 624571

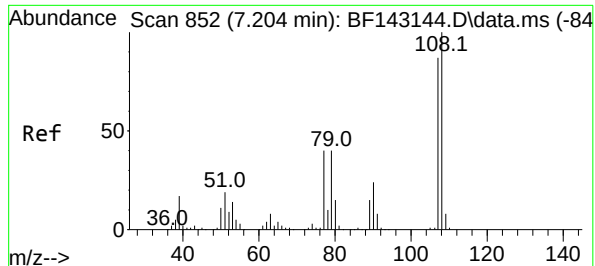
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

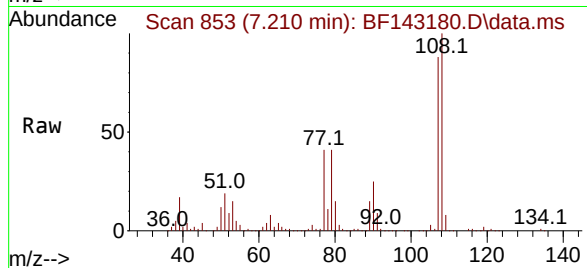
79 8.6 0.0 28.5





#17
2-Methylphenol
Concen: 43.562 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

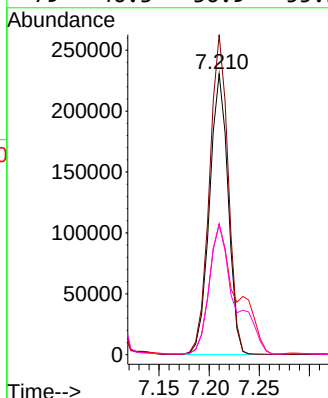
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:107 Resp: 297538
Ion Ratio Lower Upper
107 100
108 113.9 91.8 137.6
77 46.6 37.0 55.6
79 46.3 36.9 55.3

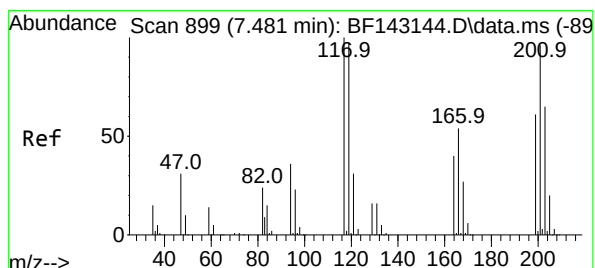
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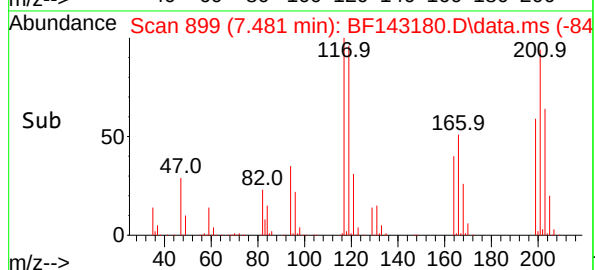
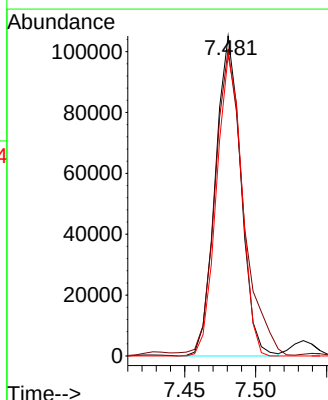
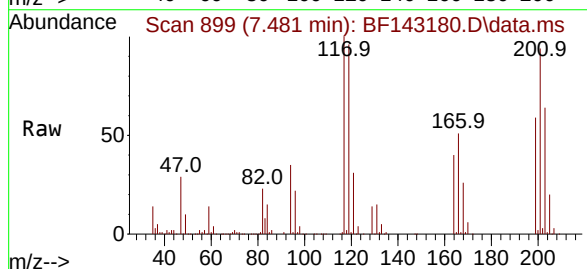
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Upadhyay

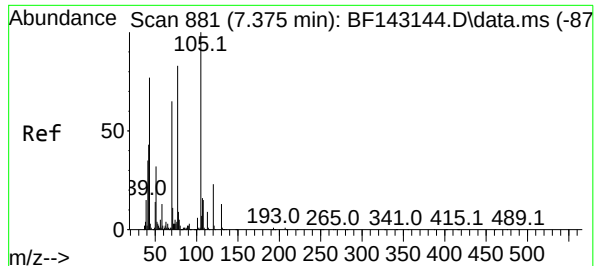
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#18
Hexachloroethane
Concen: 42.743 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:117 Resp: 131497
Ion Ratio Lower Upper
117 100
119 95.8 77.8 116.8
201 94.0 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 41.072 ng

RT: 7.369 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion: 70 Resp: 25703

Ion Ratio Lower Upper

70 100

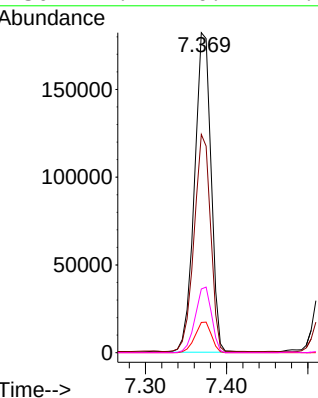
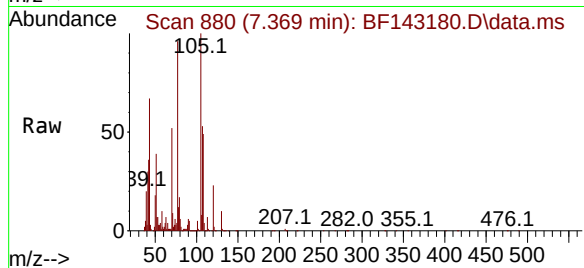
42 68.2 52.5 78.7

101 9.5 7.6 11.4

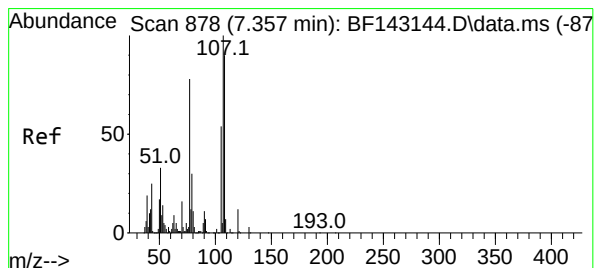
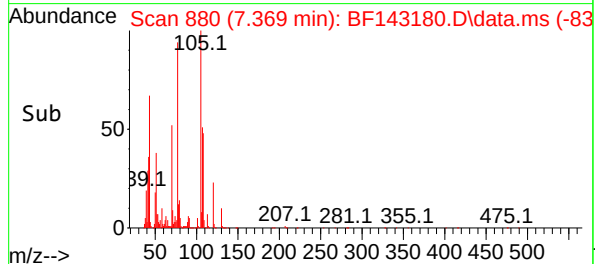
130 19.9 16.1 24.1

Manual Integrations

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Reviewed By :Rahul
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Supervised By :Jagrut
Upadhyay

07/23/2025



#20

3+4-Methylphenols

Concen: 44.321 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Tgt Ion:107 Resp: 367283

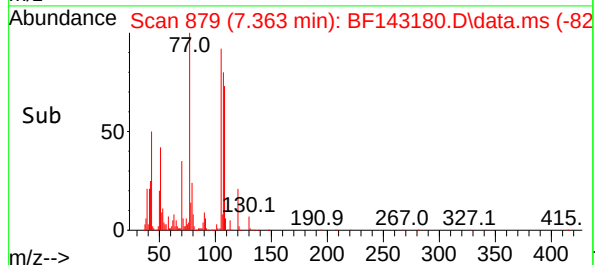
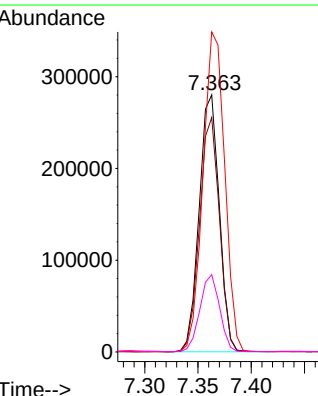
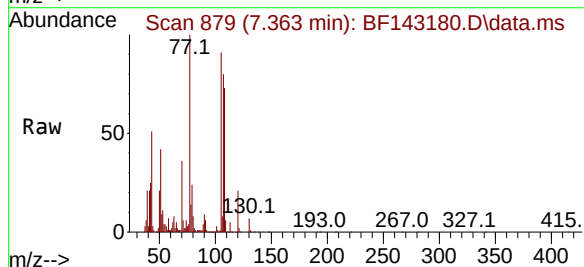
Ion Ratio Lower Upper

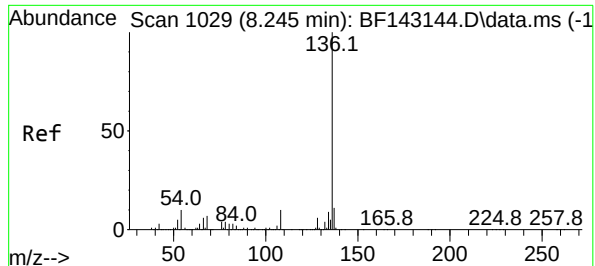
107 100

108 91.2 70.0 110.0

77 124.5 57.8 97.8#

79 30.1 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. 0.000 min

Lab File: BF143180.D

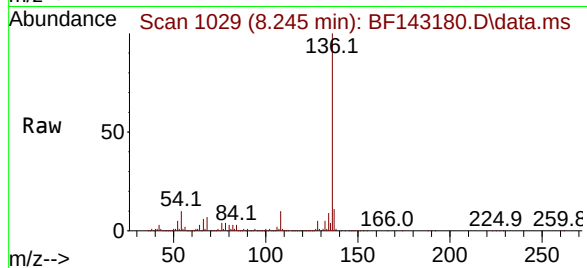
Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS



Tgt Ion:136 Resp: 483164

Ion Ratio Lower Upper

136 100

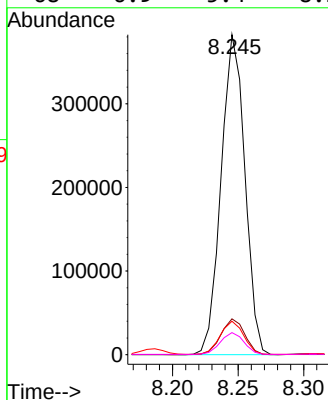
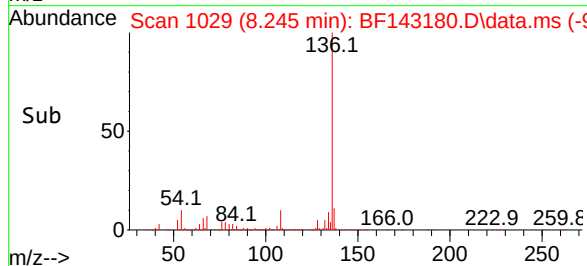
137 11.2 8.6 13.0

54 10.4 8.2 12.2

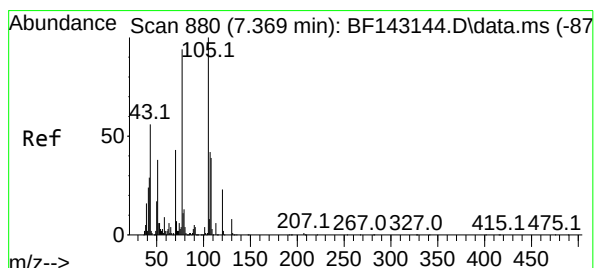
68 6.9 5.4 8.2

Manual Integrations

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Reviewed By :Rahul
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#22

Acetophenone

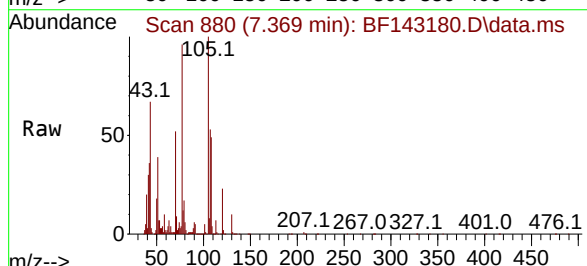
Concen: 41.385 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26



Tgt Ion:105 Resp: 473405

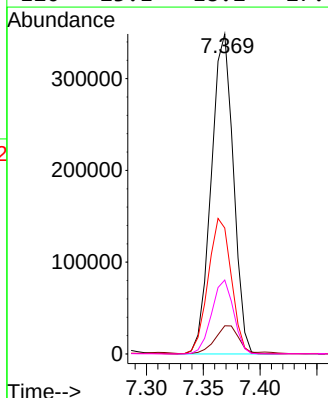
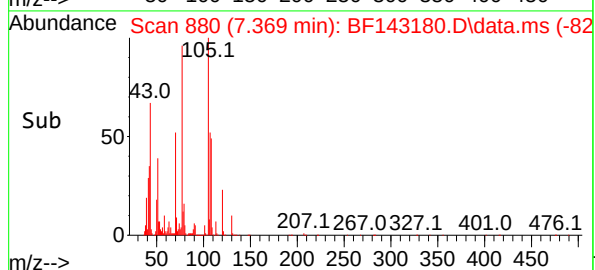
Ion Ratio Lower Upper

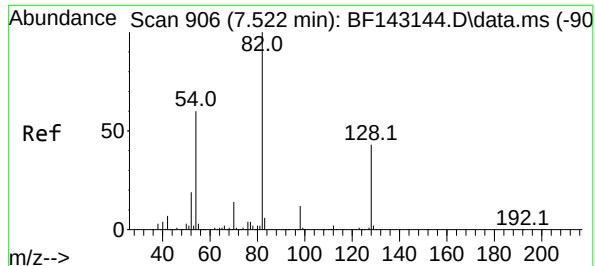
105 100

71 8.8 5.8 8.6

51 39.4 30.2 45.2

120 23.1 18.2 27.4





#23

Nitrobenzene-d5

Concen: 56.483 ng

RT: 7.522 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion: 82 Resp: 547489

Ion Ratio Lower Upper

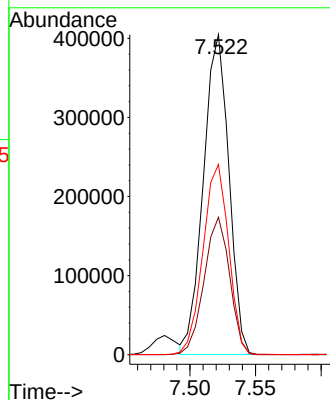
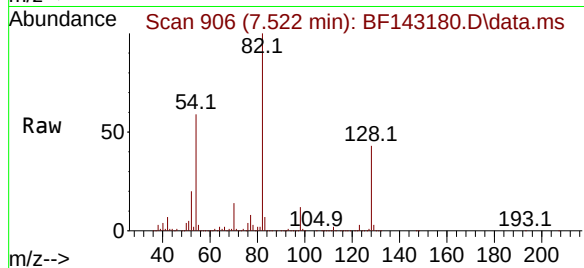
82 100

128 42.9 33.6 50.4

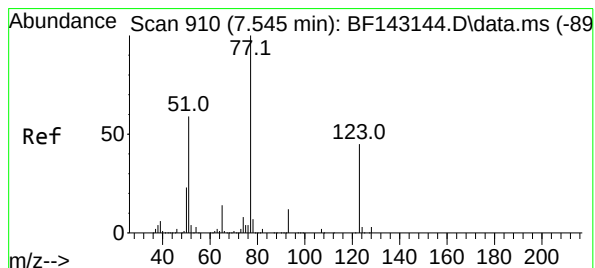
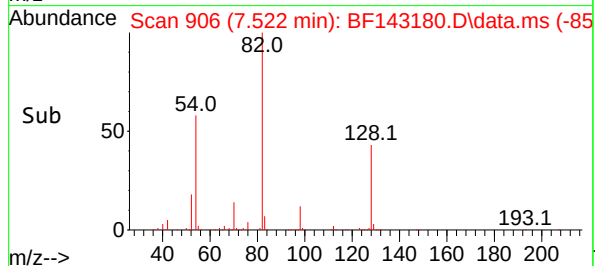
54 59.5 47.1 70.7

Manual Integrations

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#24

Nitrobenzene

Concen: 43.571 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

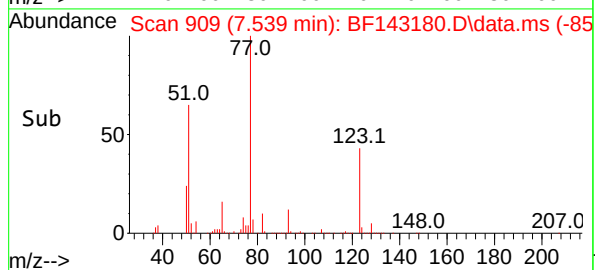
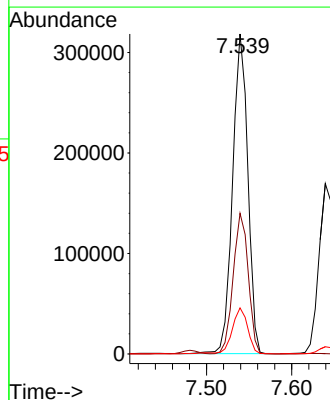
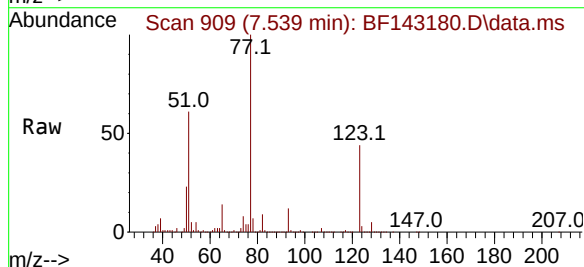
Tgt Ion: 77 Resp: 393741

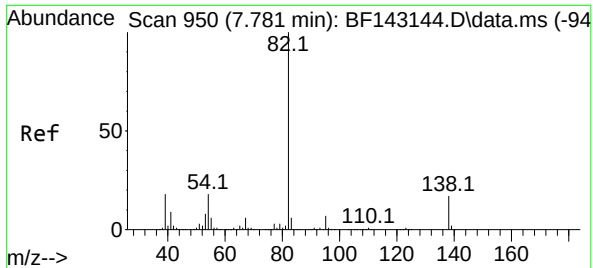
Ion Ratio Lower Upper

77 100

123 44.0 36.1 54.1

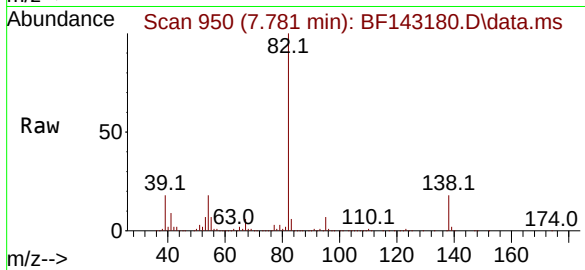
65 14.4 11.4 17.2





#25
Isophorone
Concen: 42.240 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

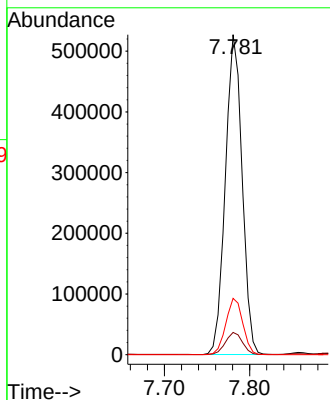
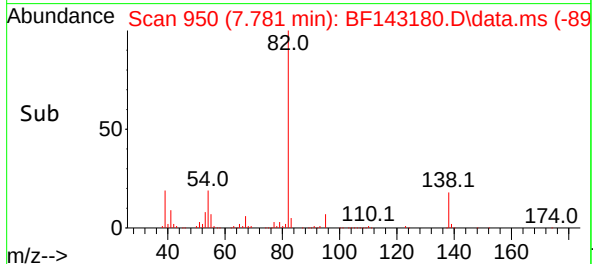
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion: 82 Resp: 722769
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.6 13.8 20.8

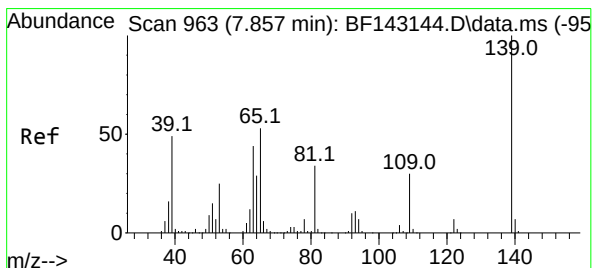
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Chavli



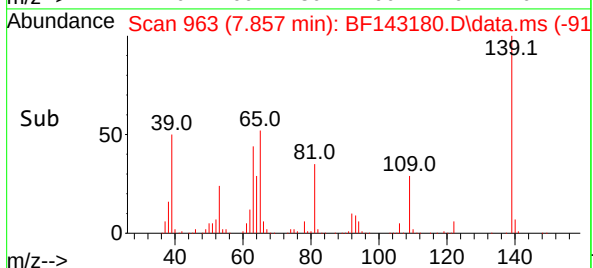
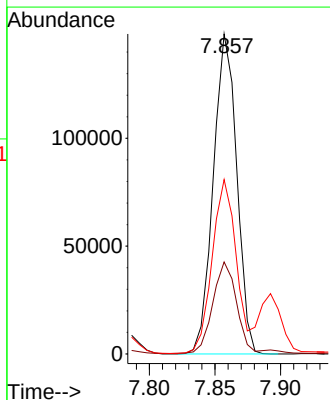
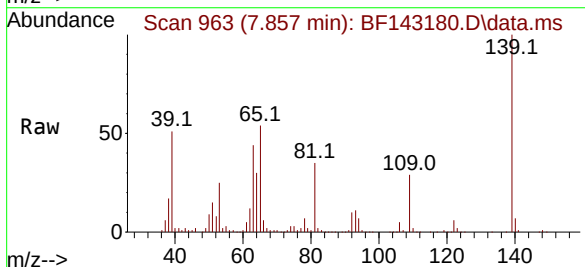
07/23/2025
Supervised By :Jagrut
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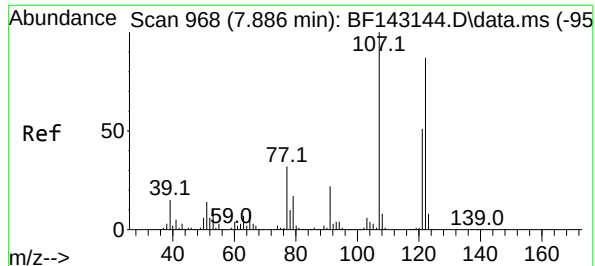
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#26
2-Nitrophenol
Concen: 47.015 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:139 Resp: 184391
Ion Ratio Lower Upper
139 100
109 28.7 23.6 35.4
65 54.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 42.048 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:122 Resp: 33615

Ion Ratio Lower Upper

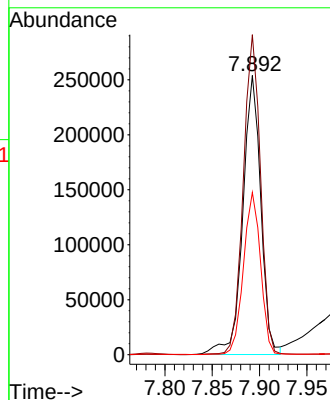
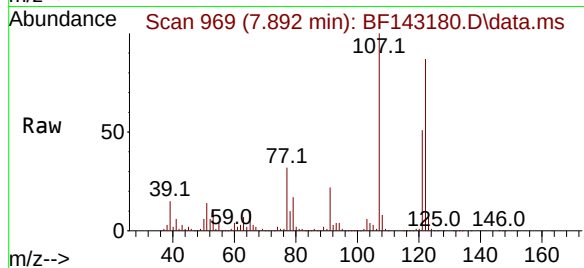
122 100

107 114.6 91.8 137.6

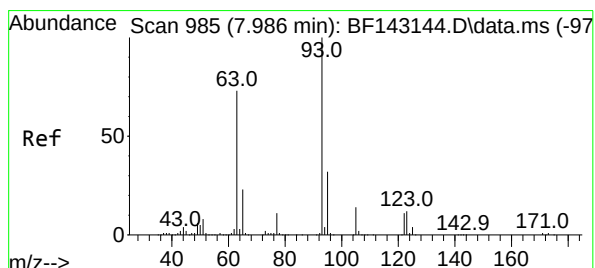
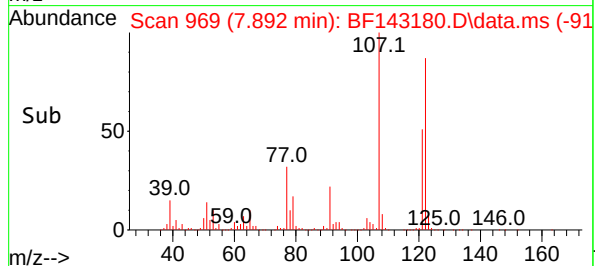
121 58.1 46.3 69.5

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#28

bis(2-Chloroethoxy)methane

Concen: 41.383 ng

RT: 7.986 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

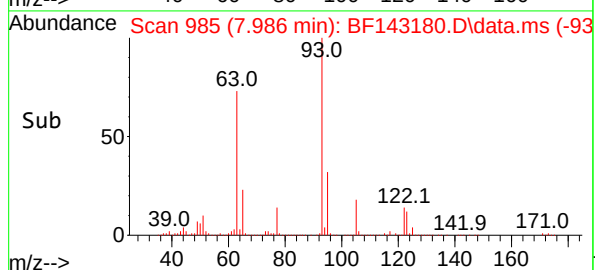
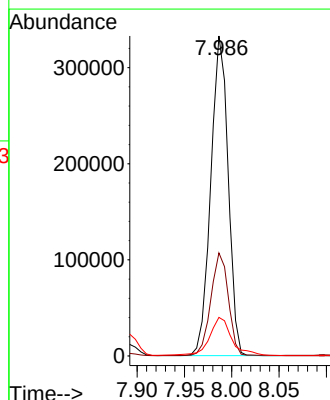
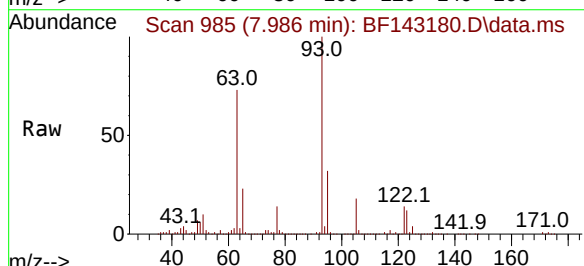
Tgt Ion: 93 Resp: 424559

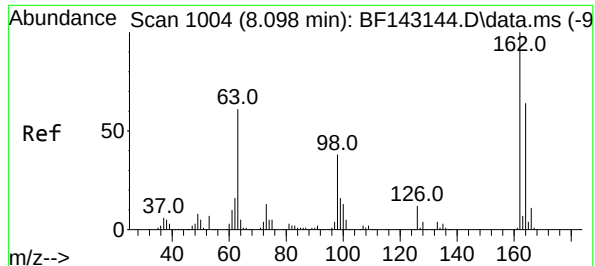
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 12.0 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 43.850 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF143180.D

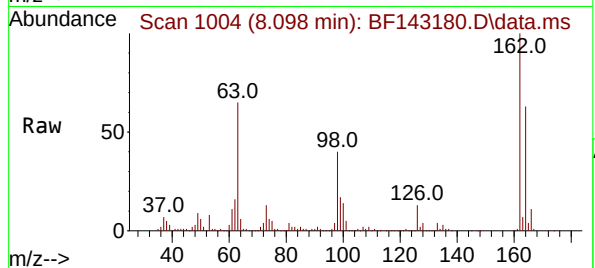
Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS



Tgt Ion:162 Resp: 295634

Ion Ratio Lower Upper

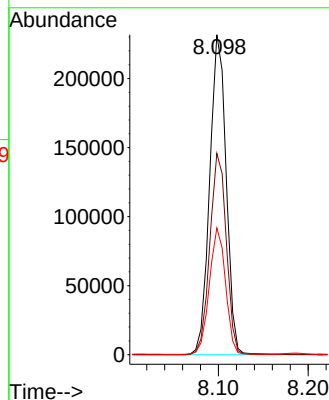
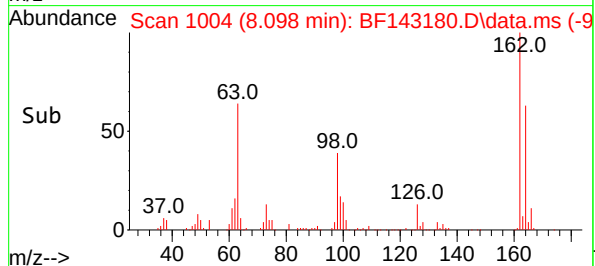
162 100

164 62.9 44.2 84.2

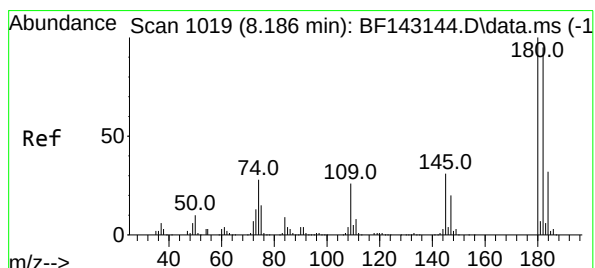
98 39.6 17.9 57.9

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#30

1,2,4-Trichlorobenzene

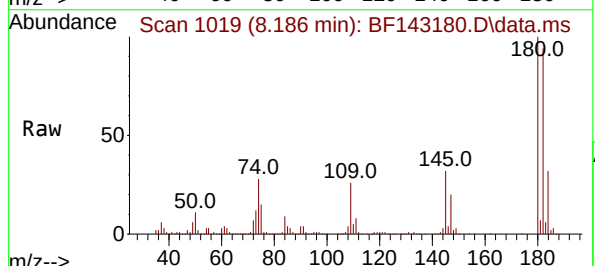
Concen: 41.233 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26



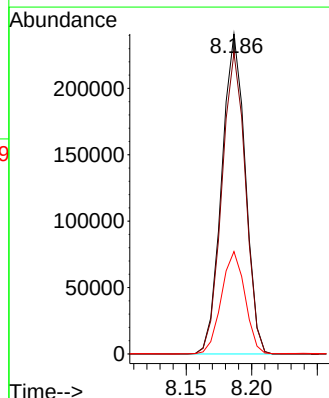
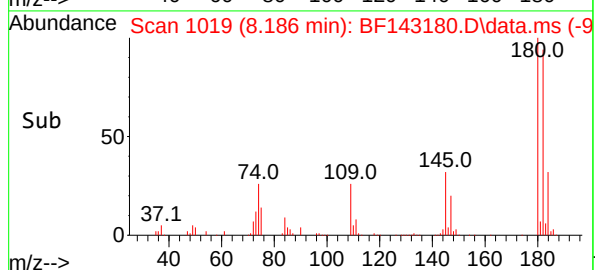
Tgt Ion:180 Resp: 300326

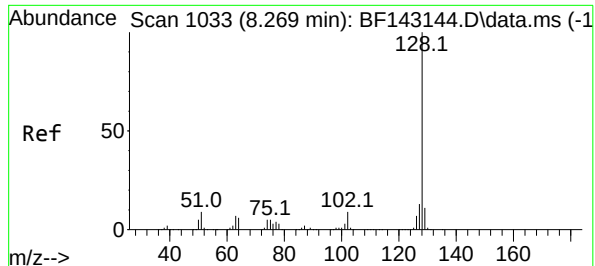
Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 32.0 25.0 37.6





#31

Naphthalene

Concen: 43.865 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:128 Resp: 104376

Ion Ratio Lower Upper

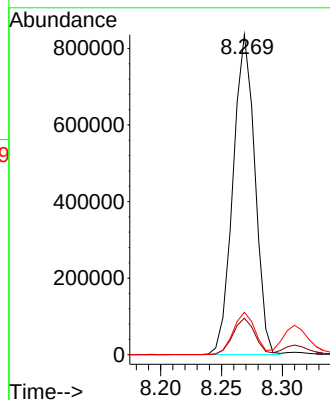
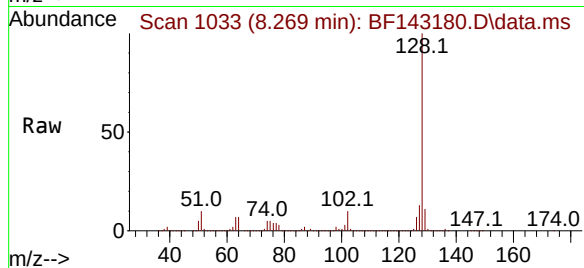
128 100

129 11.4 9.0 13.4

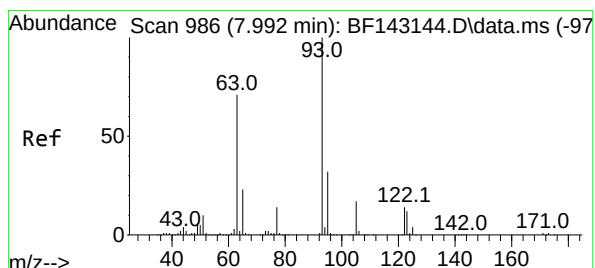
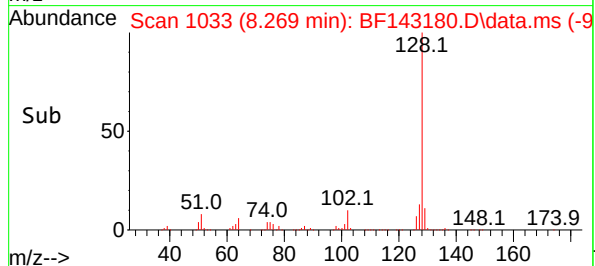
127 13.3 10.6 16.0

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Upadhyay

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#32

Benzoic acid

Concen: 53.176 ng

RT: 8.010 min Scan# 989

Delta R.T. 0.018 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

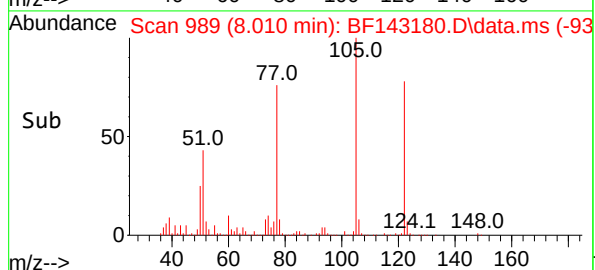
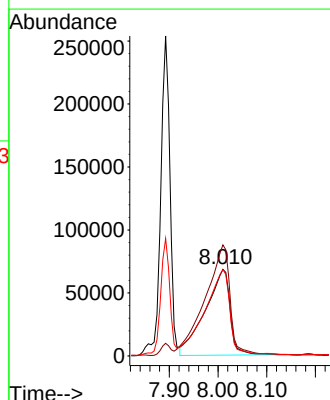
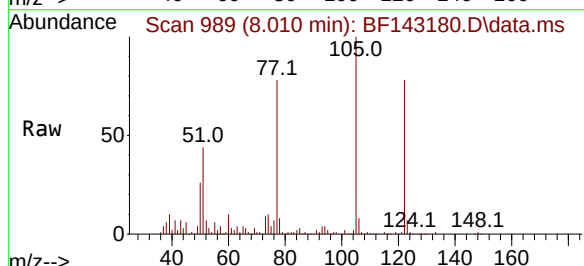
Tgt Ion:122 Resp: 242290

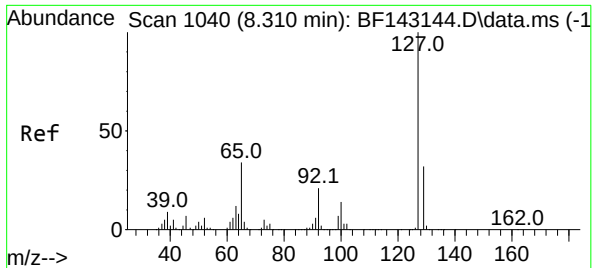
Ion Ratio Lower Upper

122 100

105 128.2 104.8 144.8

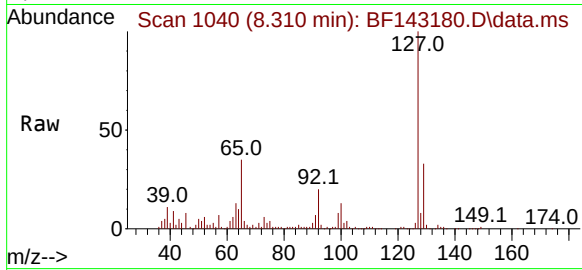
77 99.9 77.6 117.6





#33
4-Chloroaniline
Concen: 11.929 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

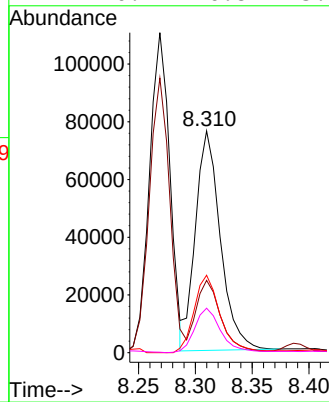
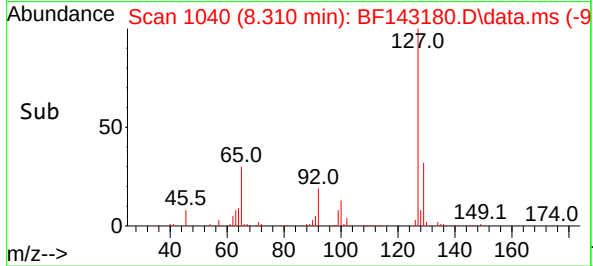
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:127 Resp: 11590
Ion Ratio Lower Upper
127 100
129 32.7 26.0 39.0
65 34.9 27.4 41.2
92 20.1 16.8 25.2

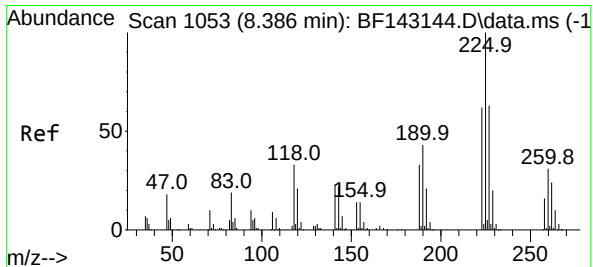
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Chavli



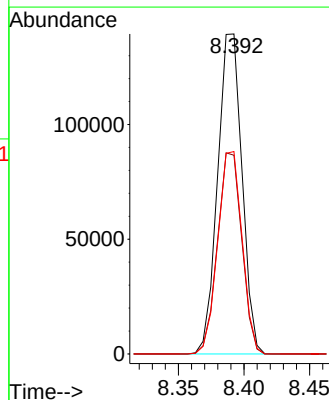
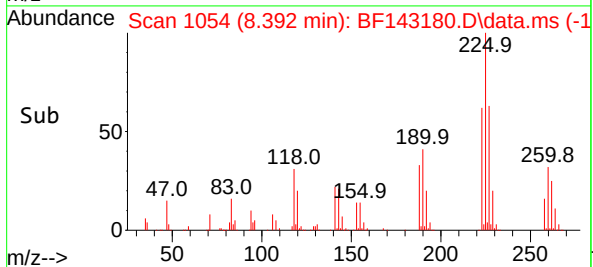
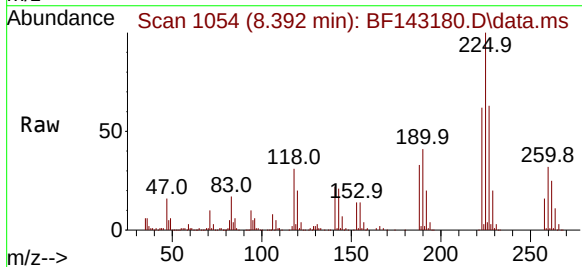
07/23/2025
Supervised By :Jagrut
Upadhyay

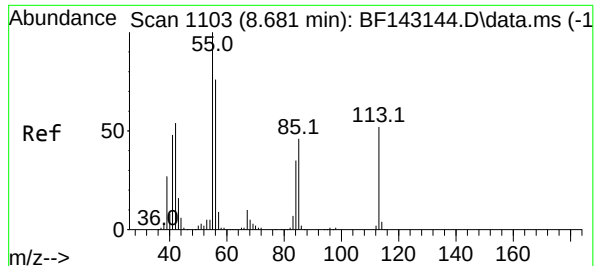
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#34
Hexachlorobutadiene
Concen: 40.506 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:225 Resp: 180230
Ion Ratio Lower Upper
225 100
223 62.1 49.8 74.6
227 63.3 50.2 75.4





#35

Caprolactam

Concen: 54.796 ng

RT: 8.680 min Scan# 1103

Delta R.T. -0.000 min

Lab File: BF143180.D

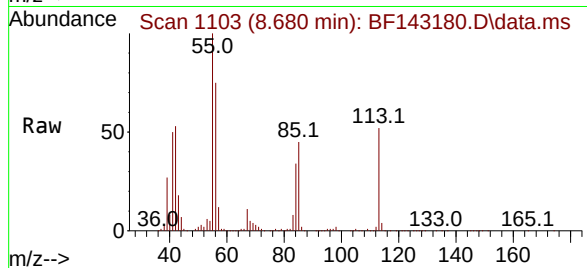
Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS



Tgt Ion:113 Resp: 11163

Ion Ratio Lower Upper

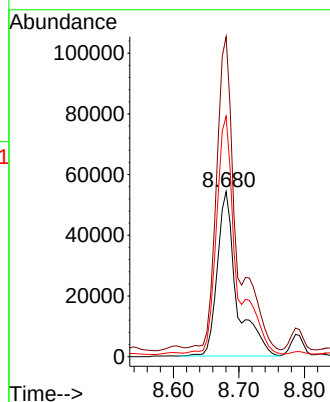
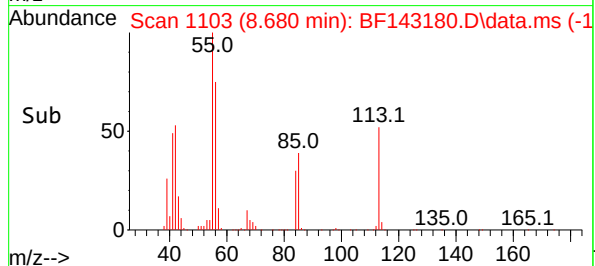
113 100

55 193.9 174.0 214.0

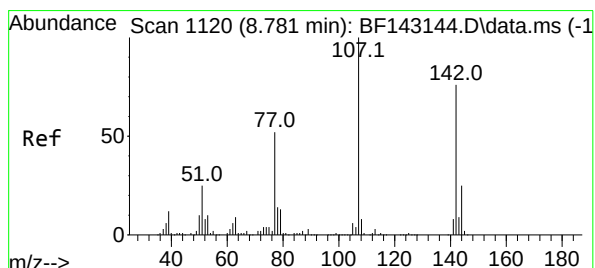
56 145.7 126.6 166.6

Manual Integrations

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Upadhyay

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#36

4-Chloro-3-methylphenol

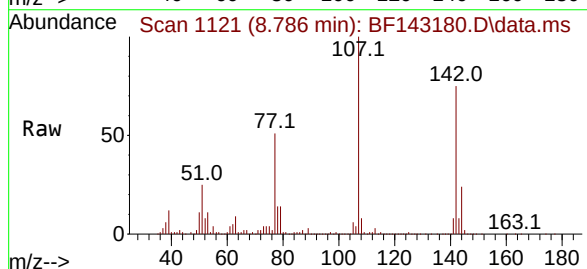
Concen: 46.079 ng

RT: 8.786 min Scan# 1121

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26



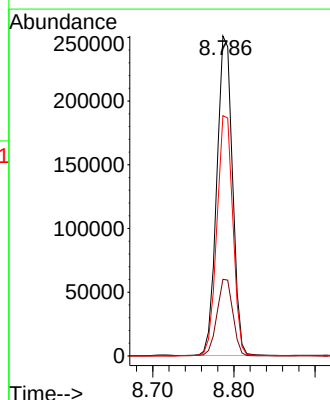
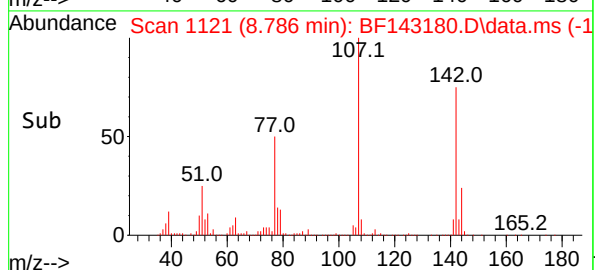
Tgt Ion:107 Resp: 337664

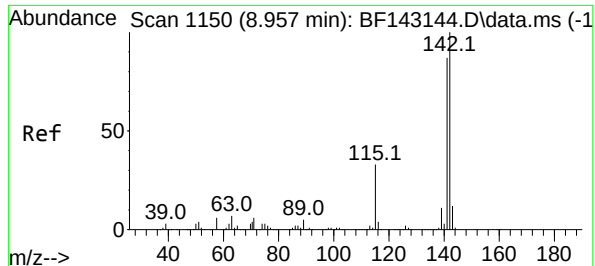
Ion Ratio Lower Upper

107 100

144 23.9 19.8 29.6

142 75.1 60.6 90.8





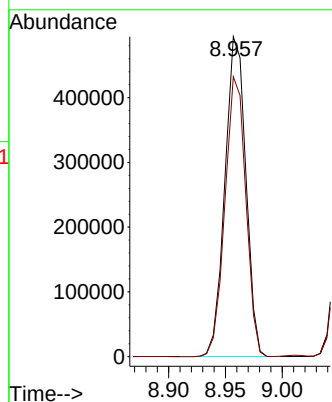
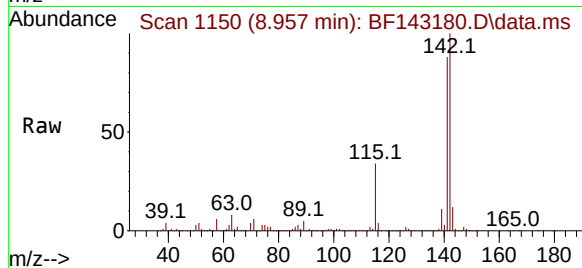
#37
2-Methylnaphthalene
Concen: 43.689 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Instrument :
BNA_F
ClientSampleId :
RT2286MS

Tgt Ion:142 Resp: 632609
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

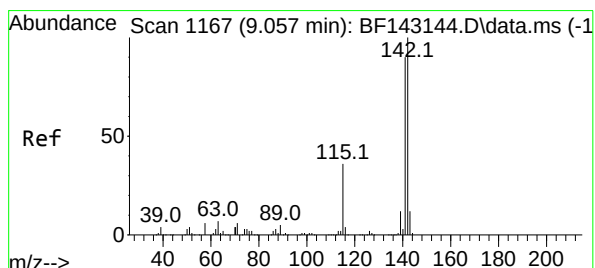
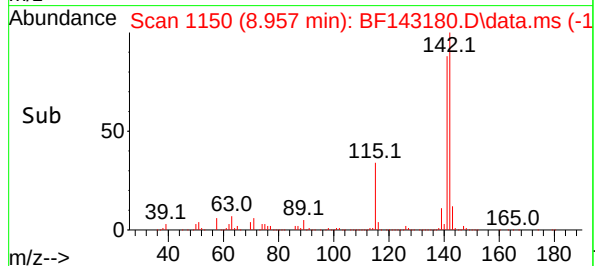
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Reviewed By :Rahul
Chavli



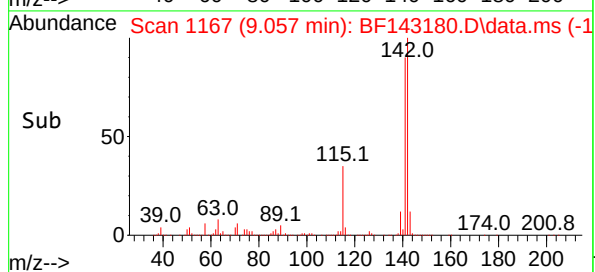
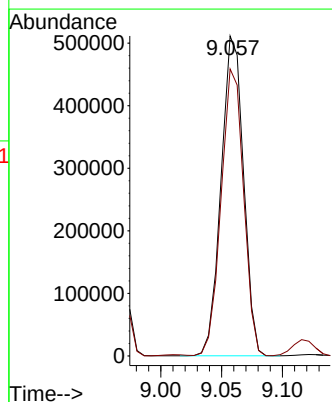
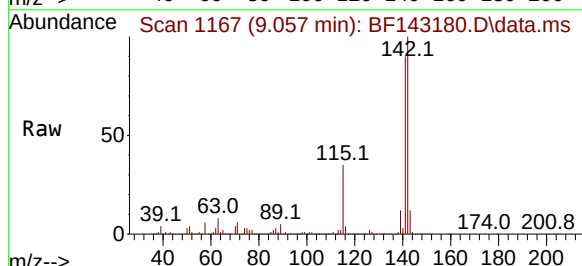
07/23/2025
Supervised By :Jagrut
Upadhyay

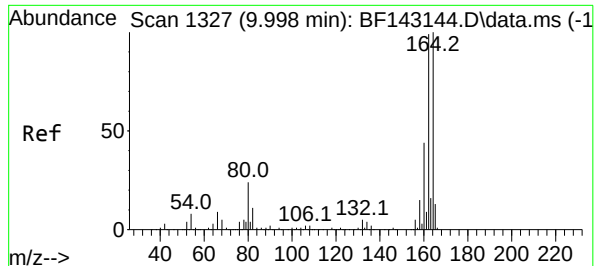
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#38
1-Methylnaphthalene
Concen: 43.913 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:142 Resp: 654760
Ion Ratio Lower Upper
142 100
141 89.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:164 Resp: 258898

Ion Ratio Lower Upper

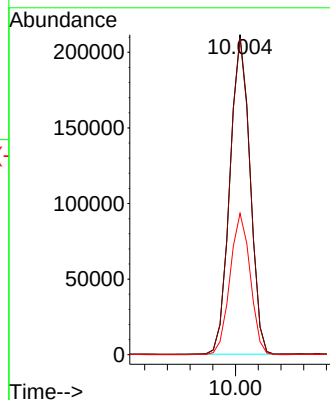
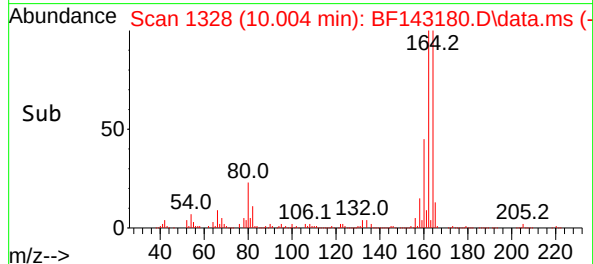
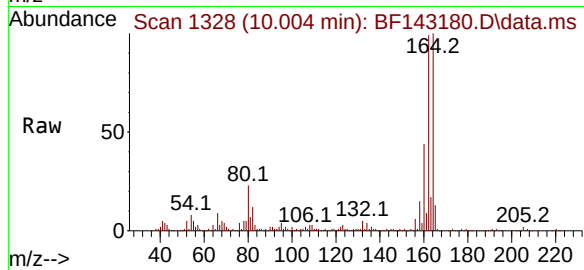
164 100

162 99.0 79.0 118.6

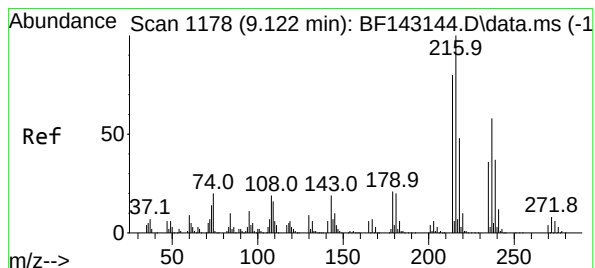
160 44.2 35.1 52.7

Manual Integrations

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Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.101 ng

RT: 9.127 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Tgt Ion:216 Resp: 307216

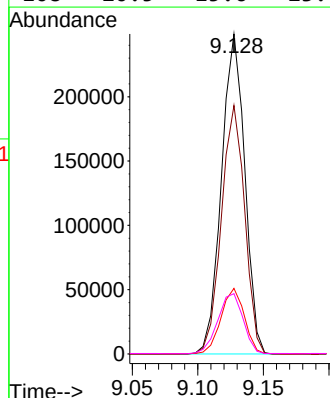
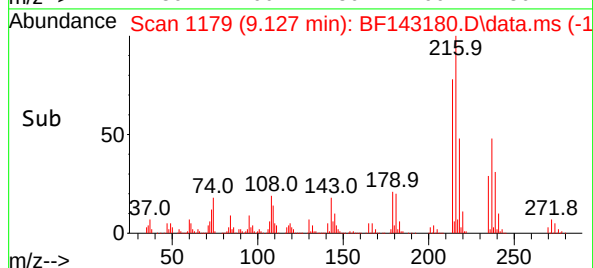
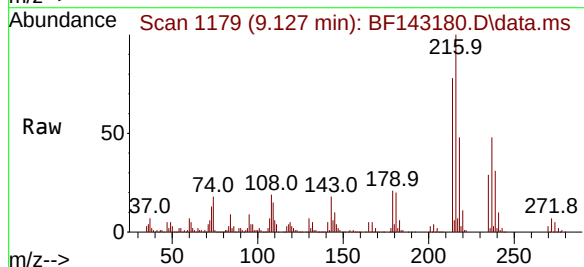
Ion Ratio Lower Upper

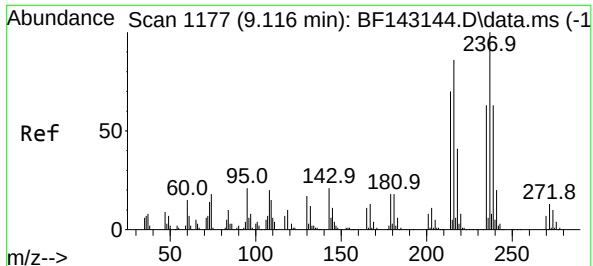
216 100

214 77.5 63.8 95.8

179 20.6 16.4 24.6

108 20.5 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 55.342 ng

RT: 9.116 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:237 Resp: 269158

Ion Ratio Lower Upper

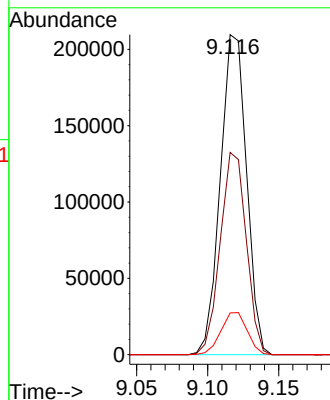
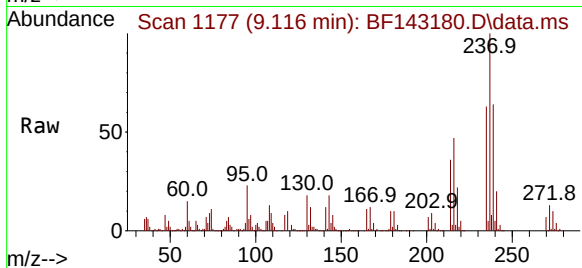
237 100

235 63.2 43.0 83.0

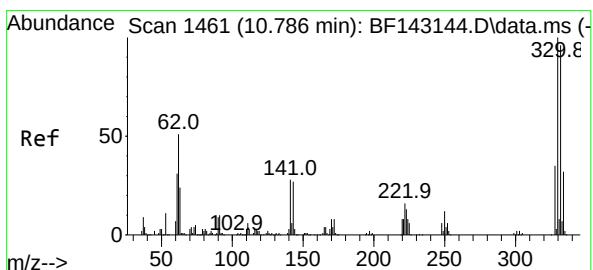
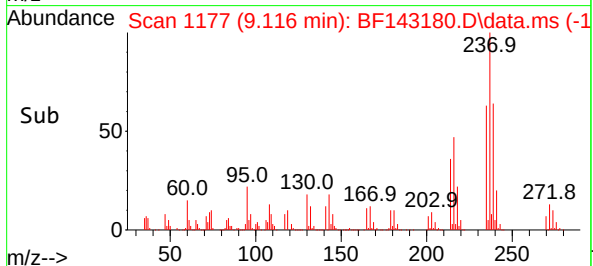
272 13.1 0.0 33.3

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Upadhyay

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#42

2,4,6-Tribromophenol

Concen: 91.952 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

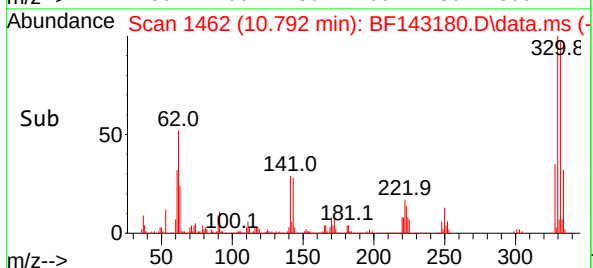
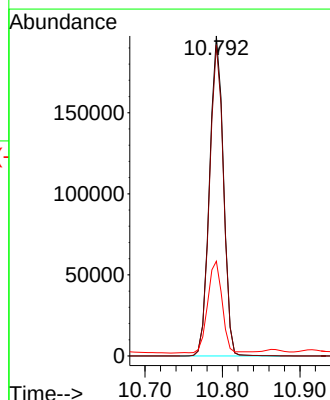
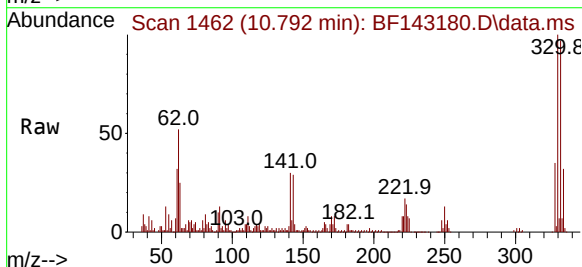
Tgt Ion:330 Resp: 245931

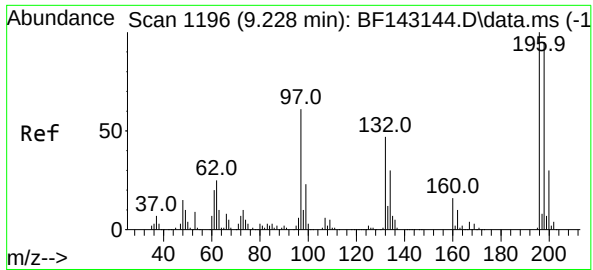
Ion Ratio Lower Upper

330 100

332 97.4 76.7 115.1

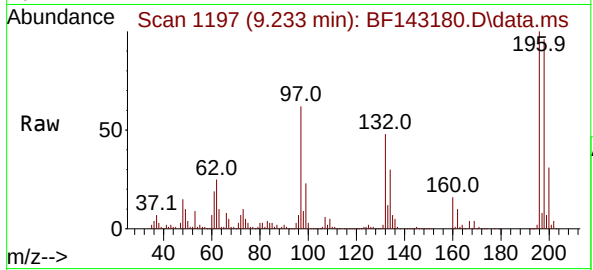
141 29.7 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 43.631 ng
RT: 9.233 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

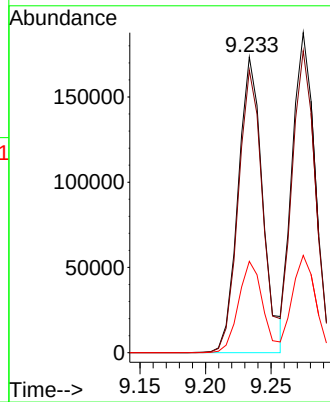
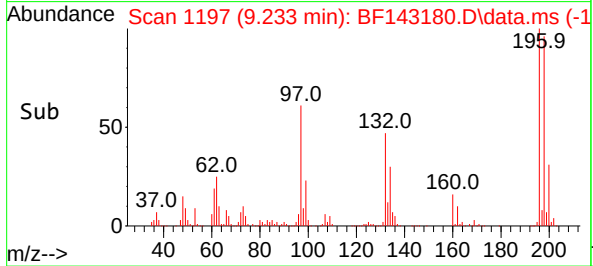
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:196 Resp: 225700
Ion Ratio Lower Upper
196 100
198 95.6 76.2 114.2
200 30.9 23.9 35.9

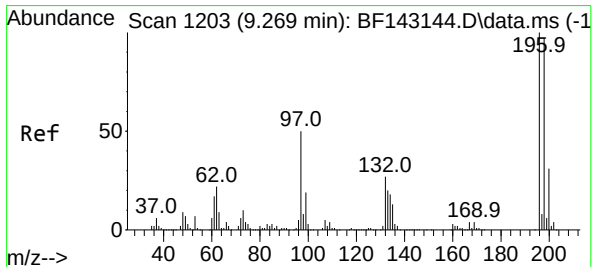
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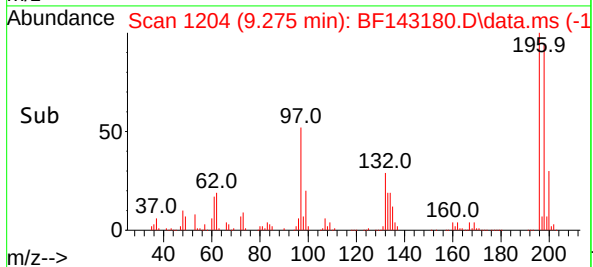
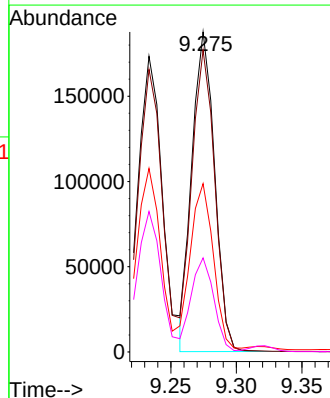
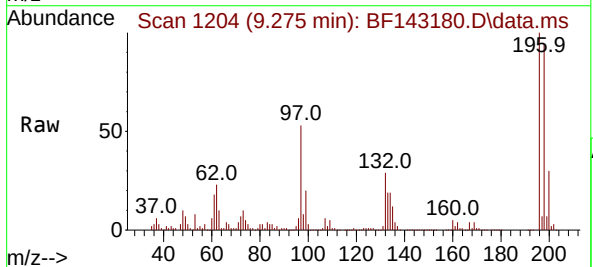
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Upadhyay

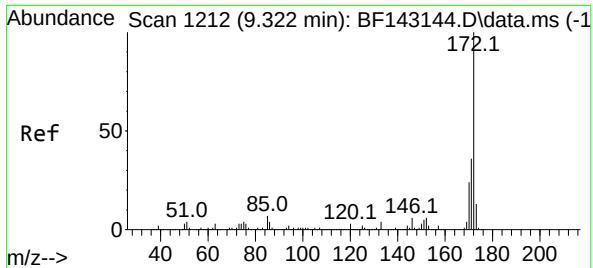
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#44
2,4,5-Trichlorophenol
Concen: 43.678 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:196 Resp: 226021
Ion Ratio Lower Upper
196 100
198 94.3 77.3 115.9
97 52.6 40.3 60.5
132 29.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 51.991 ng

RT: 9.322 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:172 Resp: 98422

Ion Ratio Lower Upper

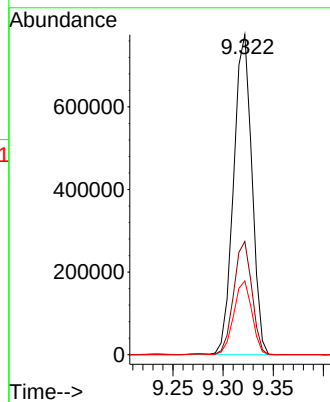
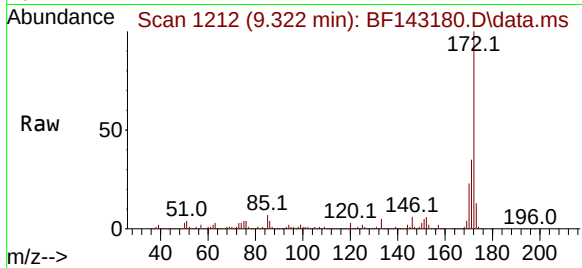
172 100

171 35.4 28.6 42.8

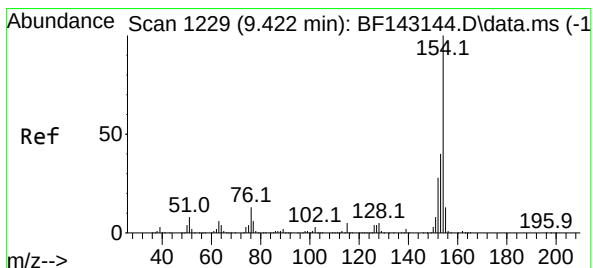
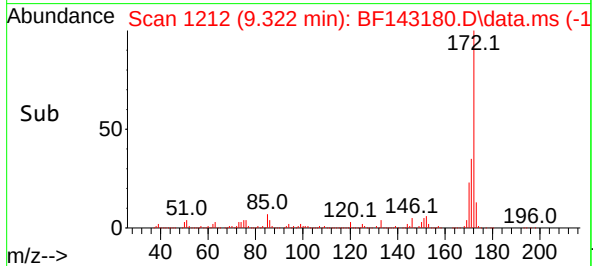
170 23.0 18.8 28.2

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Upadhyay

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#46

1,1'-Biphenyl

Concen: 41.871 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

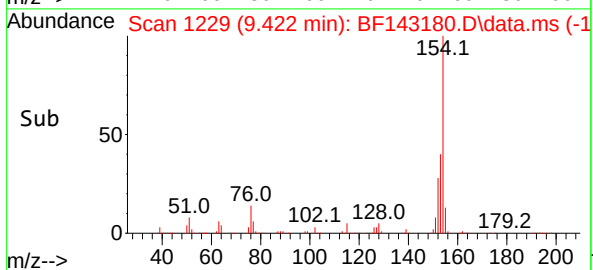
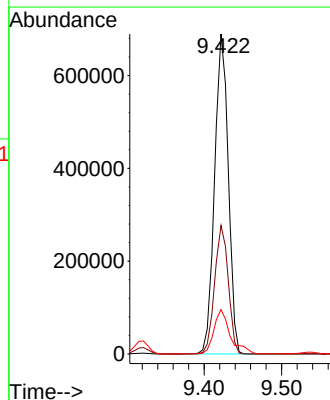
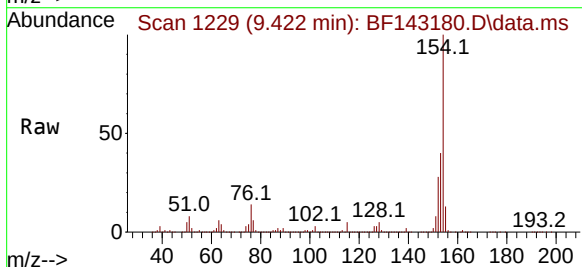
Tgt Ion:154 Resp: 845751

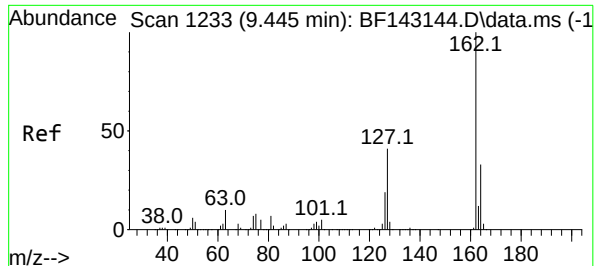
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.9 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.652 ng

RT: 9.445 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:162 Resp: 622529

Ion Ratio Lower Upper

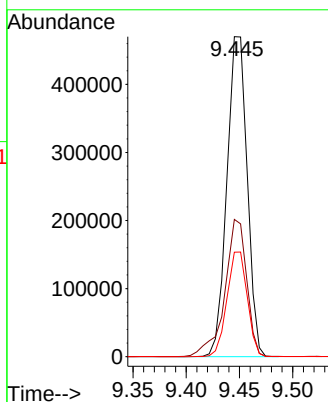
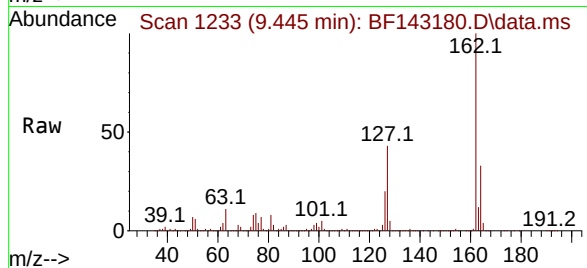
162 100

127 42.9 33.4 50.2

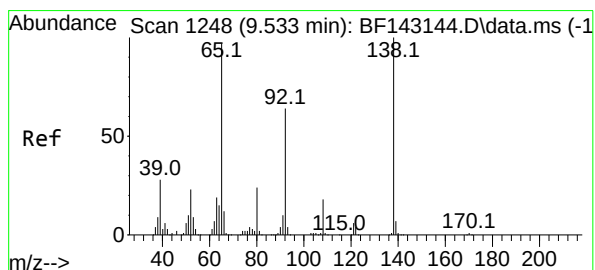
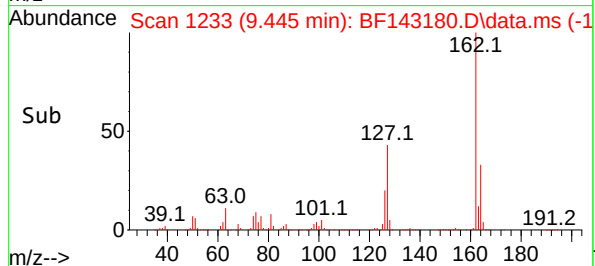
164 32.7 26.2 39.2

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Upadhyay

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#48

2-Nitroaniline

Concen: 48.685 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

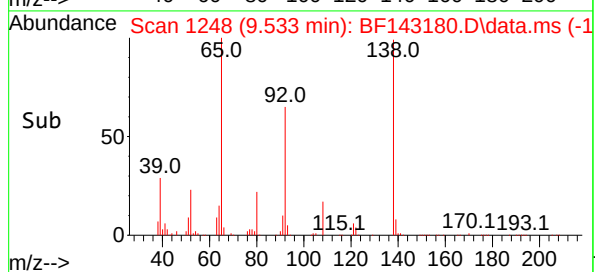
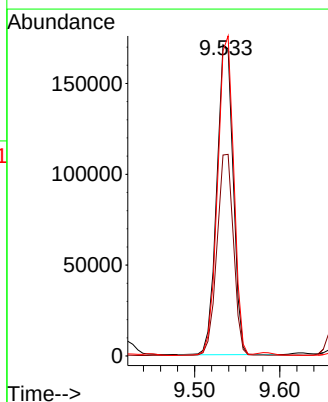
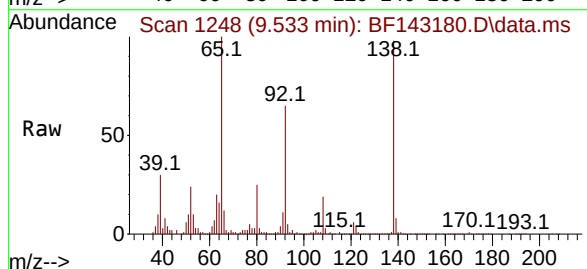
Tgt Ion: 65 Resp: 228188

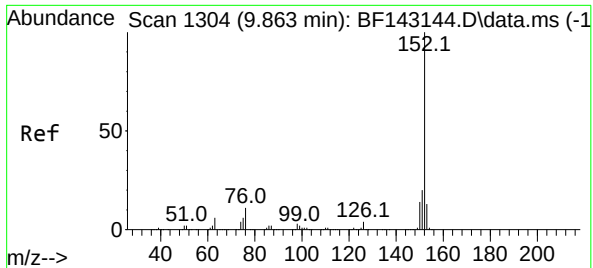
Ion Ratio Lower Upper

65 100

92 64.6 52.4 78.6

138 98.0 82.3 123.5





#49

Acenaphthylene

Concen: 42.895 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:152 Resp: 1074389

Ion Ratio Lower Upper

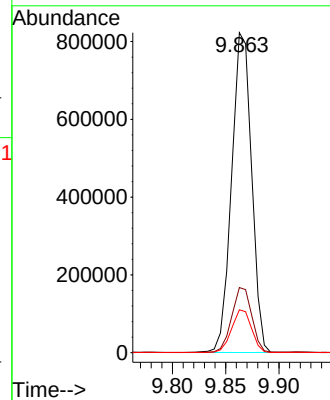
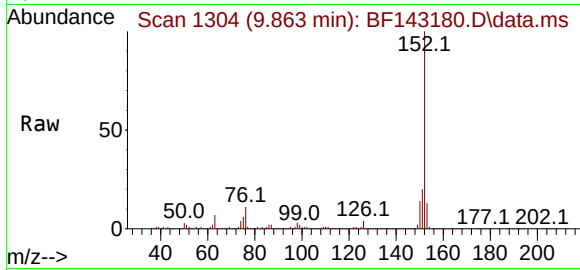
152 100

151 20.3 16.2 24.2

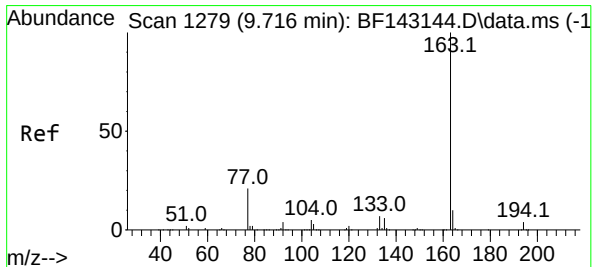
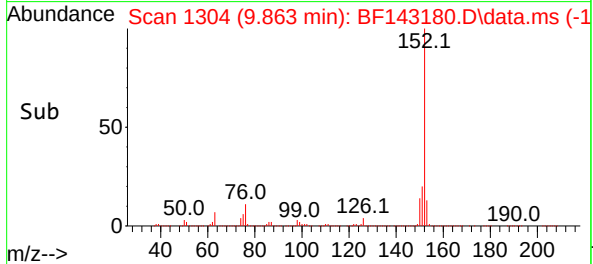
153 13.4 10.6 16.0

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Chavli07/23/2025
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Upadhyay

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#50

Dimethylphthalate

Concen: 43.820 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

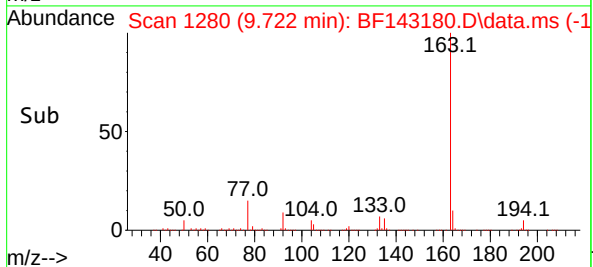
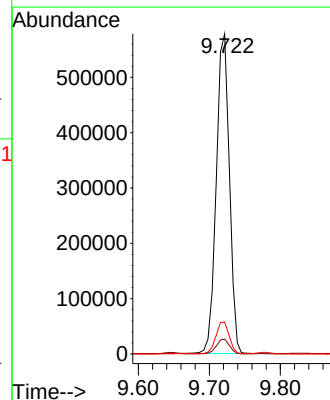
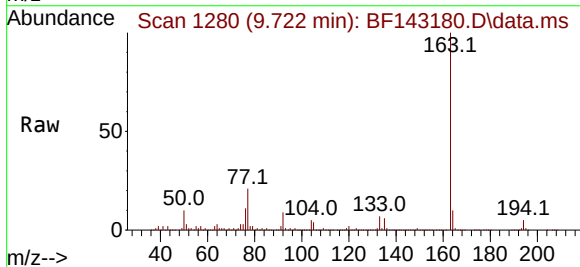
Tgt Ion:163 Resp: 739486

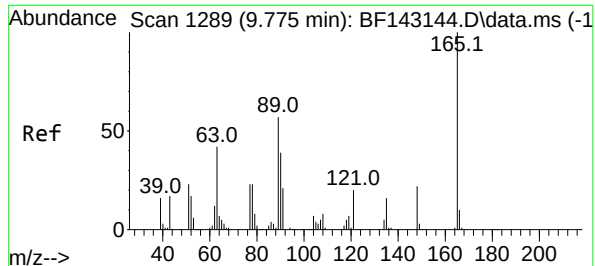
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

164 10.0 8.3 12.5





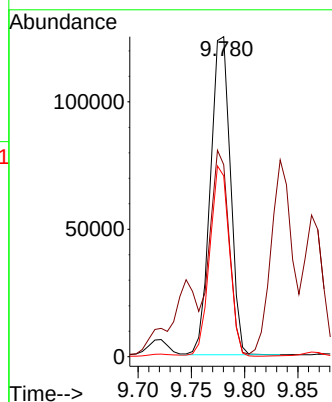
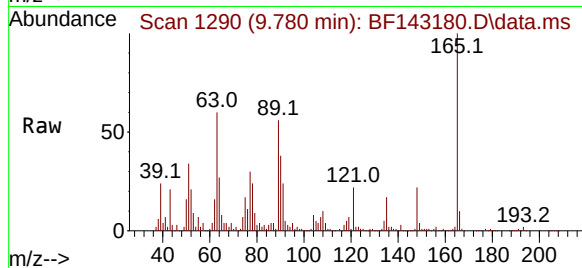
#51
2,6-Dinitrotoluene
Concen: 47.374 ng
RT: 9.780 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Instrument :
BNA_F
ClientSampleId :
RT2286MS

Tgt Ion:165 Resp: 162630
Ion Ratio Lower Upper
165 100
63 60.0 49.4 74.2
89 56.5 46.2 69.2

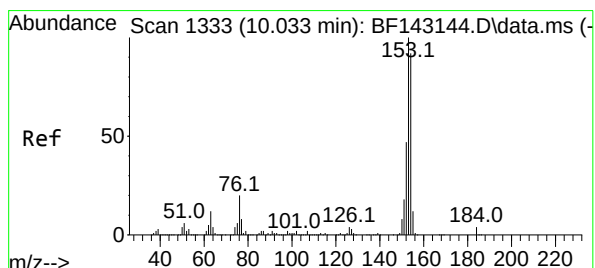
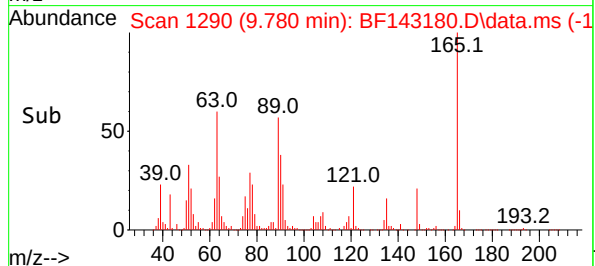
Manual Integrations
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Chavli



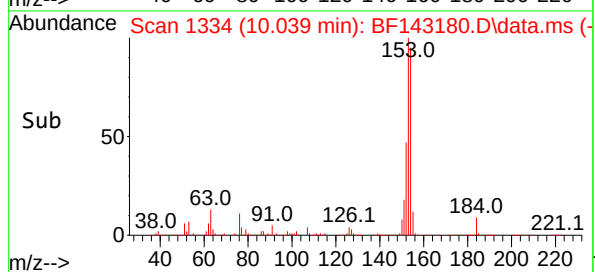
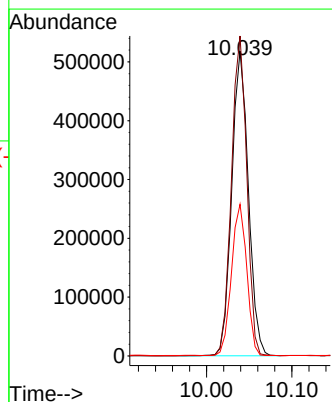
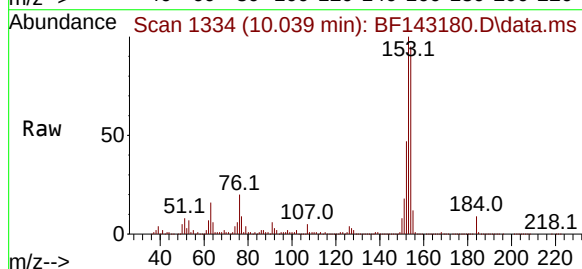
07/23/2025
Supervised By :Jagrut
Upadhyay

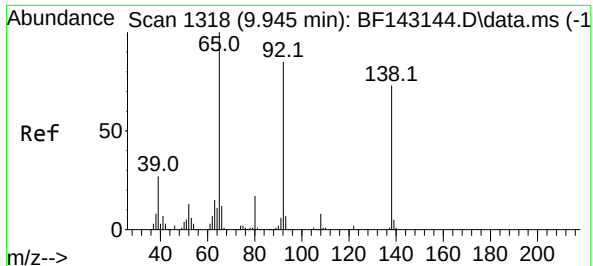
07/23/2025



#52
Acenaphthene
Concen: 47.447 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Tgt Ion:154 Resp: 702409
Ion Ratio Lower Upper
154 100
153 105.0 86.6 129.8
152 49.7 40.4 60.6





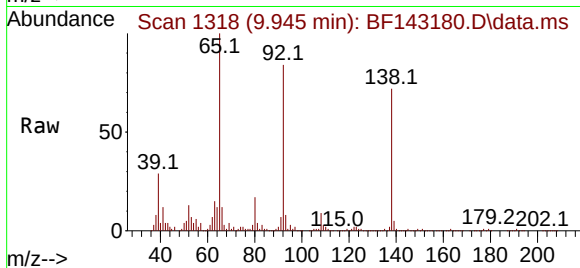
#53
3-Nitroaniline
Concen: 37.411 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

Instrument :

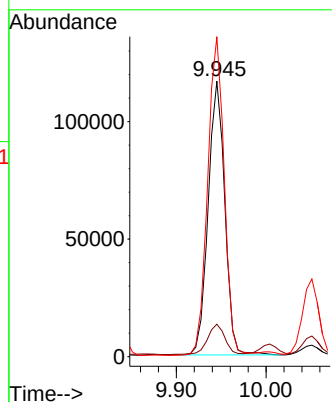
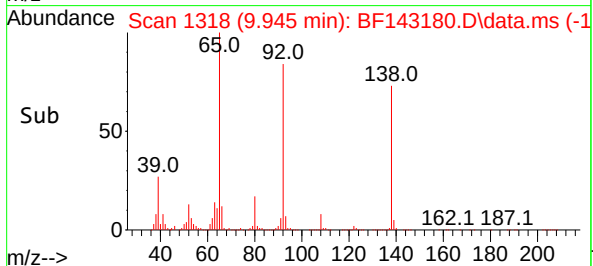
BNA_F

ClientSampleId :

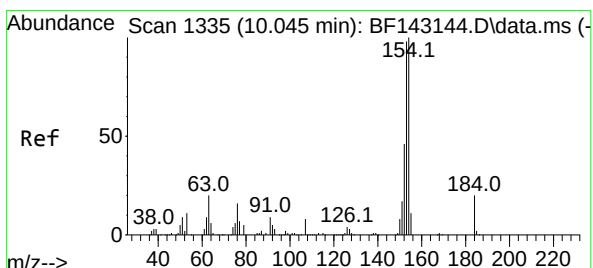
RT2286MS



Tgt Ion:138 Resp: 150223
Ion Ratio Lower Upper
138 100
108 11.8 9.0 13.6
92 116.1 93.0 139.4

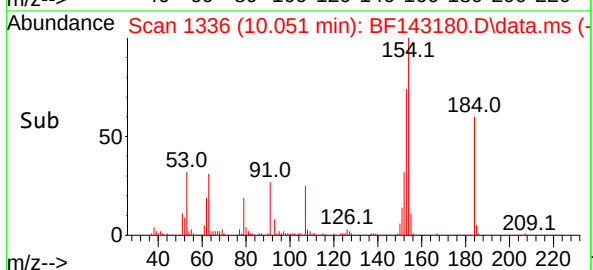
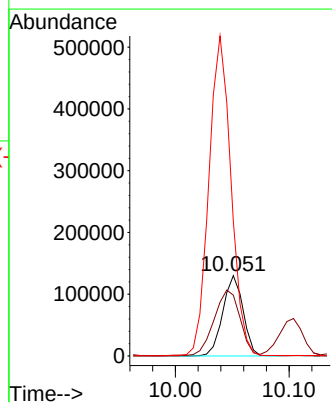
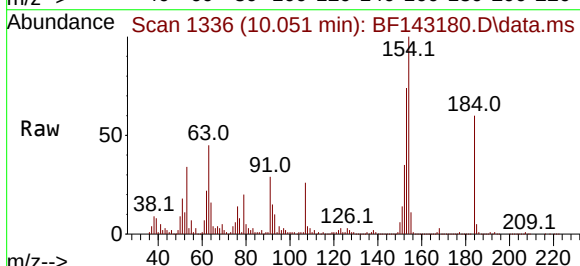
Manual Integrations
APPROVEDReviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

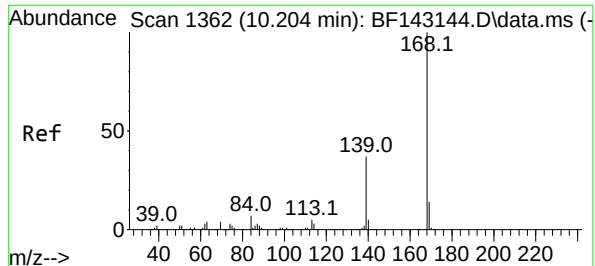
07/23/2025



#54
2,4-Dinitrophenol
Concen: 101.891 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

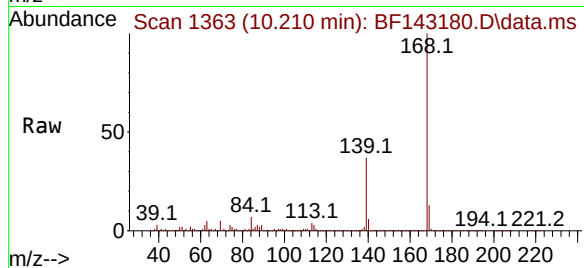
Tgt Ion:184 Resp: 161630
Ion Ratio Lower Upper
184 100
63 75.6 81.8 122.6#
154 167.8 412.2 618.4#





#55
Dibenzenofuran
Concen: 43.628 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

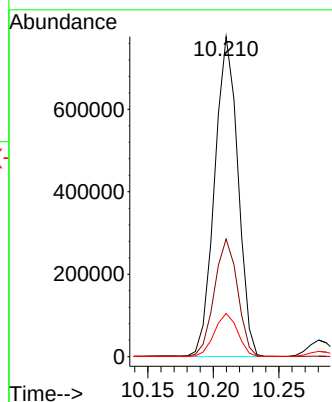
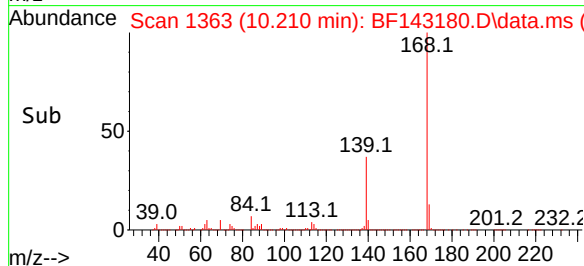
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:168 Resp: 958909
Ion Ratio Lower Upper
168 100
139 36.8 29.5 44.3
169 13.5 10.9 16.3

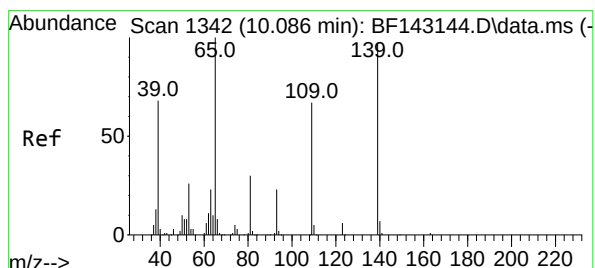
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



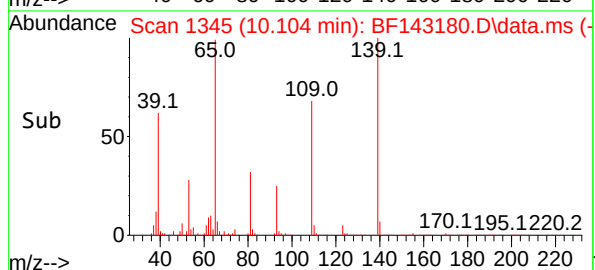
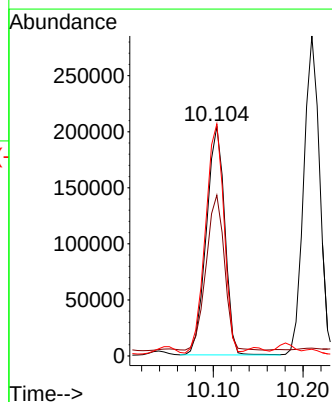
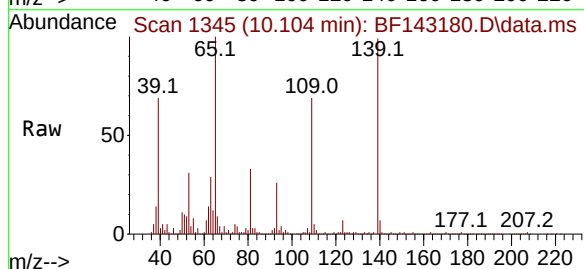
07/23/2025
Supervised By :Jagrut
Upadhyay

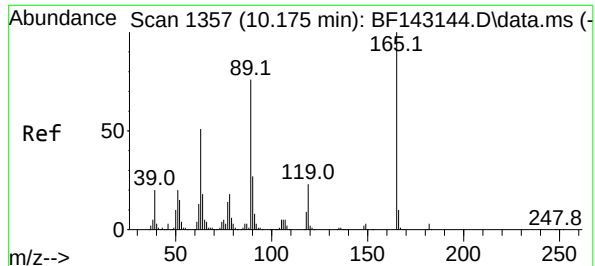
07/23/2025



#56
4-Nitrophenol
Concen: 96.784 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

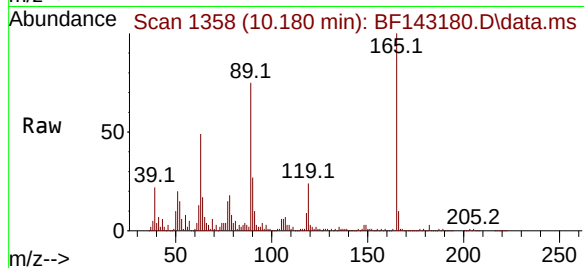
Tgt Ion:139 Resp: 290208
Ion Ratio Lower Upper
139 100
109 70.0 48.5 88.5
65 101.0 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 51.692 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

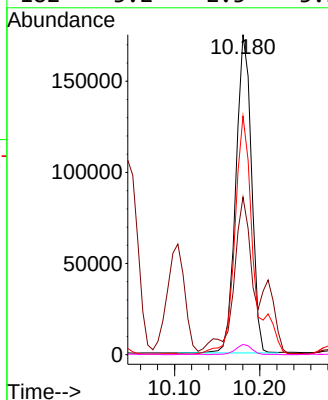
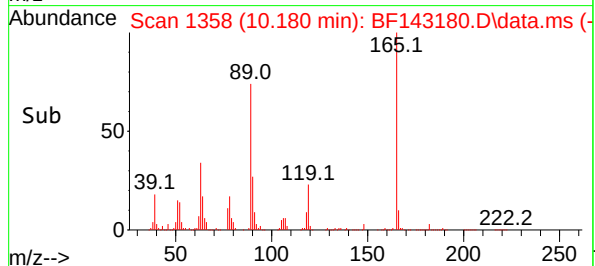
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:165 Resp: 222639
Ion Ratio Lower Upper
165 100
63 49.3 41.0 61.4
89 74.5 61.1 91.7
182 3.2 2.3 3.5

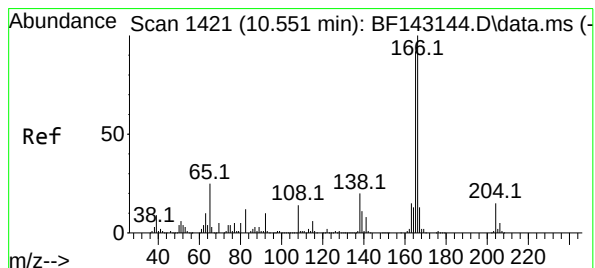
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Reviewed By :Rahul
Chavli



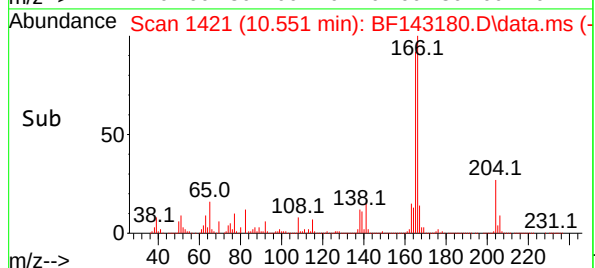
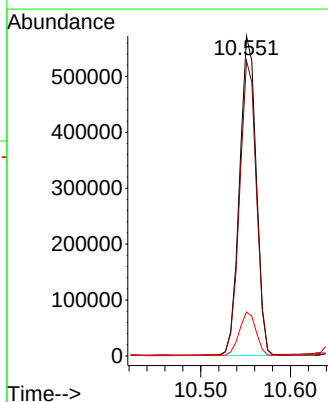
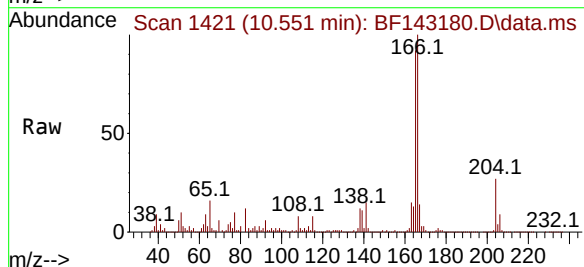
07/23/2025
Supervised By :Jagrut
Upadhyay

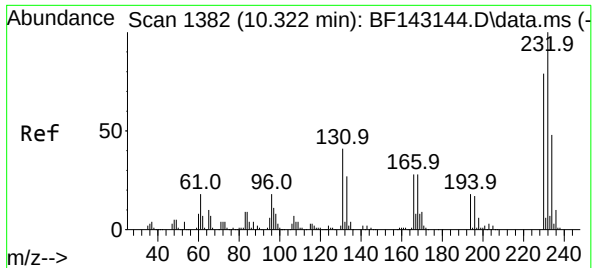
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#58
Fluorene
Concen: 44.574 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

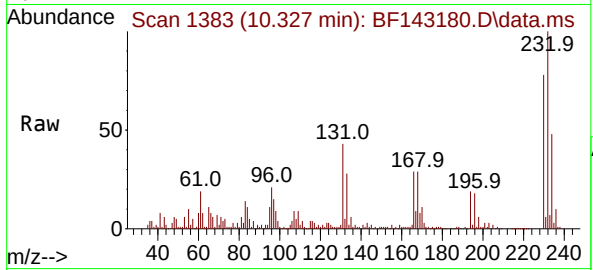
Tgt Ion:166 Resp: 735293
Ion Ratio Lower Upper
166 100
165 92.3 73.7 110.5
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.297 ng
RT: 10.327 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

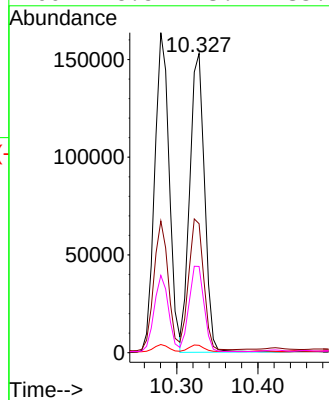
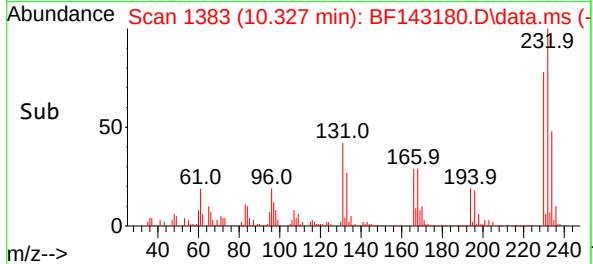
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:232 Resp: 19416
Ion Ratio Lower Upper
232 100
131 43.7 35.3 52.9
130 2.4 1.7 2.5
166 28.8 23.4 35.2

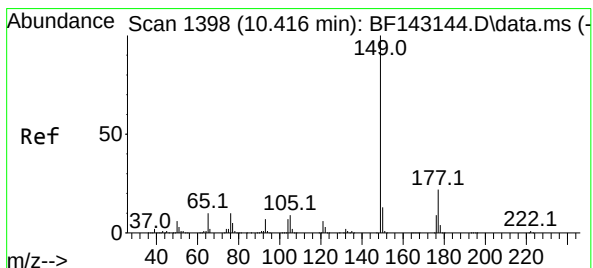
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Reviewed By :Rahul
Chavli



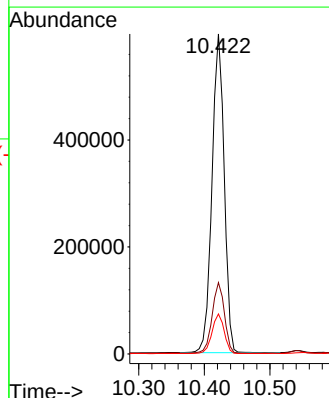
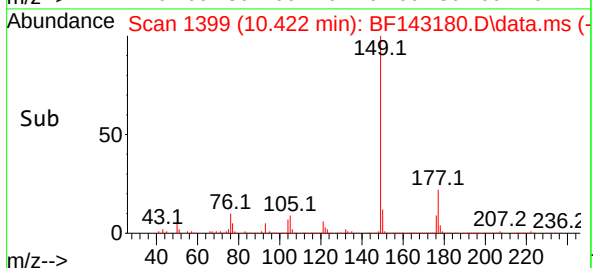
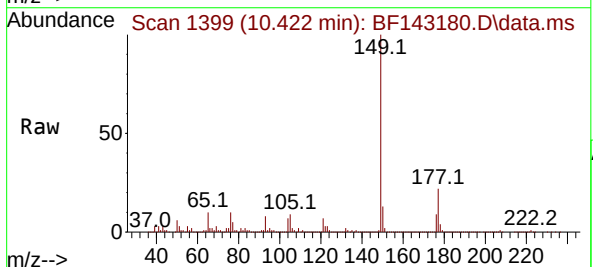
07/23/2025
Supervised By :Jagrut
Upadhyay

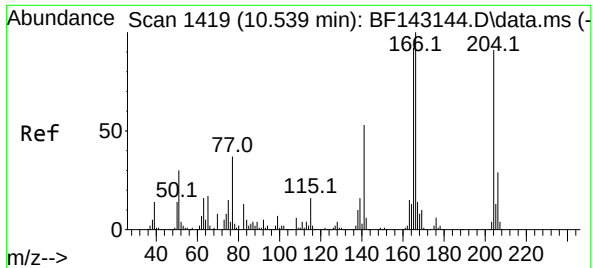
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#60
Diethylphthalate
Concen: 46.169 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

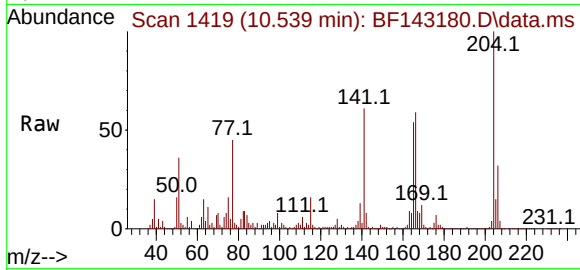
Tgt Ion:149 Resp: 770106
Ion Ratio Lower Upper
149 100
177 22.3 17.5 26.3
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 42.644 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

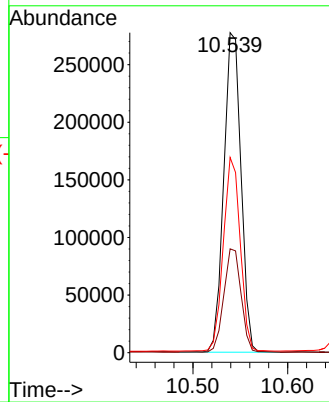
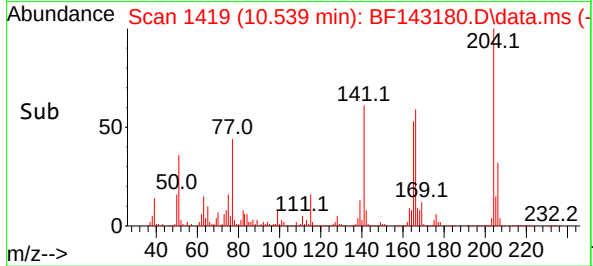
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:204 Resp: 35027
Ion Ratio Lower Upper
204 100
206 32.5 25.8 38.8
141 61.0 47.0 70.4

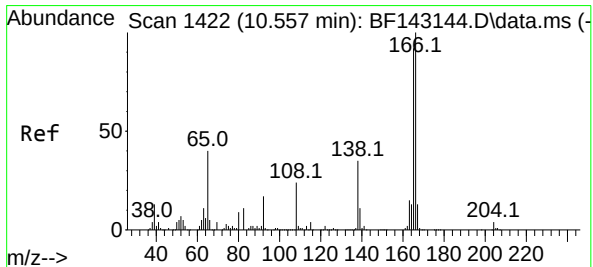
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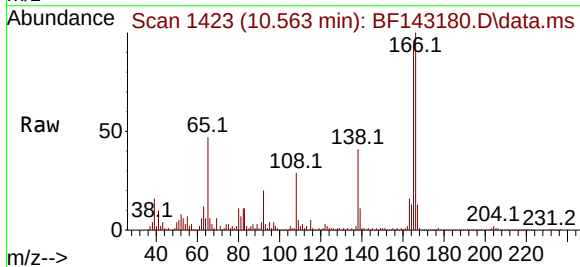


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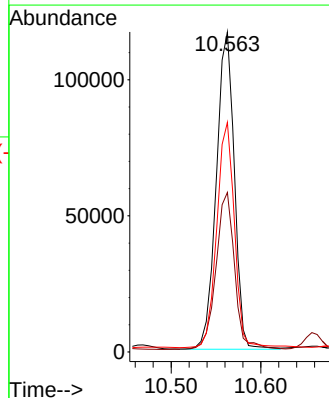
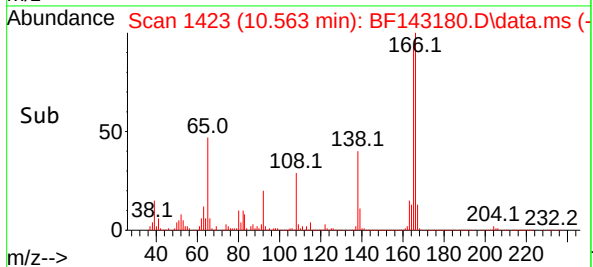
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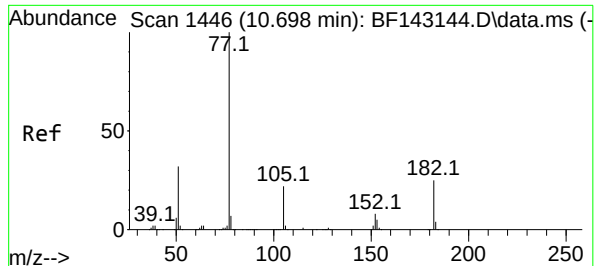


#62
4-Nitroaniline
Concen: 47.227 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



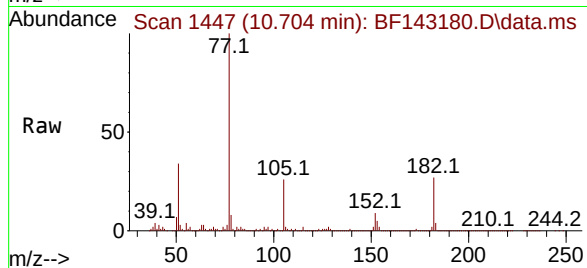
Tgt Ion:138 Resp: 162531
Ion Ratio Lower Upper
138 100
92 49.9 29.3 69.3
108 71.8 48.3 88.3





#63
Azobenzene
Concen: 46.418 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

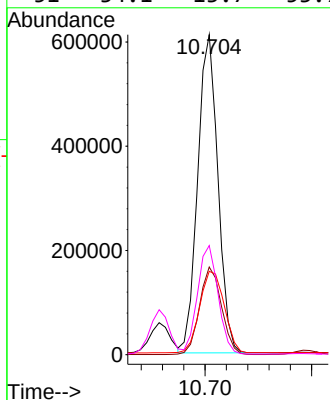
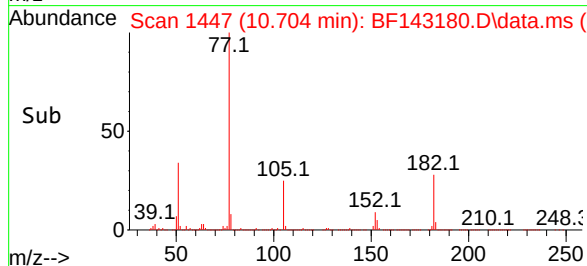
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion: 77 Resp: 806940
Ion Ratio Lower Upper
77 100
182 27.4 4.6 44.6
105 26.0 1.4 41.4
51 34.1 13.7 53.7

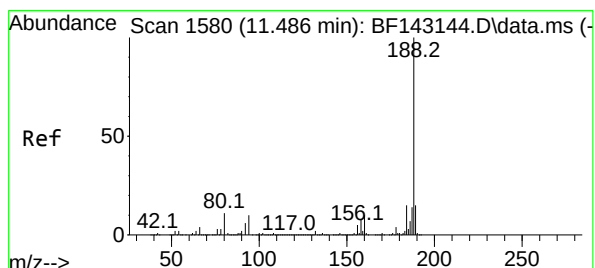
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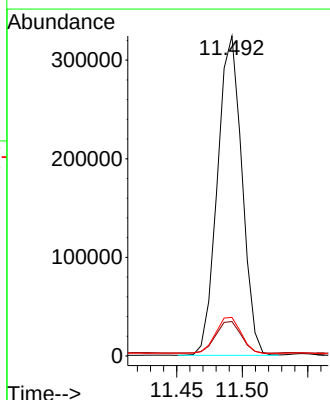
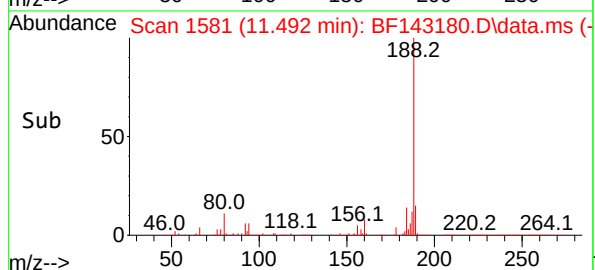
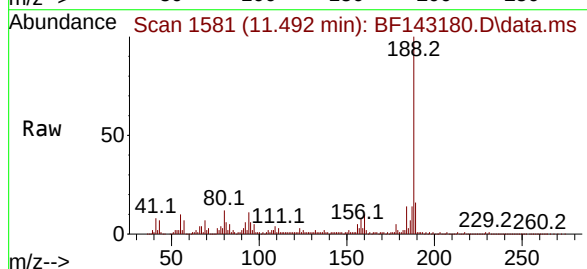
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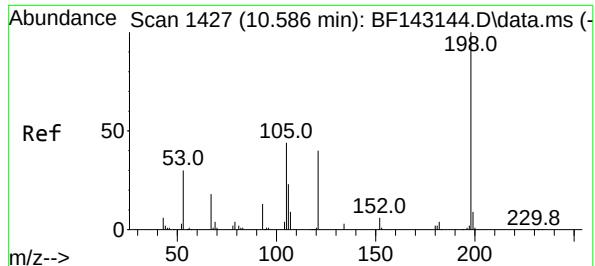
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

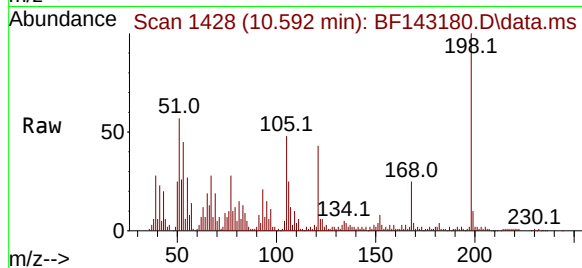
Tgt Ion:188 Resp: 420723
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 12.1 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 48.125 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

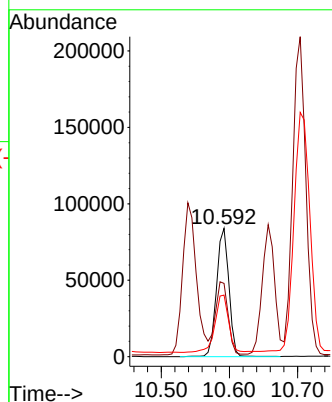
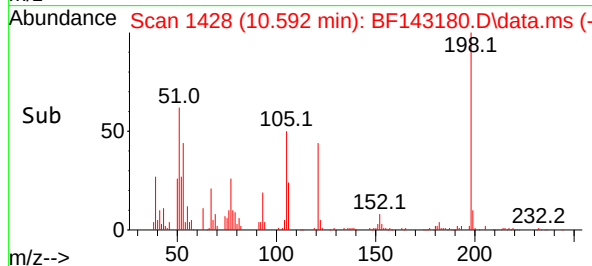
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:198 Resp: 10617
Ion Ratio Lower Upper
198 100
51 57.2 37.2 77.2
105 48.1 24.8 64.8

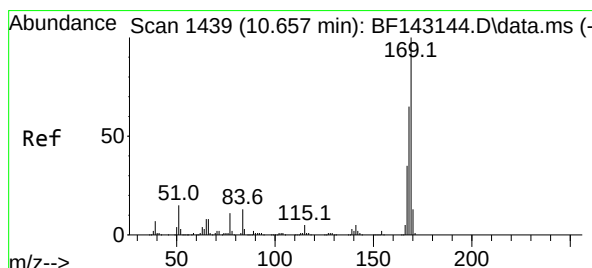
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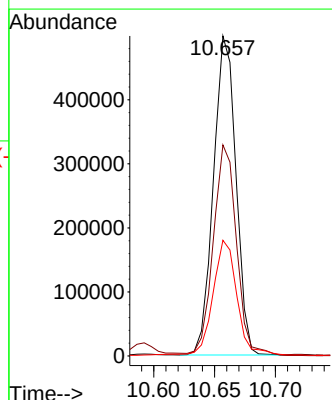
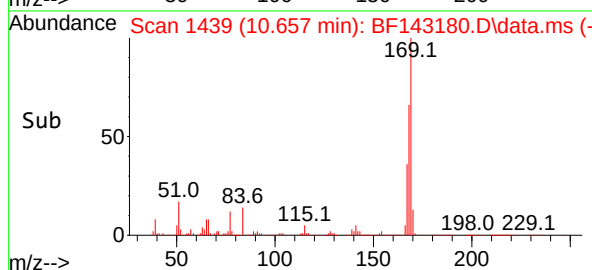
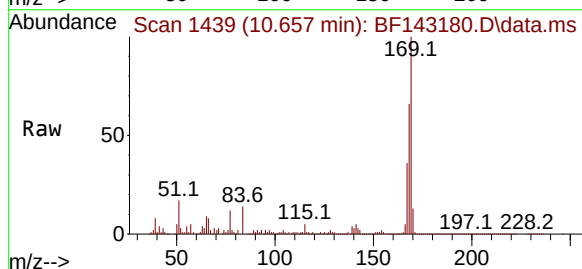
07/23/2025
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Upadhyay

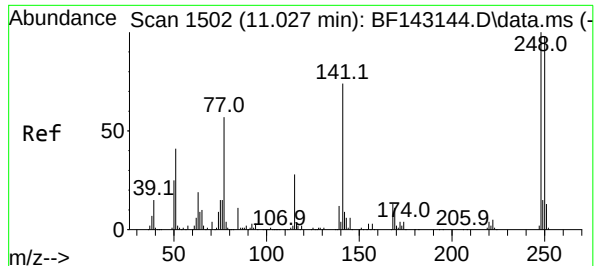
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#66
n-Nitrosodiphenylamine
Concen: 43.218 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

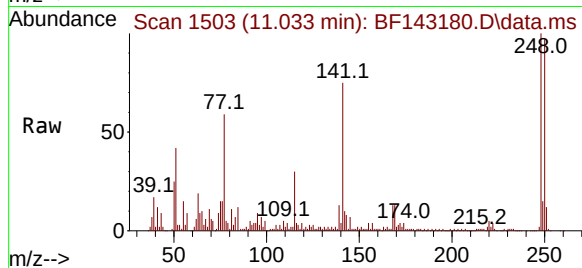
Tgt Ion:169 Resp: 640269
Ion Ratio Lower Upper
169 100
168 65.9 52.1 78.1
167 36.2 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 42.890 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

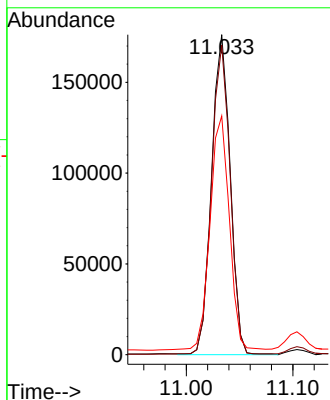
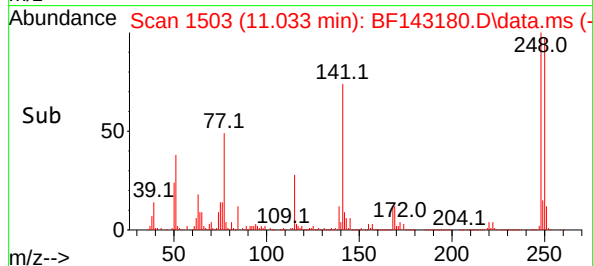
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:248 Resp: 21504
Ion Ratio Lower Upper
248 100
250 96.8 78.3 117.5
141 74.6 59.2 88.8

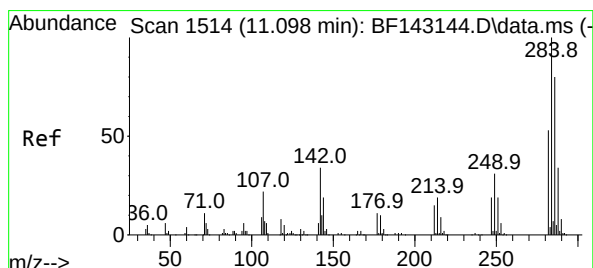
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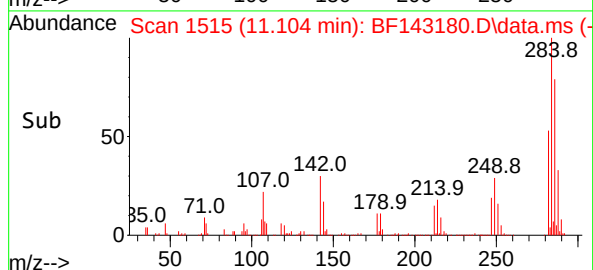
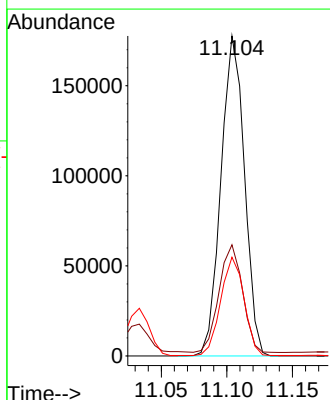
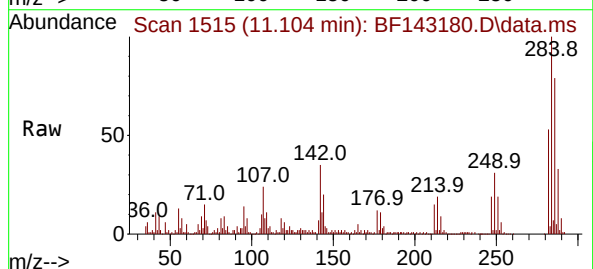
07/23/2025
Supervised By :Jagrut
Upadhyay

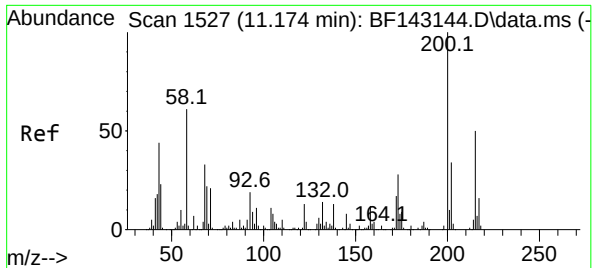
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#68
Hexachlorobenzene
Concen: 42.221 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

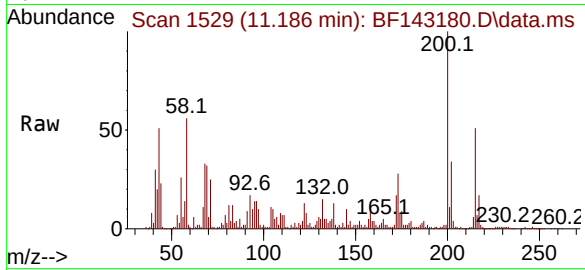
Tgt Ion:284 Resp: 221260
Ion Ratio Lower Upper
284 100
142 34.7 27.0 40.6
249 30.9 25.0 37.6





#69
Atrazine
Concen: 47.184 ng
RT: 11.186 min Scan# 1529
Delta R.T. 0.012 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

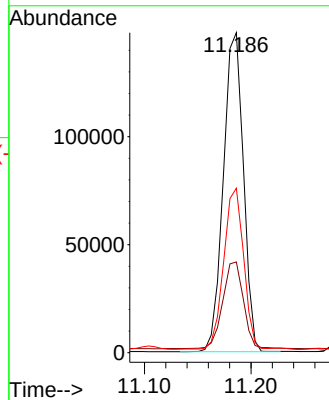
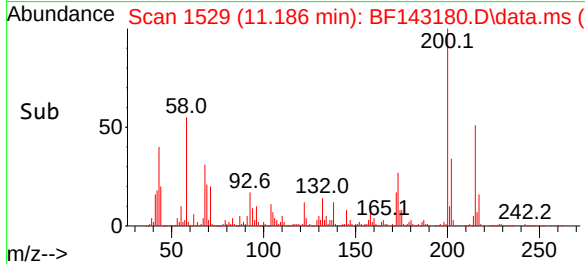
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:200 Resp: 19271
Ion Ratio Lower Upper
200 100
173 28.4 7.9 47.9
215 51.4 30.1 70.1

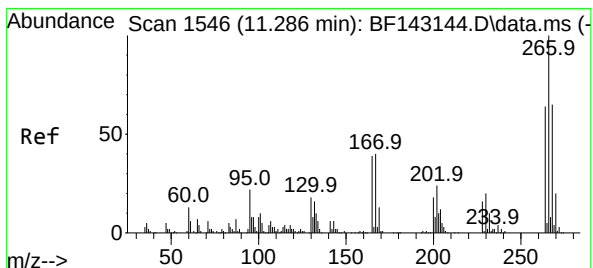
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

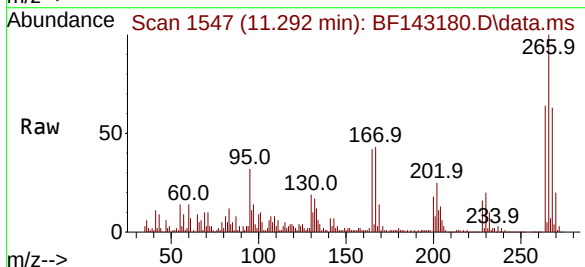


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Supervised By :Jagrut
Upadhyay

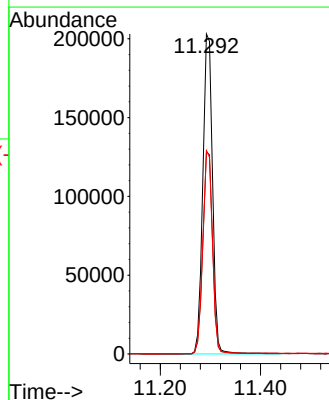
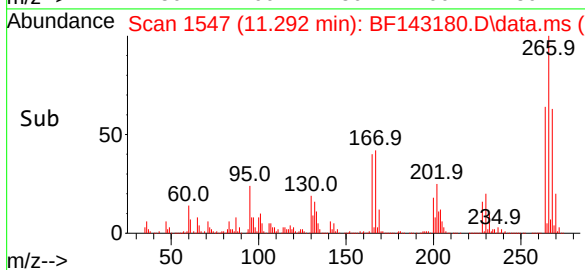
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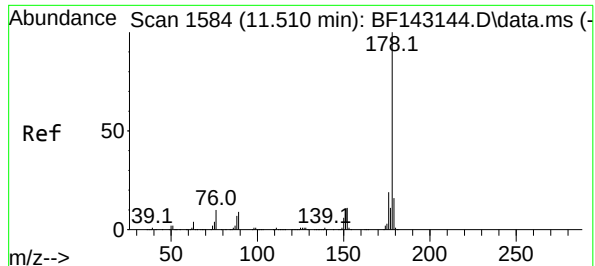


#70
Pentachlorophenol
Concen: 88.880 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



Tgt Ion:266 Resp: 273917
Ion Ratio Lower Upper
266 100
268 63.3 51.9 77.9
264 63.5 51.0 76.6





#71

Phenanthrene

Concen: 56.049 ng

RT: 11.516 min Scan# 11584

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:178 Resp: 125208

Ion Ratio Lower Upper

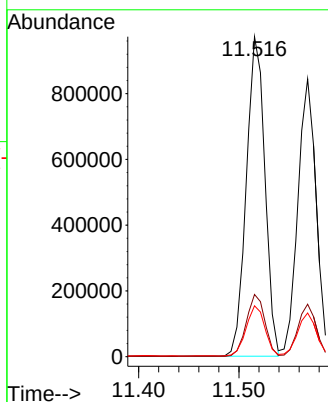
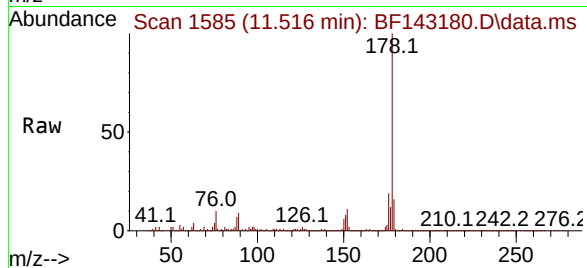
178 100

176 19.5 15.3 22.9

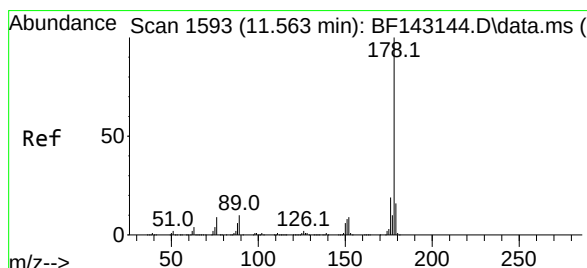
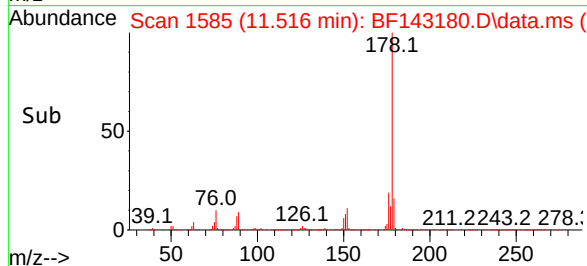
179 15.9 12.5 18.7

Manual Integrations

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Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

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#72

Anthracene

Concen: 46.522 ng

RT: 11.569 min Scan# 1594

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

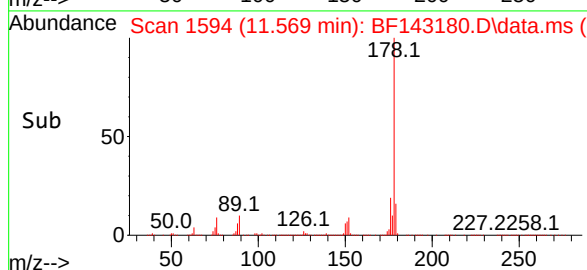
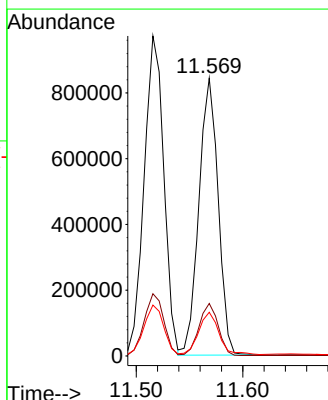
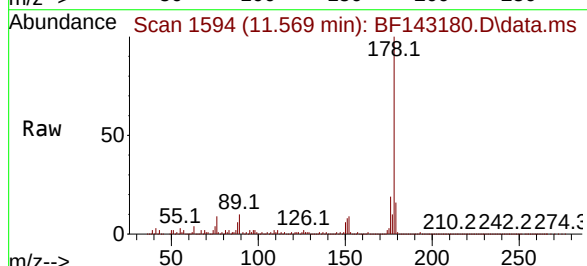
Tgt Ion:178 Resp: 1059941

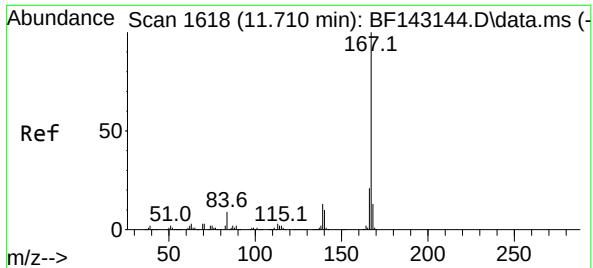
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

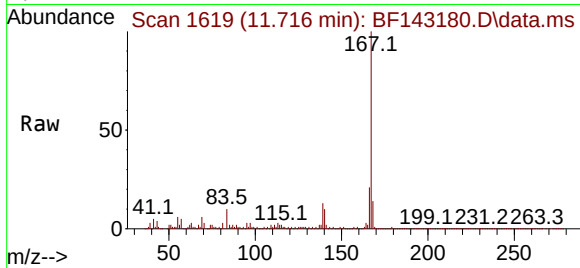
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 43.563 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143180.D
 Acq: 22 Jul 2025 10:26

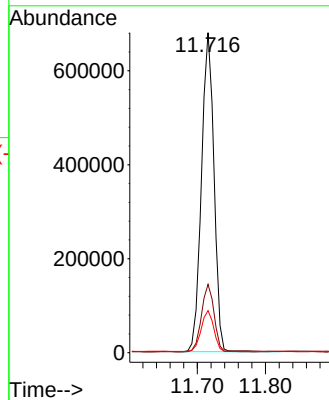
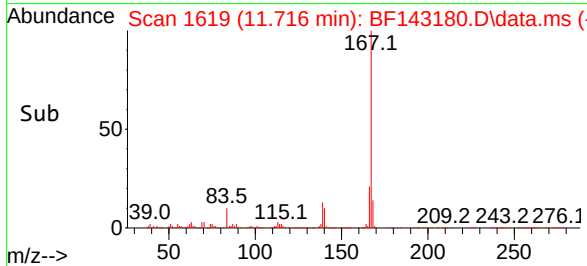
Instrument :
 BNA_F
 ClientSampleId :
 RT2286MS



Tgt Ion:167 Resp: 86666
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 13.2 10.0 15.0

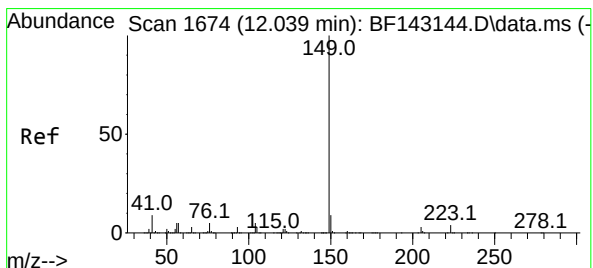
Manual Integrations
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Reviewed By :Rahul
 Chavli

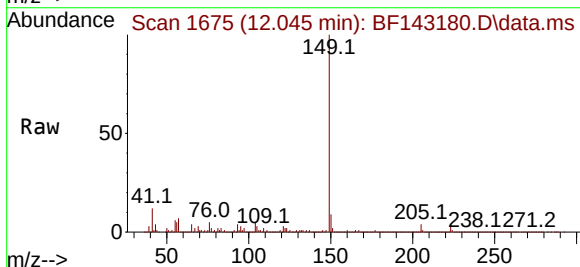


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 Supervised By :Jagrut
 Upadhyay

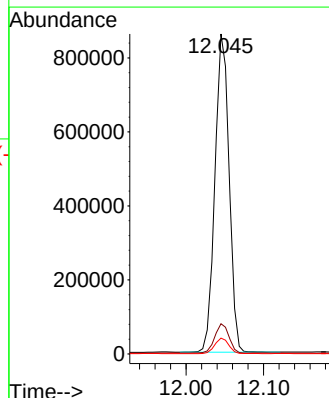
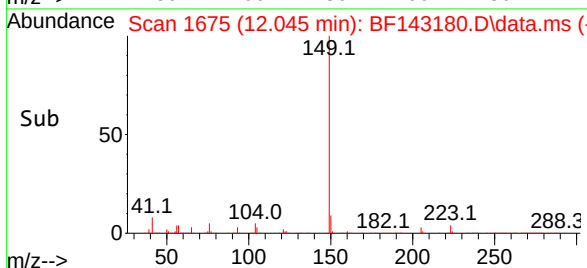
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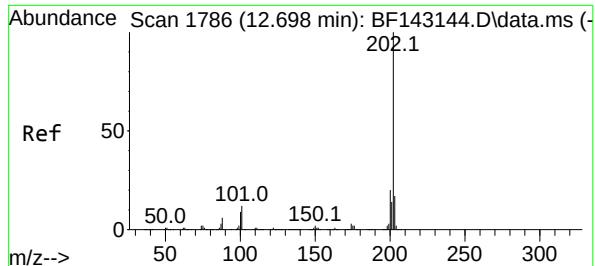


#74
 Di-n-butylphthalate
 Concen: 48.409 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143180.D
 Acq: 22 Jul 2025 10:26



Tgt Ion:149 Resp: 1089699
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 5.0 3.8 5.8





#75

Fluoranthene

Concen: 65.437 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:202 Resp: 134174

Ion Ratio Lower Upper

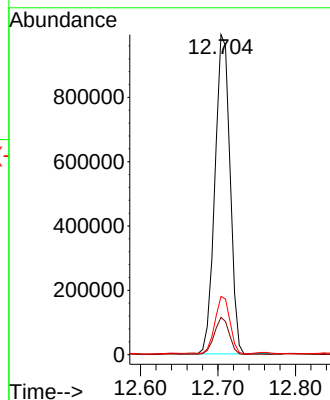
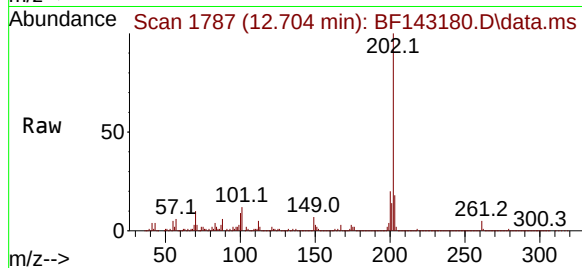
202 100

101 11.7 0.0 31.7

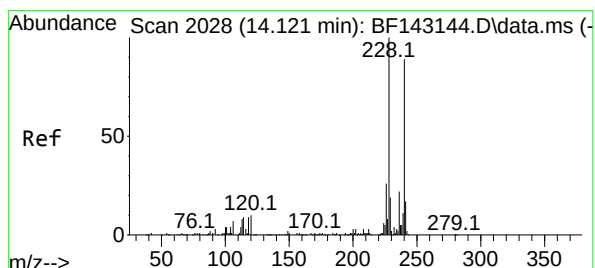
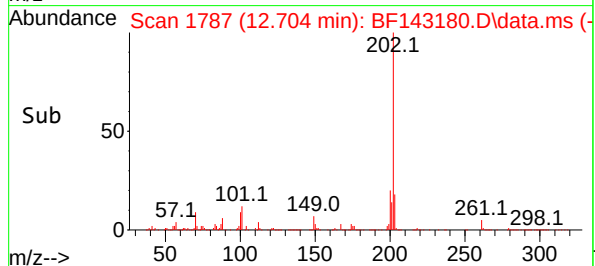
203 18.2 0.0 37.4

Manual Integrations

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Reviewed By :Rahul
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Upadhyay

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

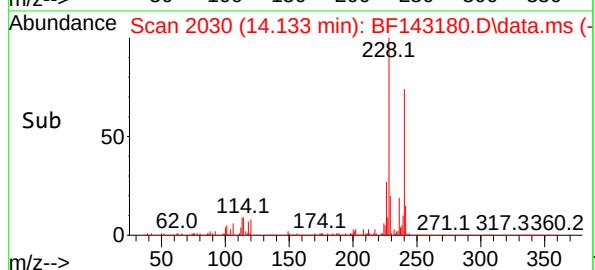
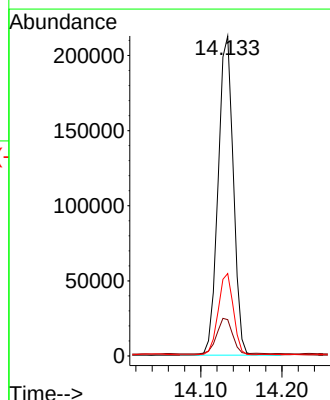
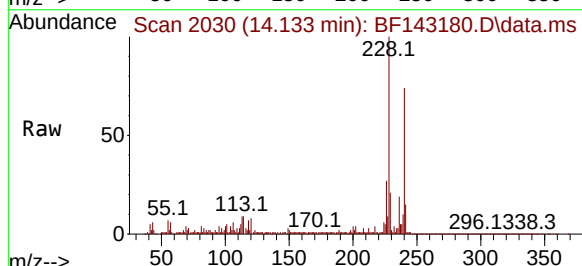
Tgt Ion:240 Resp: 277520

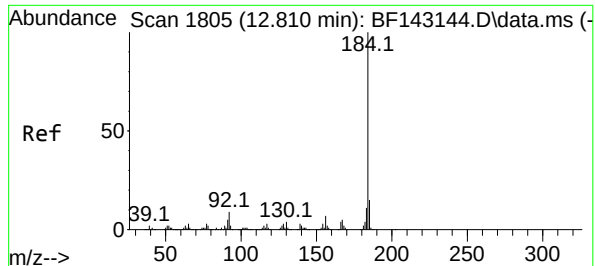
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.7 20.2 30.4





#77

Benzidine

Concen: 24.042 ng

RT: 12.816 min Scan# 1805

Delta R.T. 0.005 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:184 Resp: 257059

Ion Ratio Lower Upper

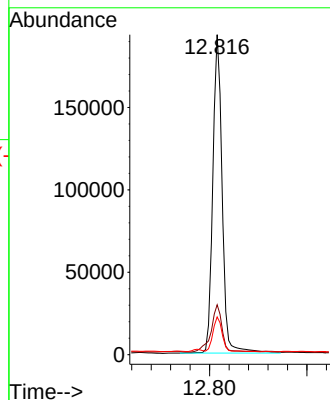
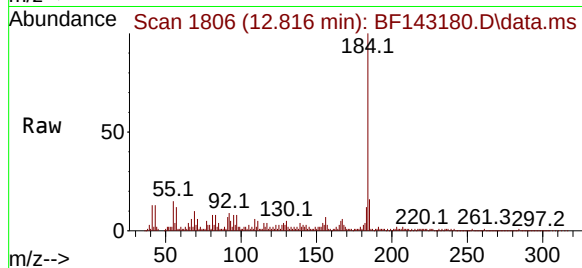
184 100

185 15.6 12.2 18.4

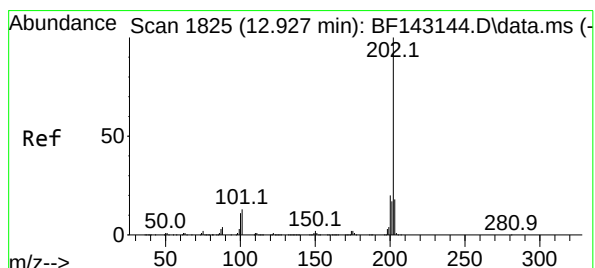
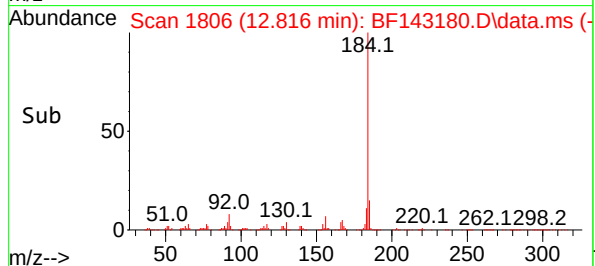
183 11.8 9.0 13.4

Manual Integrations

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Reviewed By :Rahul
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Upadhyay

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#78

Pyrene

Concen: 59.322 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

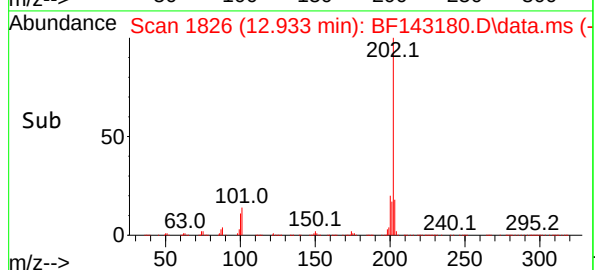
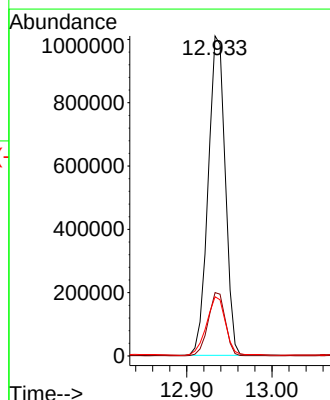
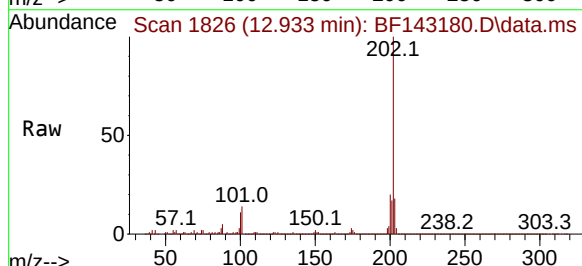
Tgt Ion:202 Resp: 1405043

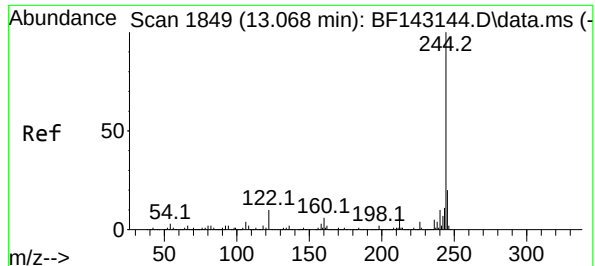
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 18.5 14.2 21.2





#79

Terphenyl-d14

Concen: 44.195 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.000 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:244 Resp: 824200

Ion Ratio Lower Upper

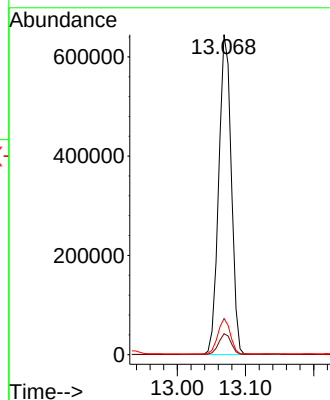
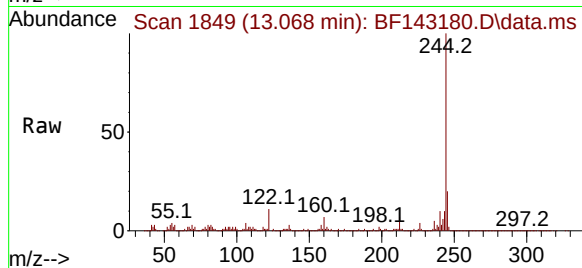
244 100

212 6.6 5.2 7.8

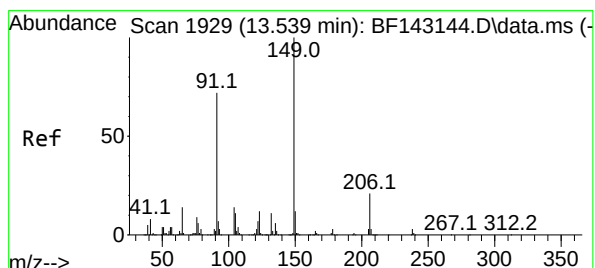
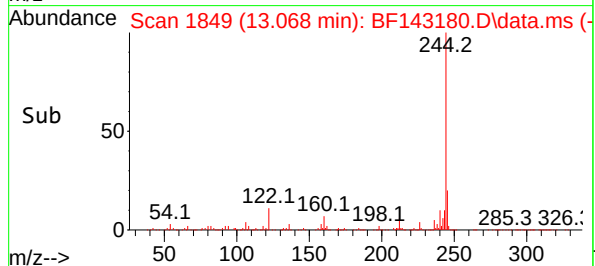
122 11.3 8.2 12.2

Manual Integrations

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Reviewed By :Rahul
Chavli07/23/2025
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Upadhyay

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#80

Butylbenzylphthalate

Concen: 51.381 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

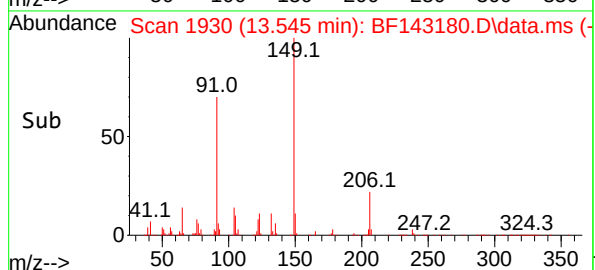
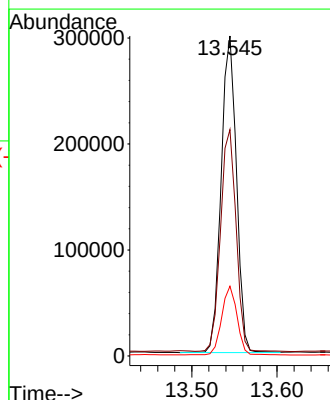
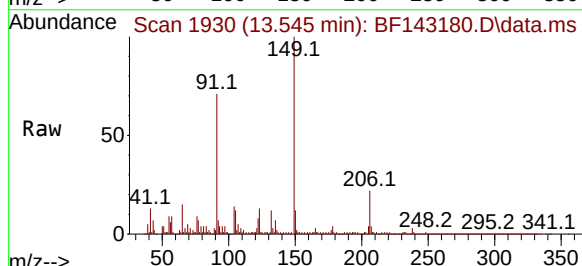
Tgt Ion:149 Resp: 372649

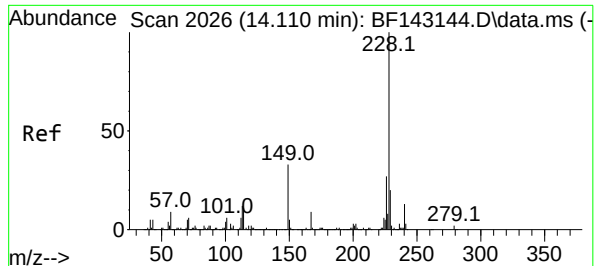
Ion Ratio Lower Upper

149 100

91 70.8 57.9 86.9

206 21.8 17.0 25.4





#81

Benzo(a)anthracene

Concen: 56.825 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:228 Resp: 105581

Ion Ratio Lower Upper

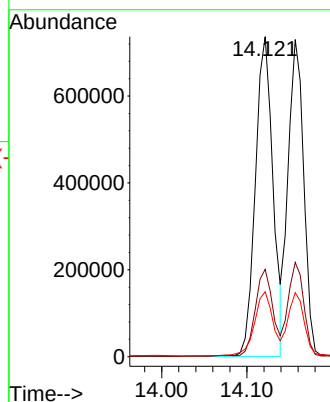
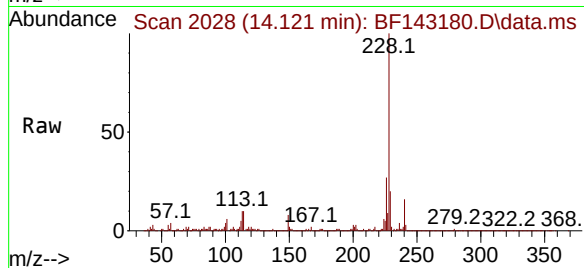
228 100

226 27.3 21.7 32.5

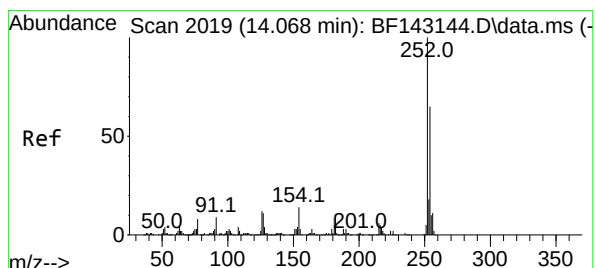
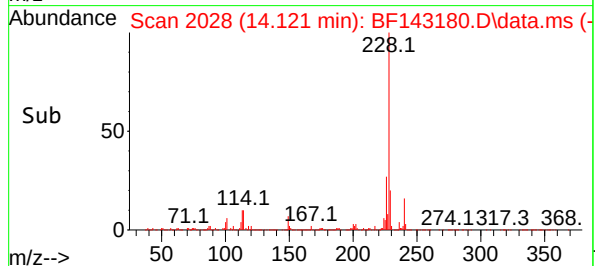
229 20.3 15.8 23.6

Manual Integrations

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Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

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#82

3,3'-Dichlorobenzidine

Concen: 22.108 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

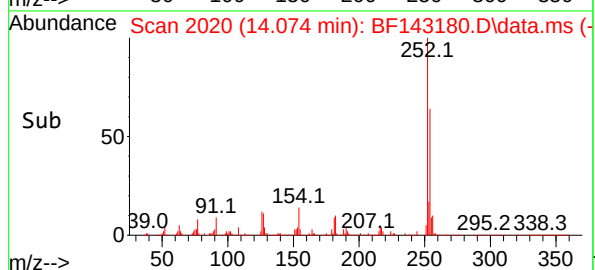
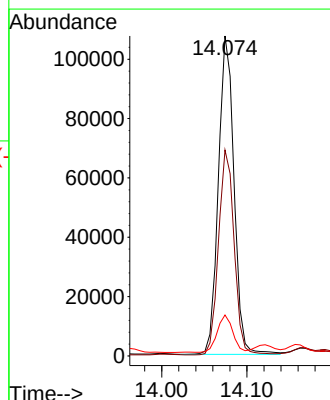
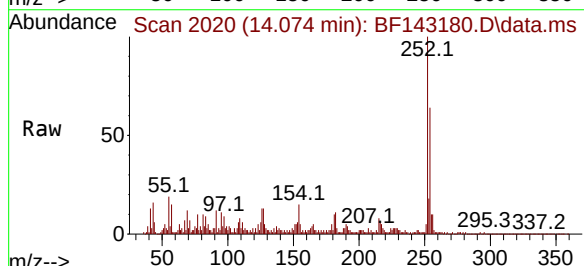
Tgt Ion:252 Resp: 136903

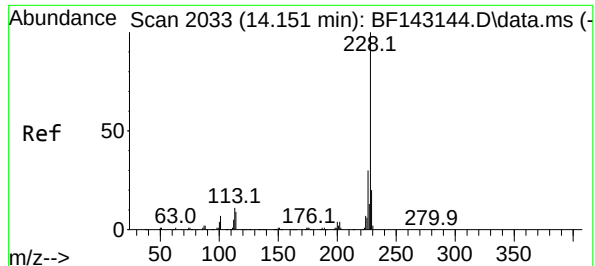
Ion Ratio Lower Upper

252 100

254 64.3 51.7 77.5

126 12.8 9.4 14.0





#83

Chrysene

Concen: 55.460 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

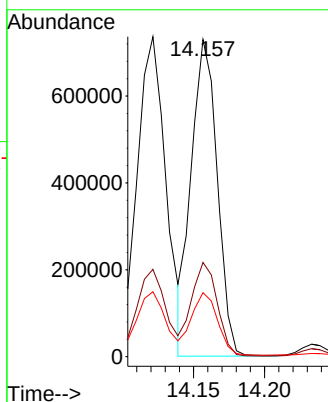
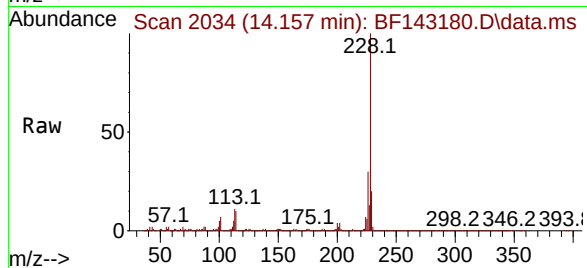
Instrument :

BNA_F

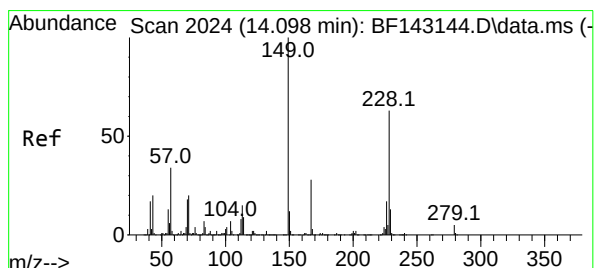
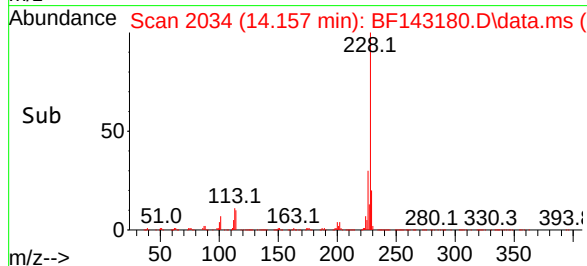
ClientSampleId :

RT2286MS

Tgt Ion:	228	Resp:	92647
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.8	35.8
229	20.2	15.6	23.4

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

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#84

Bis(2-ethylhexyl)phthalate

Concen: 46.643 ng

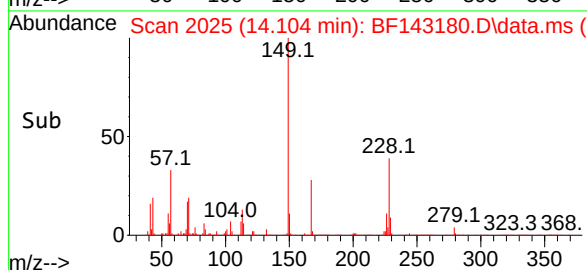
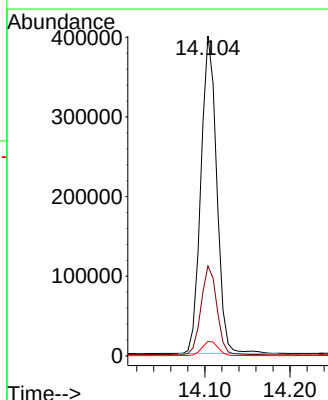
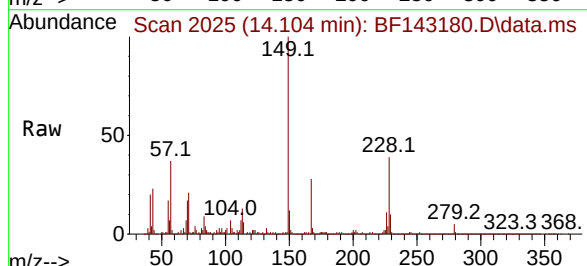
RT: 14.104 min Scan# 2025

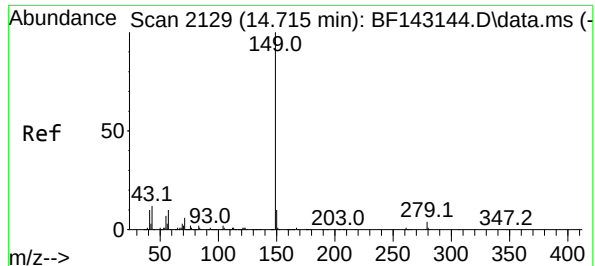
Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Tgt Ion:	149	Resp:	512026
Ion Ratio	Lower	Upper	
149	100		
167	28.1	22.3	33.5
279	4.5	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 47.711 ng m

RT: 14.721 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:149 Resp: 949372

Ion Ratio Lower Upper

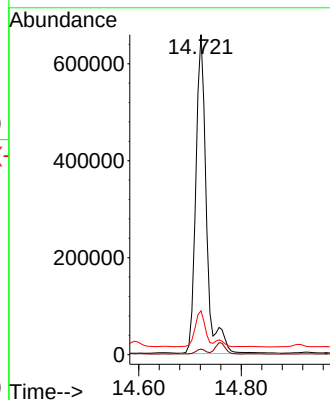
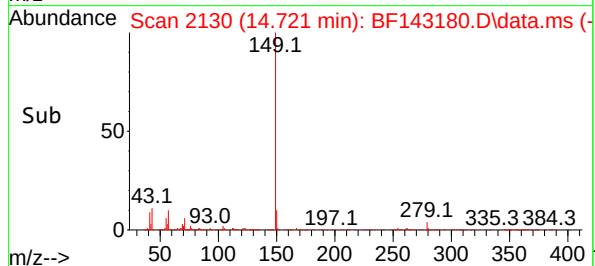
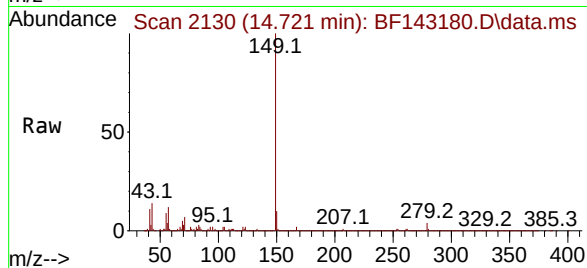
149 100

167 1.5 1.1 1.7

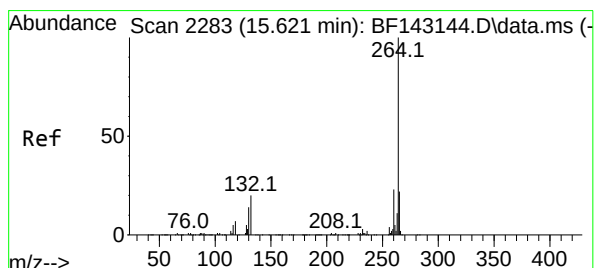
43 10.7 9.7 14.5

Manual Integrations

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Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2285

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

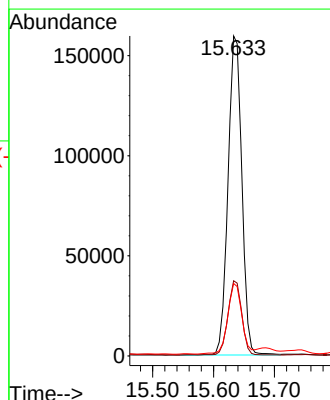
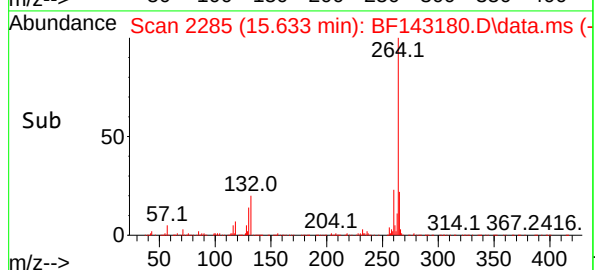
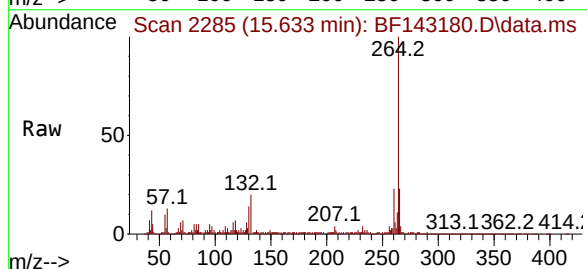
Tgt Ion:264 Resp: 250625

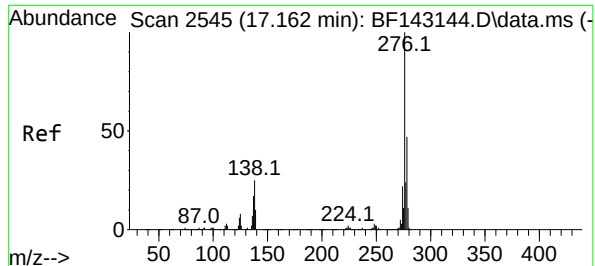
Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.775 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:276 Resp: 632228

Ion Ratio Lower Upper

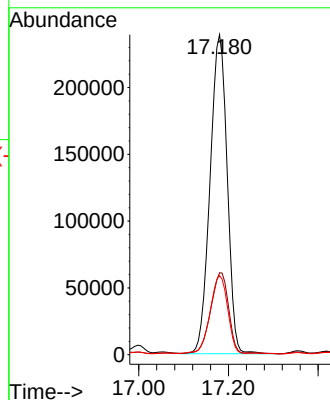
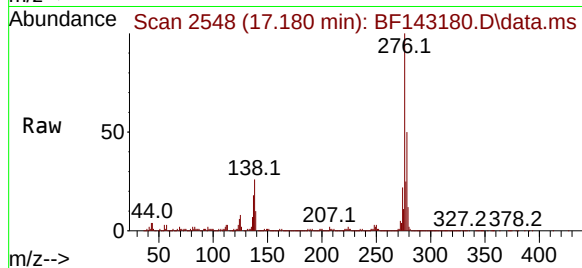
276 100

138 26.2 21.8 32.6

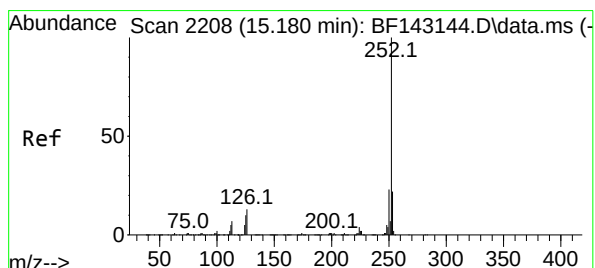
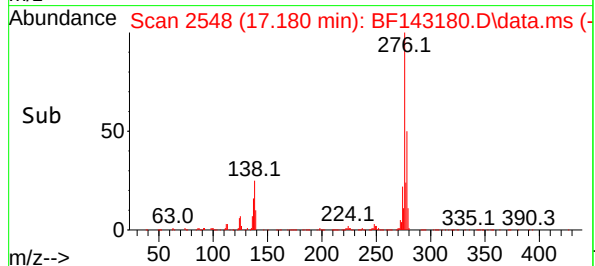
277 24.8 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025



#88

Benzo(b)fluoranthene

Concen: 66.318 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

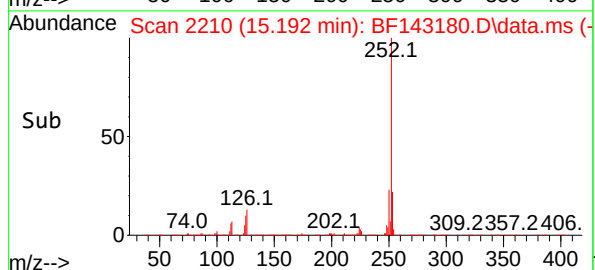
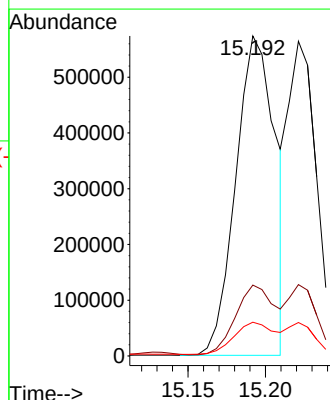
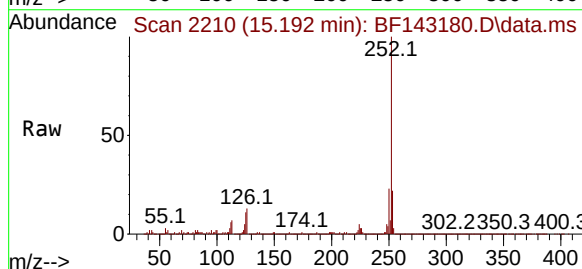
Tgt Ion:252 Resp: 1015390

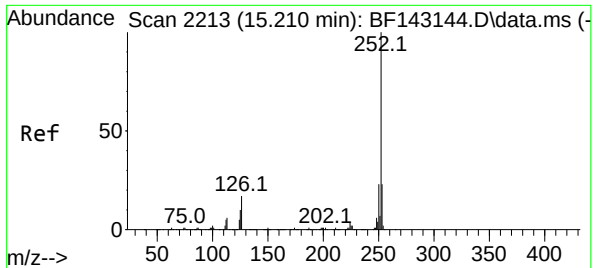
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 10.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 52.120 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

Instrument :

BNA_F

ClientSampleId :

RT2286MS

Tgt Ion:252 Resp: 712098

Ion Ratio Lower Upper

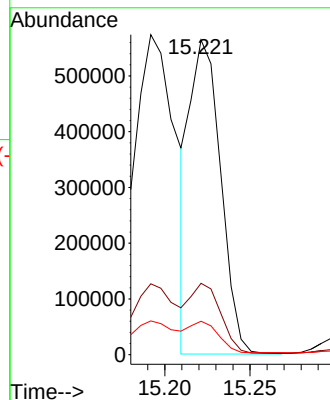
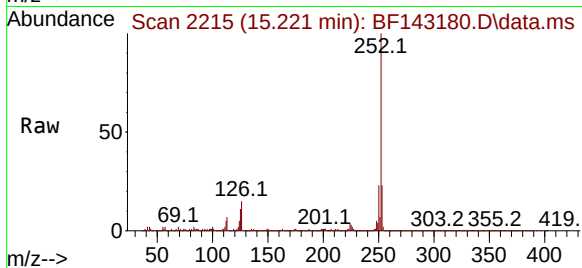
252 100

253 22.7 17.8 26.6

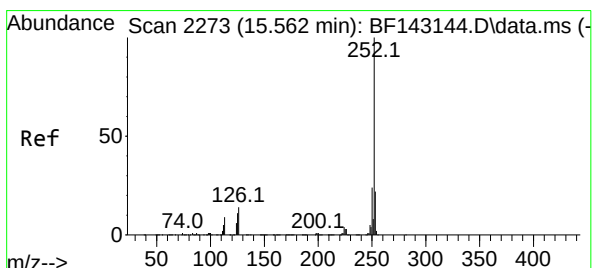
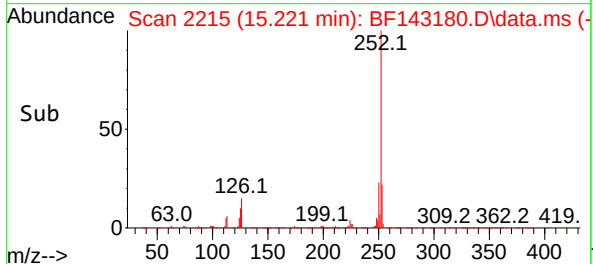
125 10.6 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul
Chavli07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025



#90

Benzo(a)pyrene

Concen: 56.754 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143180.D

Acq: 22 Jul 2025 10:26

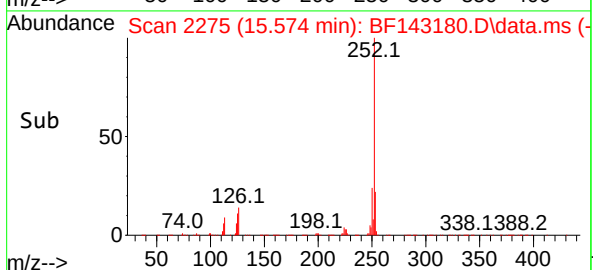
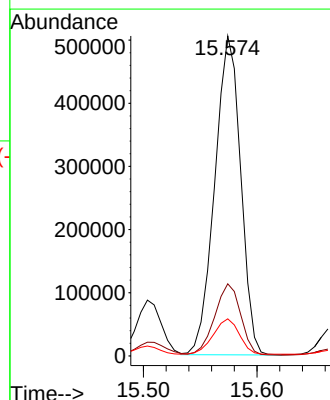
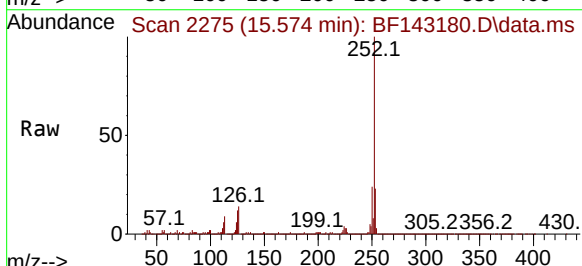
Tgt Ion:252 Resp: 800603

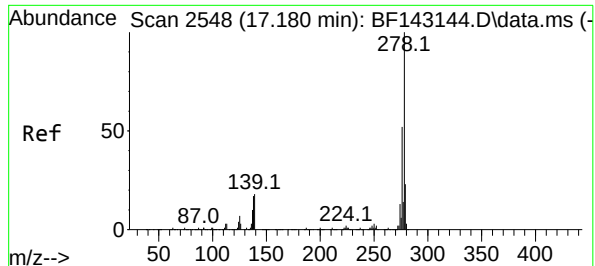
Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

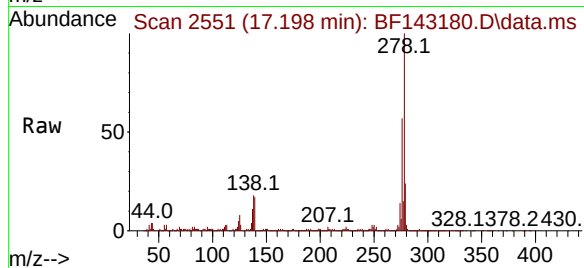
125 11.6 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 30.912 ng
RT: 17.198 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26

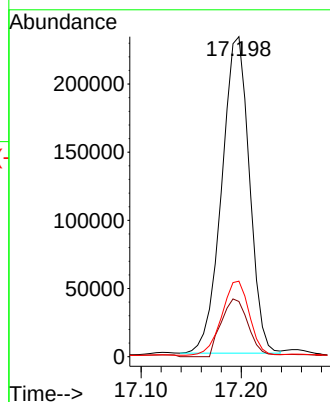
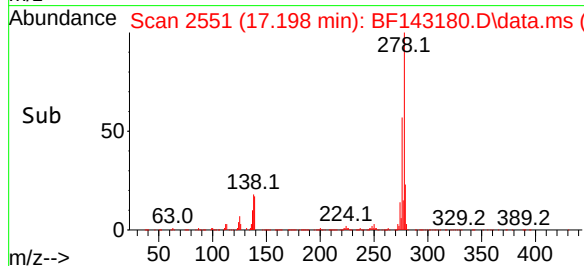
Instrument :
BNA_F
ClientSampleId :
RT2286MS



Tgt Ion:278 Resp: 444650
Ion Ratio Lower Upper
278 100
139 17.3 14.1 21.1
279 23.6 18.6 28.0

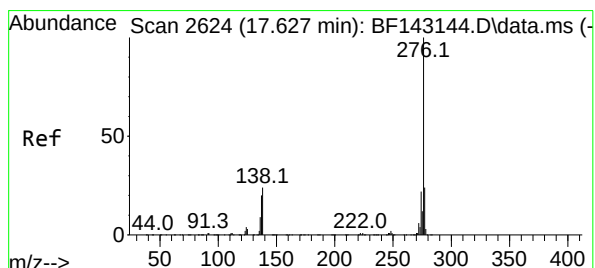
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

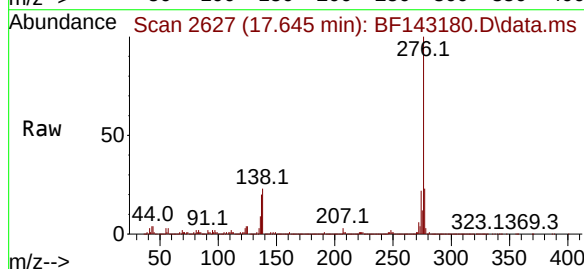


07/23/2025
Supervised By :Jagrut
Upadhyay

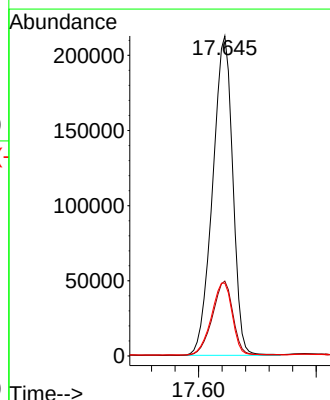
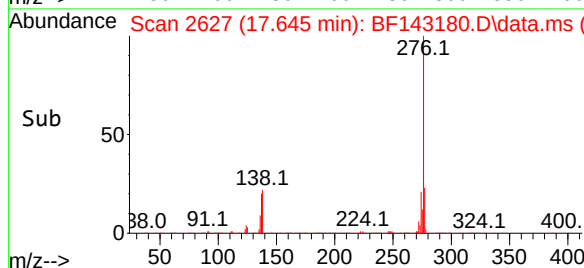
07/23/2025



#92
Benzo(g,h,i)perylene
Concen: 36.288 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143180.D
Acq: 22 Jul 2025 10:26



Tgt Ion:276 Resp: 504925
Ion Ratio Lower Upper
276 100
277 23.4 19.1 28.7
138 22.8 18.9 28.3



Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.8
Sample Wt/Vol:	50.02 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
BF143181.D	1	07/21/25 09:30	07/22/25 10:55	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	770		110	230	ug/Kg
108-95-2	Phenol	1000		15.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		17.2	120	ug/Kg
95-57-8	2-Chlorophenol	990		17.3	120	ug/Kg
95-48-7	2-Methylphenol	1000		21.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		26.5	120	ug/Kg
98-86-2	Acetophenone	970		20.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		29.1	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		33.5	56.6	ug/Kg
67-72-1	Hexachloroethane	1000		12.4	120	ug/Kg
98-95-3	Nitrobenzene	1000		12.9	120	ug/Kg
78-59-1	Isophorone	1000		23.2	120	ug/Kg
88-75-5	2-Nitrophenol	1100		41.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		45.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		21.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		20.0	120	ug/Kg
91-20-3	Naphthalene	1000		16.1	120	ug/Kg
106-47-8	4-Chloroaniline	250		25.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		17.9	120	ug/Kg
105-60-2	Caprolactam	1200		36.8	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		20.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		18.1	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		82.0	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		14.0	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		20.6	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		15.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	980		15.9	120	ug/Kg
88-74-4	2-Nitroaniline	1100		34.0	120	ug/Kg
131-11-3	Dimethylphthalate	1000		19.2	120	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.8
Sample Wt/Vol:	50.02 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
BF143181.D	1	07/21/25 09:30	07/22/25 10:55	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		20.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		23.8	120	ug/Kg
99-09-2	3-Nitroaniline	790		32.5	120	ug/Kg
83-32-9	Acenaphthene	1100		15.1	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	160	230	ug/Kg
100-02-7	4-Nitrophenol	2100	E	75.7	230	ug/Kg
132-64-9	Dibenzofuran	1000		16.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		35.4	120	ug/Kg
84-66-2	Diethylphthalate	1100		20.0	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		18.9	120	ug/Kg
86-73-7	Fluorene	1000		17.9	120	ug/Kg
100-01-6	4-Nitroaniline	970		45.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		72.8	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		23.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		19.7	120	ug/Kg
118-74-1	Hexachlorobenzene	990		17.9	120	ug/Kg
1912-24-9	Atrazine	1100		24.0	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	36.3	230	ug/Kg
85-01-8	Phenanthrene	1300		14.8	120	ug/Kg
120-12-7	Anthracene	1100		23.6	120	ug/Kg
86-74-8	Carbazole	1000		22.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		33.9	120	ug/Kg
206-44-0	Fluoranthene	1600		21.2	120	ug/Kg
129-00-0	Pyrene	1300		25.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		50.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530		26.0	230	ug/Kg
56-55-3	Benzo(a)anthracene	1300		16.3	120	ug/Kg
218-01-9	Chrysene	1300		14.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		61.4	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		13.4	120	ug/Kg

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/17/25
Project:	Leon Avenue	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2651
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.8
Sample Wt/Vol:	50.02 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
BF143181.D	1	07/21/25 09:30	07/22/25 10:55	PB168929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		15.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	1300		20.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	810		20.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	710		19.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	830		18.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		18.1	120	ug/Kg
123-91-1	1,4-Dioxane	820		32.0	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		19.4	120	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	83.0		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	86.1		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.7		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.8		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.4		10 - 116	58%	SPK: 150
1718-51-0	Terphenyl-d14	43.1		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	137000	6.963
1146-65-2	Naphthalene-d8	530000	8.245
15067-26-2	Acenaphthene-d10	274000	10.004
1517-22-2	Phenanthrene-d10	415000	11.492
1719-03-5	Chrysene-d12	276000	14.133
1520-96-3	Perylene-d12	229000	15.639

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\BF072225\
 Data File : BF143181.D
 Acq On : 22 Jul 2025 10:55
 Operator : RC/JU
 Sample : Q2635-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Manual Integrations

APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025

Quant Time: Jul 22 11:37:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	136589	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	529762	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274462	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	414650	20.000	ng	0.00
76) Chrysene-d12	14.133	240	276295	20.000	ng	0.01
86) Perylene-d12	15.639	264	228694	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	716143	82.969	ng	0.01
7) Phenol-d6	6.587	99	935920	86.147	ng	0.00
23) Nitrobenzene-d5	7.522	82	613436	57.720	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	244844	86.354	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1059631	52.801	ng	0.00
79) Terphenyl-d14	13.069	244	800209	43.099	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.863	88	142826	34.971	ng	100
3) Pyridine	3.628	79	387513	36.555	ng	99
4) n-Nitrosodimethylamine	3.569	42	226567	41.396	ng	99
6) Aniline	6.622	93	355683	23.491	ng	95
8) 2-Chlorophenol	6.751	128	380878	42.098	ng	98
9) Benzaldehyde	6.510	77	267699	32.860	ng	99
10) Phenol	6.604	94	507938	42.917	ng	98
11) bis(2-Chloroethyl)ether	6.693	93	375500	41.437	ng	99
12) 1,3-Dichlorobenzene	6.910	146	396098	40.301	ng	98
13) 1,4-Dichlorobenzene	6.981	146	400666	40.480	ng	99
14) 1,2-Dichlorobenzene	7.134	146	385915	40.994	ng	99
15) Benzyl Alcohol	7.098	79	366706	44.206	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	695231	41.357	ng	99
17) 2-Methylphenol	7.210	107	323602	42.538	ng	99
18) Hexachloroethane	7.481	117	145589	42.489	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	282181	40.484	ng	99
20) 3+4-Methylphenols	7.363	107	396436	42.952	ng	# 81
22) Acetophenone	7.369	105	518130	41.311	ng	97
24) Nitrobenzene	7.540	77	429974	43.395	ng	98
25) Isophorone	7.781	82	793276	42.282	ng	99
26) 2-Nitrophenol	7.857	139	207791	48.321	ng	99
27) 2,4-Dimethylphenol	7.892	122	371287	42.358	ng	100
28) bis(2-Chloroethoxy)met...	7.987	93	469100	41.702	ng	100
29) 2,4-Dichlorophenol	8.098	162	316852	42.863	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	329282	41.232	ng	99
31) Naphthalene	8.269	128	1159919	44.458	ng	100
32) Benzoic acid	8.010	122	260227	52.195	ng	97
33) 4-Chloroaniline	8.310	127	114890	10.785	ng	98
34) Hexachlorobutadiene	8.392	225	197888	40.563	ng	99
35) Caprolactam	8.681	113	114441	51.232	ng	94
36) 4-Chloro-3-methylphenol	8.792	107	358269	44.590	ng	99
37) 2-Methylnaphthalene	8.957	142	686312	43.229	ng	99
38) 1-Methylnaphthalene	9.057	142	697758	42.680	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	328897	41.506	ng	99
41) Hexachlorocyclopentadiene	9.116	237	241446	46.829	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	238395	43.470	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143181.D
 Acq On : 22 Jul 2025 10:55
 Operator : RC/JU
 Sample : Q2635-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2286MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

07/23/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: Jul 22 11:37:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.275	196	238695	43.512	ng	98	
46) 1,1'-Biphenyl	9.422	154	906851	42.350	ng	100	
47) 2-Chloronaphthalene	9.451	162	661581	41.755	ng	100	
48) 2-Nitroaniline	9.539	65	240330	48.368	ng	100	
49) Acenaphthylene	9.869	152	1121862	42.250	ng	100	
50) Dimethylphthalate	9.722	163	785971	43.933	ng	100	
51) 2,6-Dinitrotoluene	9.781	165	174789	48.027	ng	97	
52) Acenaphthene	10.039	154	717249	45.702	ng	98	
53) 3-Nitroaniline	9.945	138	141784	33.307	ng	99	
54) 2,4-Dinitrophenol	10.051	184	138218	83.480	ng	#	7
55) Dibenzofuran	10.210	168	992798	42.608	ng	99	
56) 4-Nitrophenol	10.104	139	276705	87.047	ng	98	
57) 2,4-Dinitrotoluene	10.181	165	229420	50.245	ng	98	
58) Fluorene	10.551	166	745825	42.649	ng	99	
59) 2,3,4,6-Tetrachlorophenol	10.328	232	198979	43.788	ng	99	
60) Diethylphthalate	10.422	149	793884	44.896	ng	100	
61) 4-Chlorophenyl-phenyle...	10.545	204	365015	41.919	ng	99	
62) 4-Nitroaniline	10.563	138	150125	41.149	ng	98	
63) Azobenzene	10.704	77	832376	45.166	ng	95	
65) 4,6-Dinitro-2-methylph...	10.592	198	93180	43.445	ng	96	
66) n-Nitrosodiphenylamine	10.657	169	658874	45.125	ng	99	
67) 4-Bromophenyl-phenylether	11.033	248	219163	44.351	ng	99	
68) Hexachlorobenzene	11.104	284	217668	42.143	ng	98	
69) Atrazine	11.186	200	195110	48.470	ng	99	
70) Pentachlorophenol	11.298	266	261343	86.042	ng	98	
71) Phenanthrene	11.516	178	1215848	55.224	ng	99	
72) Anthracene	11.569	178	1016264	45.259	ng	100	
73) Carbazole	11.716	167	837062	42.692	ng	99	
74) Di-n-butylphthalate	12.045	149	1092339	49.237	ng	99	
75) Fluoranthene	12.710	202	1347470	66.679	ng	99	
77) Benzidine	12.816	184	297349	27.933	ng	99	
78) Pyrene	12.939	202	1345473	57.059	ng	99	
80) Butylbenzylphthalate	13.545	149	367405	50.883	ng	98	
81) Benzo(a)anthracene	14.121	228	1033853	55.890	ng	99	
82) 3,3'-Dichlorobenzidine	14.074	252	138194	22.415	ng	100	
83) Chrysene	14.157	228	923571	55.532	ng	98	
84) Bis(2-ethylhexyl)phtha...	14.104	149	519551	47.538	ng	99	
85) Di-n-octyl phthalate	14.721	149	962953m	48.608	ng		
87) Indeno(1,2,3-cd)pyrene	17.180	276	555106	34.423	ng	99	
88) Benzo(b)fluoranthene	15.192	252	926002	66.280	ng	98	
89) Benzo(k)fluoranthene	15.221	252	688897	55.257	ng	98	
90) Benzo(a)pyrene	15.574	252	734037	57.025	ng	99	
91) Dibenzo(a,h)anthracene	17.192	278	397652	30.296	ng	99	
92) Benzo(g,h,i)perylene	17.645	276	449394	35.394	ng	100	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143181.D
Acq On : 22 Jul 2025 10:55
Operator : RC/JU
Sample : Q2635-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2286MSD

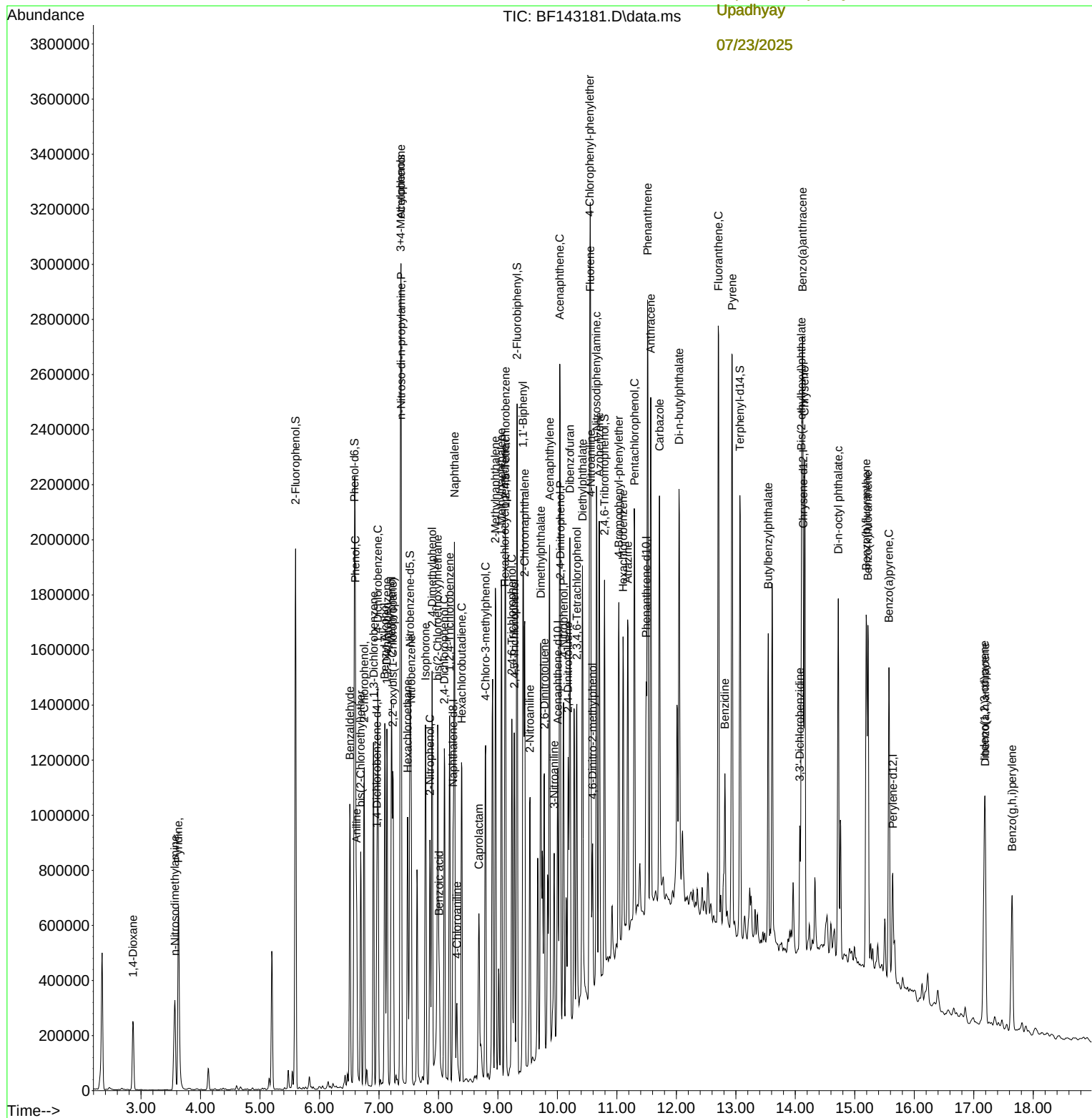
Manual Integrations
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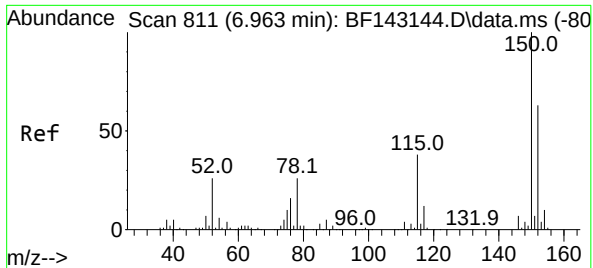
Reviewed By :Rahul
Chavli

07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025

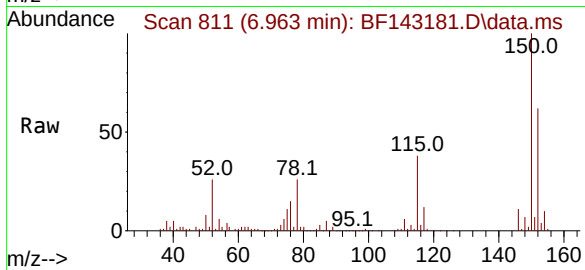
Quant Time: Jul 22 11:37:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



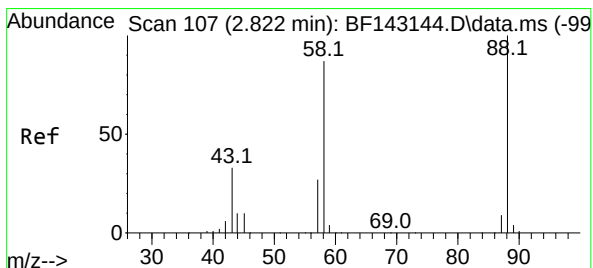
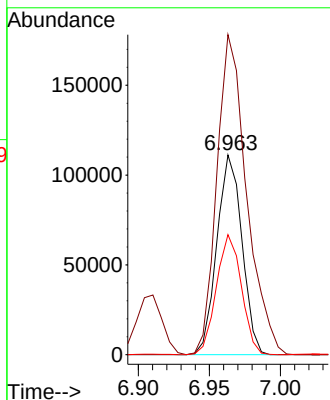
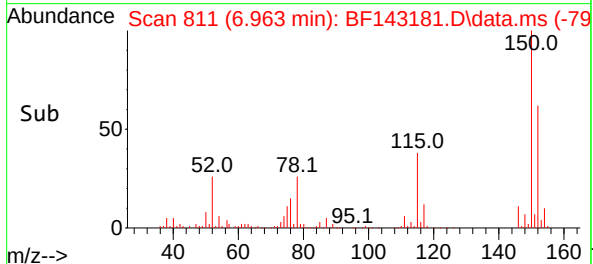
Tgt Ion:152 Resp: 136589
Ion Ratio Lower Upper
152 100
150 160.3 128.2 192.4
115 60.1 47.9 71.9

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Chavli

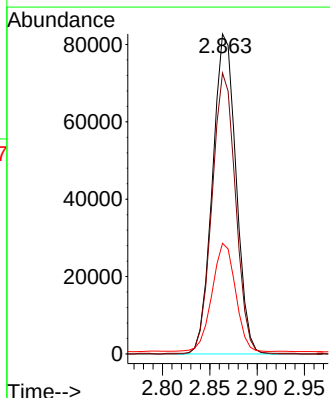
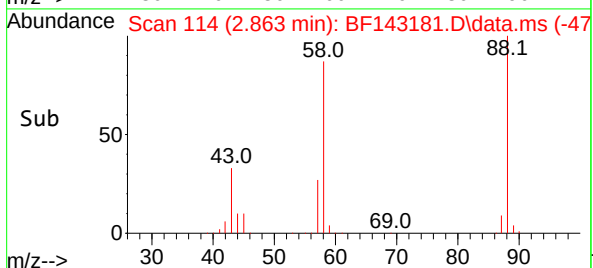
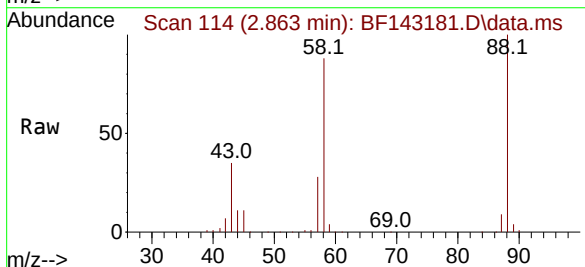
07/23/2025
Supervised By :Jagrut
Upadhyay

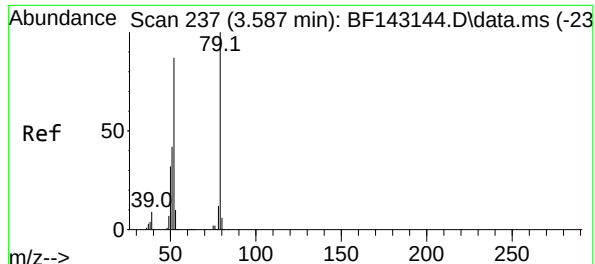
07/23/2025



#2
1,4-Dioxane
Concen: 34.971 ng
RT: 2.863 min Scan# 114
Delta R.T. 0.041 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

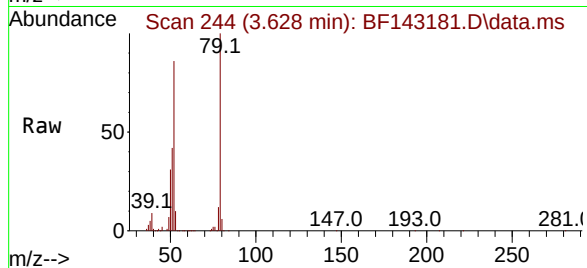
Tgt Ion: 88 Resp: 142826
Ion Ratio Lower Upper
88 100
58 87.9 70.2 105.2
43 33.6 27.1 40.7





#3
Pyridine
Concen: 36.555 ng
RT: 3.628 min Scan# 244
Delta R.T. 0.041 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



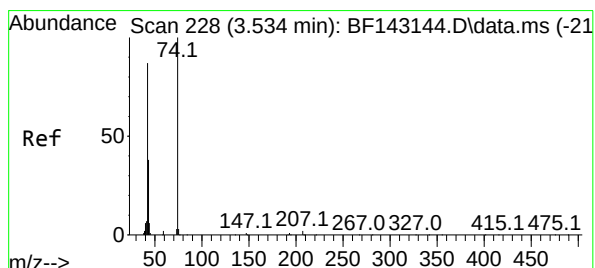
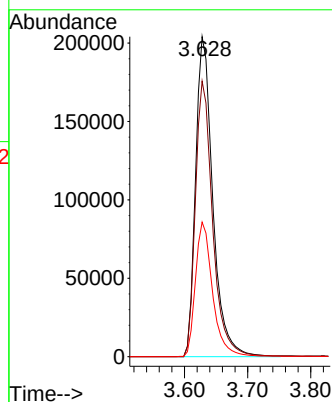
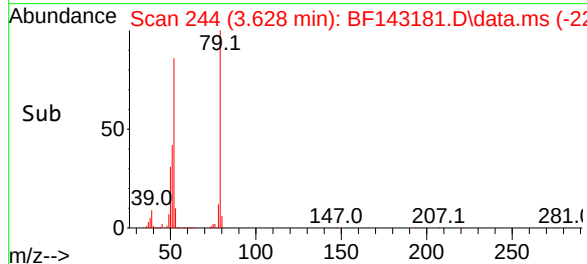
Tgt Ion: 79 Resp: 38751
Ion Ratio Lower Upper
79 100
52 86.1 69.4 104.2
51 42.0 33.5 50.3

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Chavli

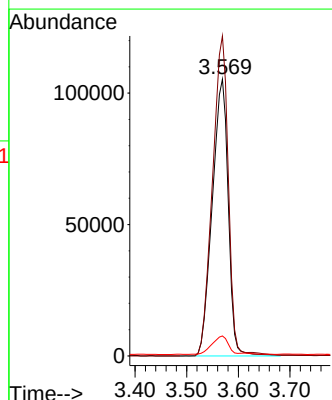
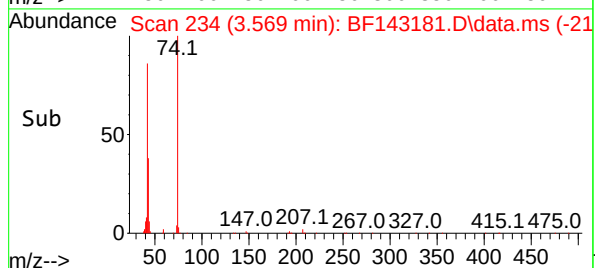
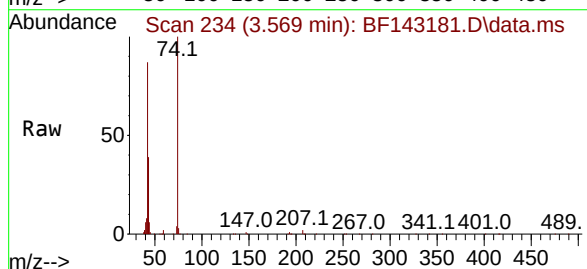
07/23/2025
Supervised By :Jagrut
Upadhyay

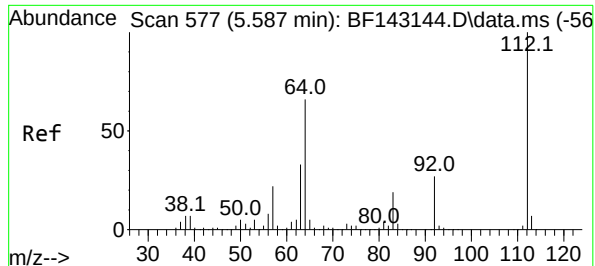
07/23/2025



#4
n-Nitrosodimethylamine
Concen: 41.396 ng
RT: 3.569 min Scan# 234
Delta R.T. 0.035 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

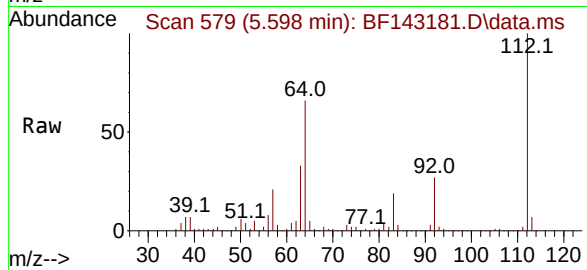
Tgt Ion: 42 Resp: 226567
Ion Ratio Lower Upper
42 100
74 115.6 91.7 137.5
44 7.2 5.6 8.4





#5
2-Fluorophenol
Concen: 82.969 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



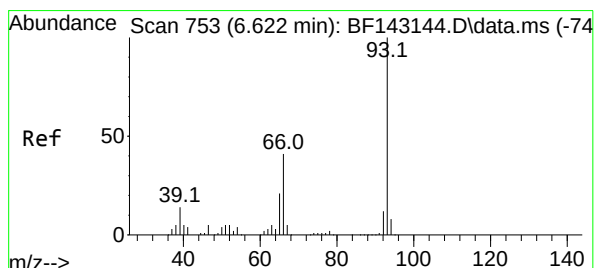
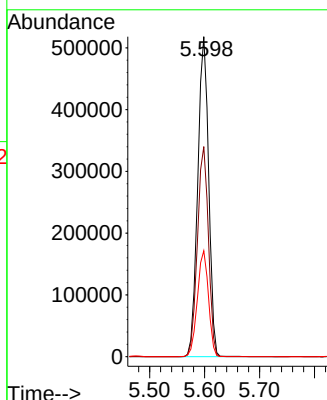
Tgt Ion:112 Resp: 71614
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.1 26.6 40.0

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Reviewed By :Rahul
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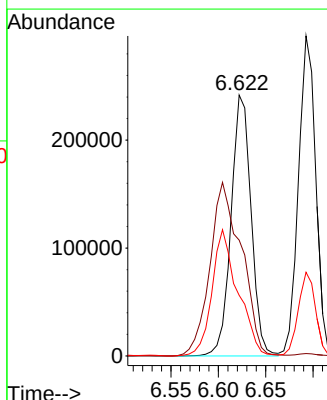
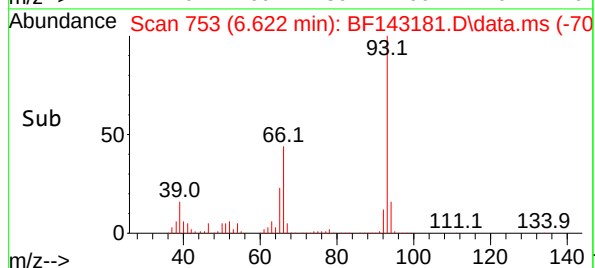
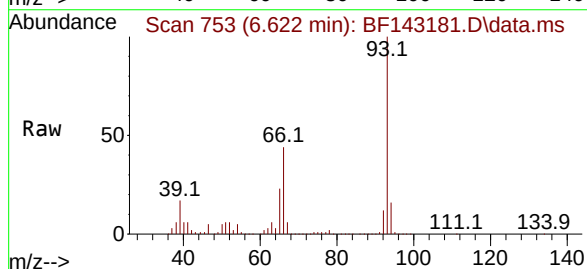
07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025

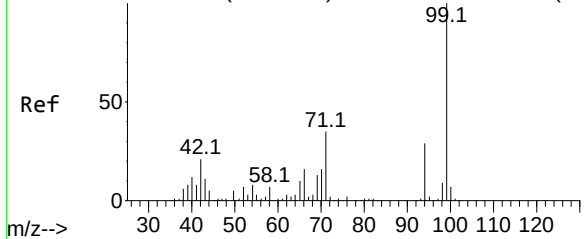


#6
Aniline
Concen: 23.491 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion: 93 Resp: 355683
Ion Ratio Lower Upper
93 100
66 44.4 33.2 49.8
65 23.2 16.9 25.3



Abundance Scan 747 (6.587 min): BF143144.D\data.ms (-73



#7

Phenol-d6

Concen: 86.147 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion: 99 Resp: 935920

Ion Ratio Lower Upper

99 100

42 21.9 17.0 25.6

71 34.8 27.7 41.5

Manual Integrations

APPROVED

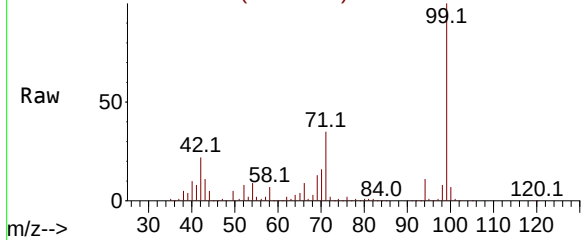
Reviewed By :Rahul
Chavli

07/23/2025

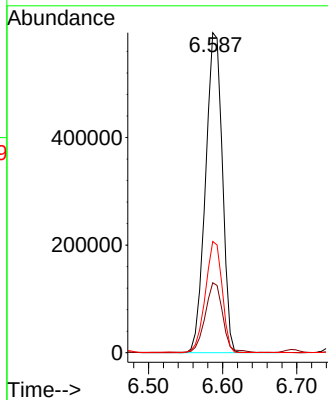
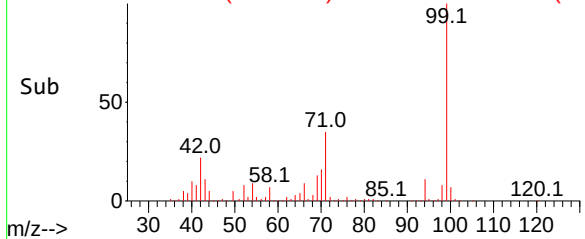
Supervised By :Jagrut
Upadhyay

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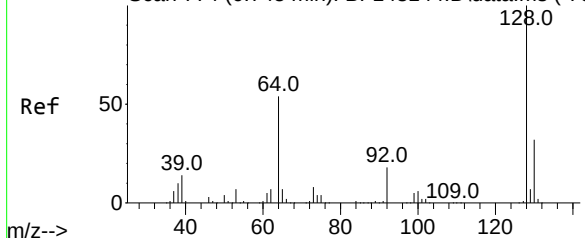
Abundance Scan 747 (6.587 min): BF143181.D\data.ms



Abundance Scan 747 (6.587 min): BF143181.D\data.ms (-69



Abundance Scan 774 (6.745 min): BF143144.D\data.ms (-76



#8

2-Chlorophenol

Concen: 42.098 ng

RT: 6.751 min Scan# 775

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Tgt Ion:128 Resp: 380878

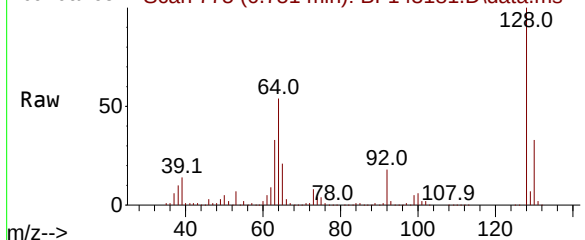
Ion Ratio Lower Upper

128 100

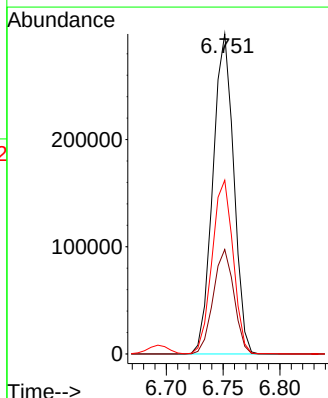
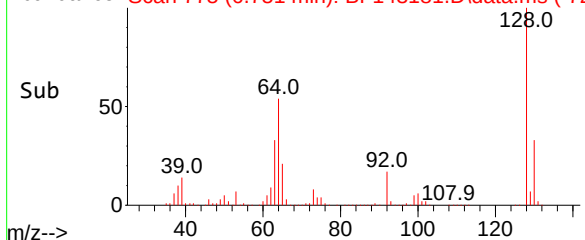
130 32.6 12.3 52.3

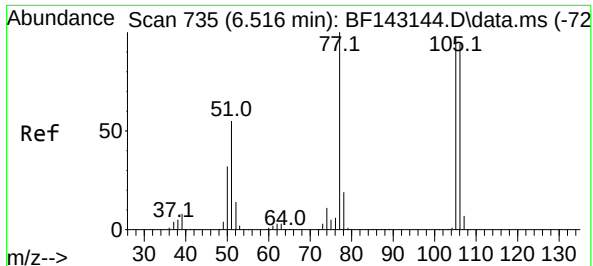
64 54.3 35.9 75.9

Abundance Scan 775 (6.751 min): BF143181.D\data.ms



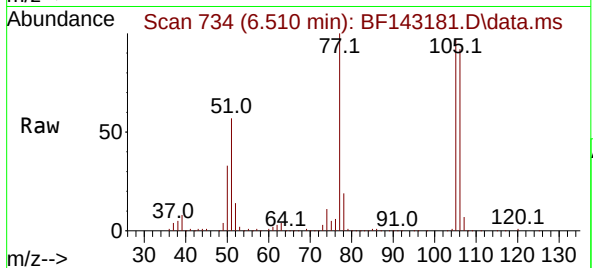
Abundance Scan 775 (6.751 min): BF143181.D\data.ms (-72





#9
Benzaldehyde
Concen: 32.860 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



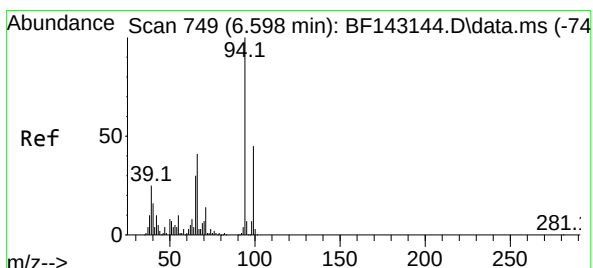
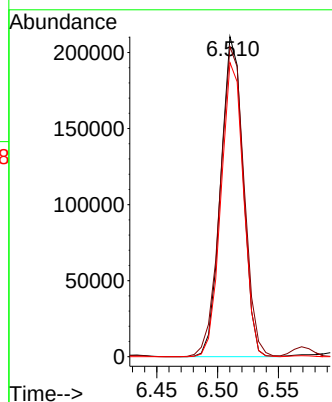
Tgt Ion: 77 Resp: 267699
Ion Ratio Lower Upper
77 100
105 96.8 76.8 116.8
106 91.9 74.4 114.4

Manual Integrations
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Reviewed By :Rahul
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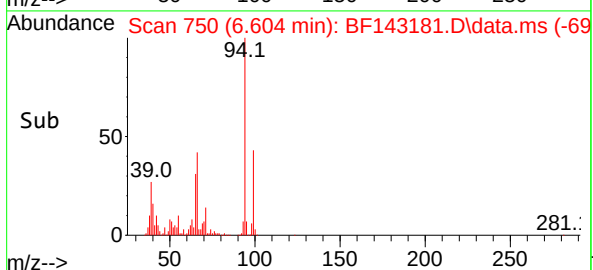
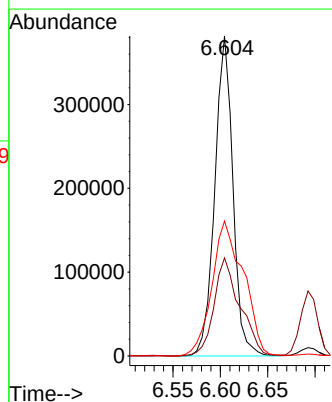
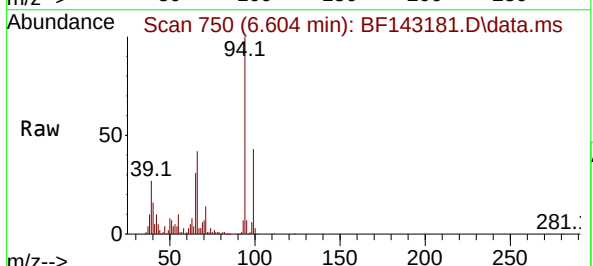
07/23/2025
Supervised By :Jagrut
Upadhyay

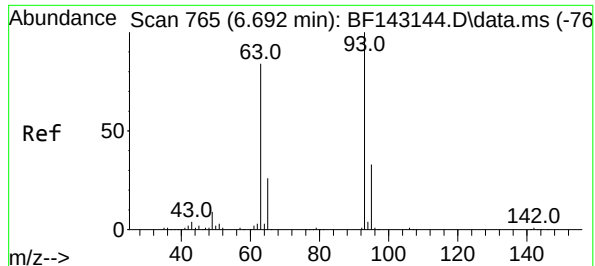
07/23/2025



#10
Phenol
Concen: 42.917 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion: 94 Resp: 507938
Ion Ratio Lower Upper
94 100
65 30.6 10.0 50.0
66 42.2 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 41.437 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion: 93 Resp: 375500

Ion Ratio Lower Upper

93 100

63 82.5 63.4 103.4

95 32.4 12.4 52.4

Manual Integrations

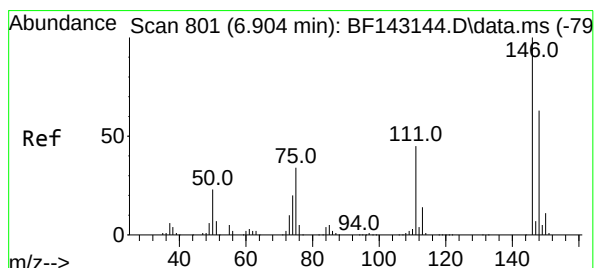
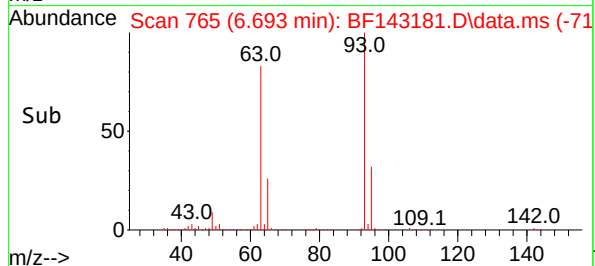
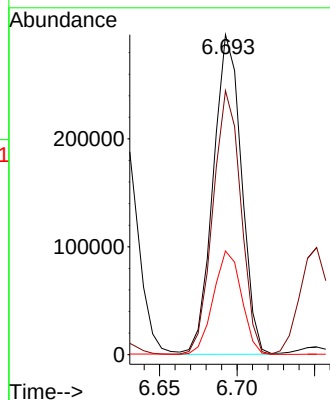
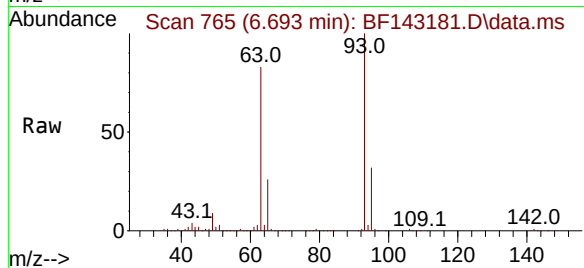
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#12

1,3-Dichlorobenzene

Concen: 40.301 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

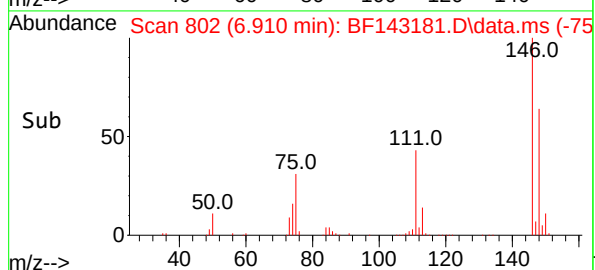
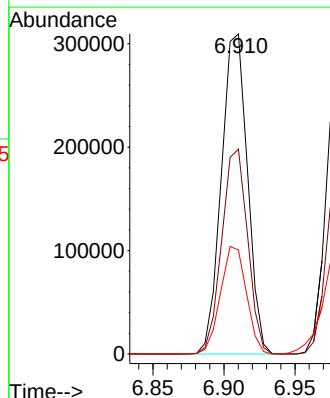
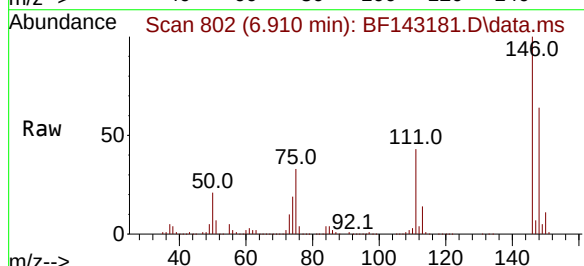
Tgt Ion:146 Resp: 396098

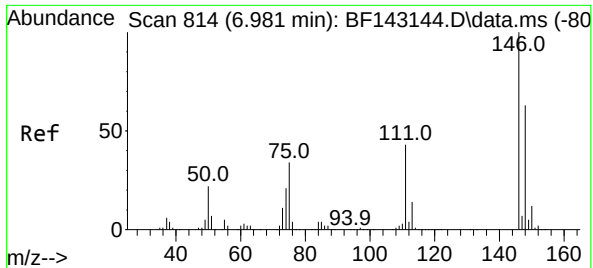
Ion Ratio Lower Upper

146 100

148 64.0 50.6 76.0

75 32.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 40.480 ng

RT: 6.981 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:146 Resp: 400660

Ion Ratio Lower Upper

146 100

148 63.7 50.3 75.5

111 43.4 34.4 51.6

Manual Integrations

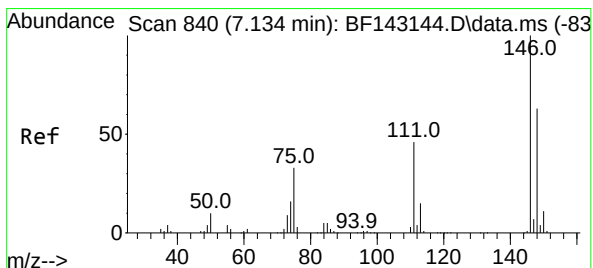
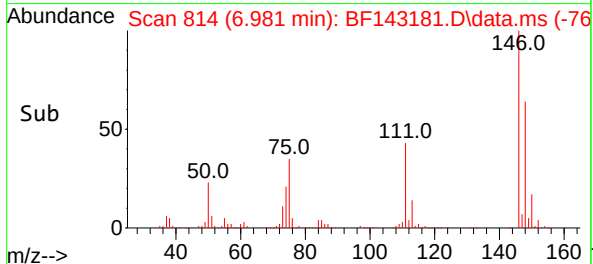
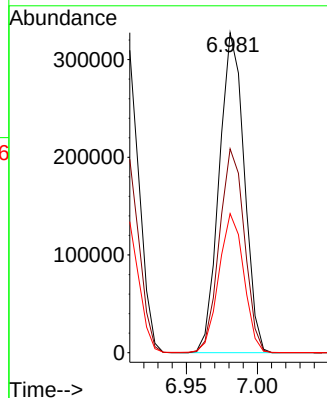
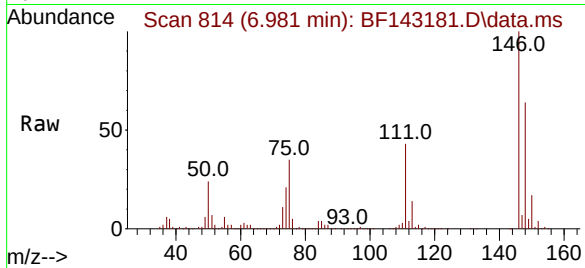
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#14

1,2-Dichlorobenzene

Concen: 40.994 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

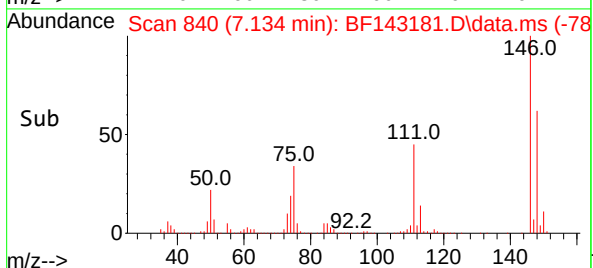
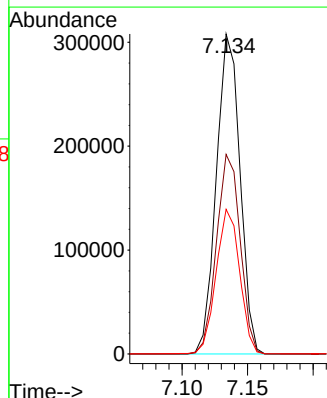
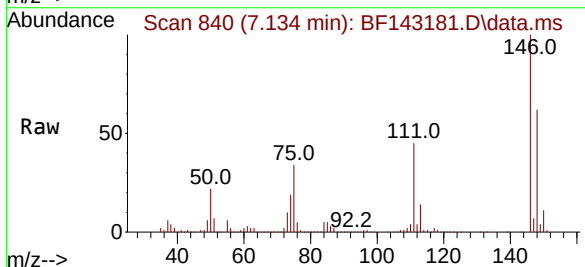
Tgt Ion:146 Resp: 385915

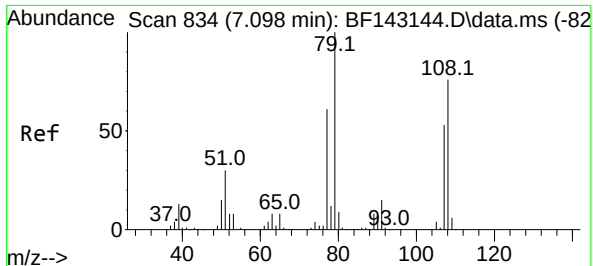
Ion Ratio Lower Upper

146 100

148 62.3 50.7 76.1

111 45.2 36.6 54.8





#15

Benzyl Alcohol

Concen: 44.206 ng

RT: 7.098 min Scan# 834

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Tgt Ion: 79 Resp: 366700

Ion Ratio Lower Upper

79 100

108 75.0 61.1 91.7

77 60.2 48.9 73.3

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Manual Integrations

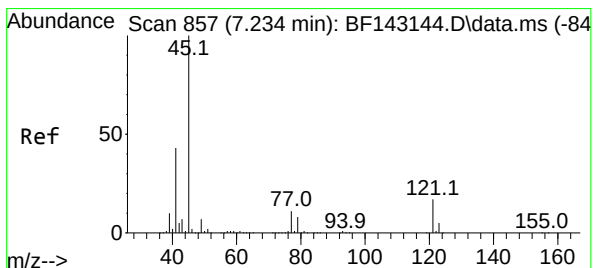
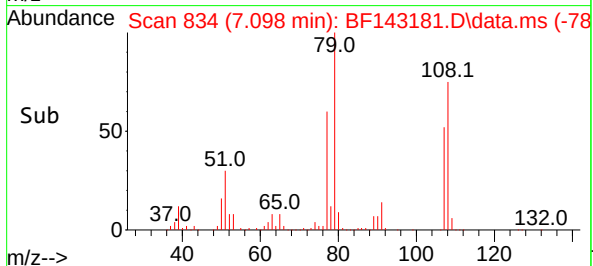
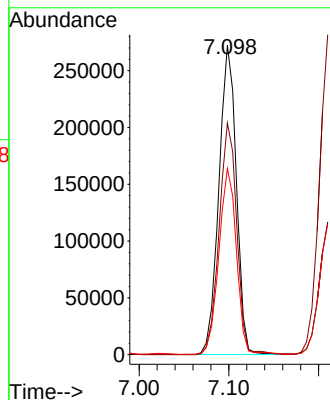
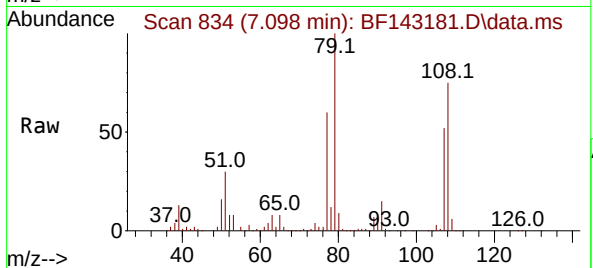
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.357 ng

RT: 7.234 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

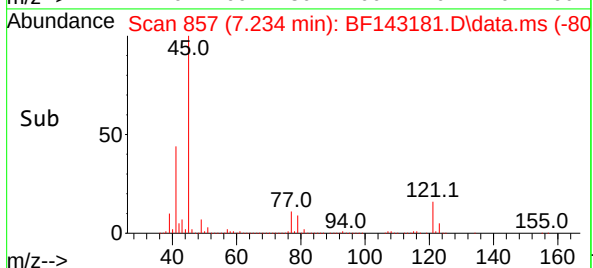
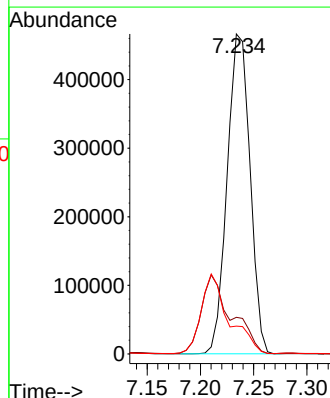
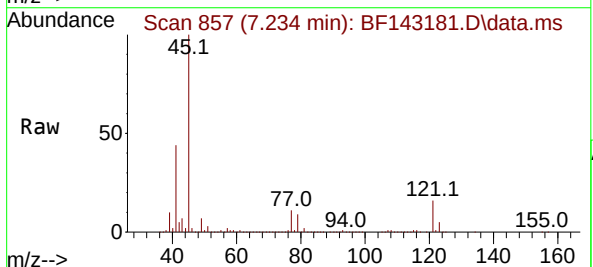
Tgt Ion: 45 Resp: 695231

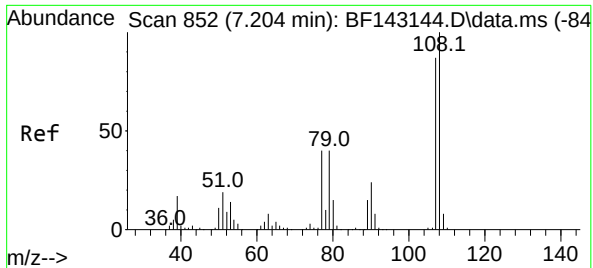
Ion Ratio Lower Upper

45 100

77 11.4 0.0 31.2

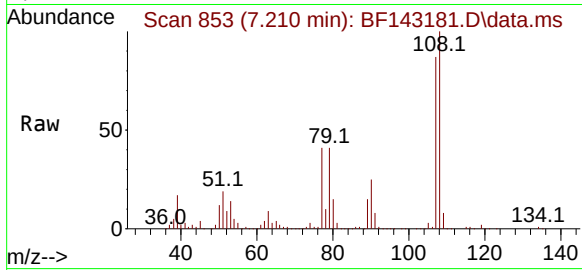
79 8.7 0.0 28.5





#17
2-Methylphenol
Concen: 42.538 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



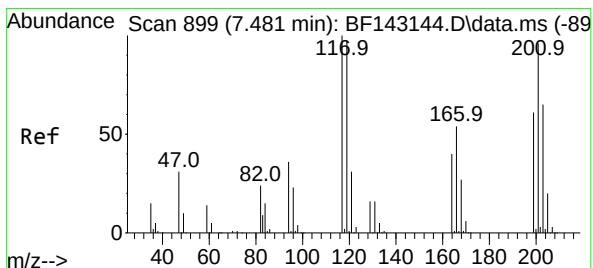
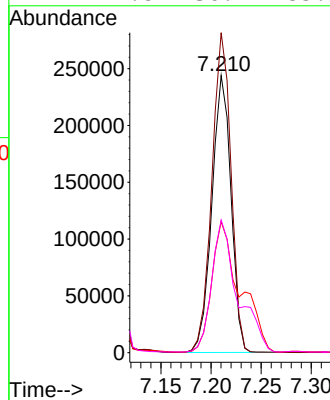
Tgt Ion:107 Resp: 323602
Ion Ratio Lower Upper
107 100
108 115.5 91.8 137.6
77 47.3 37.0 55.6
79 47.8 36.9 55.3

Manual Integrations
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Chavli

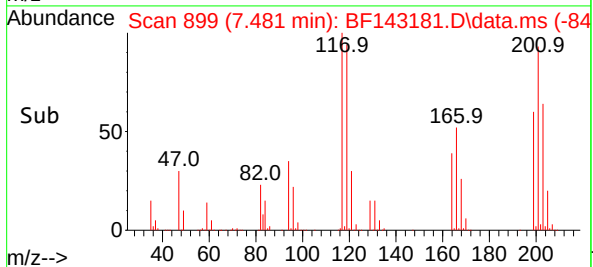
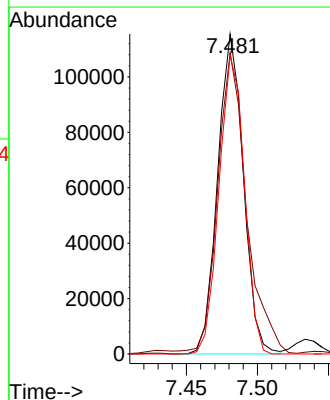
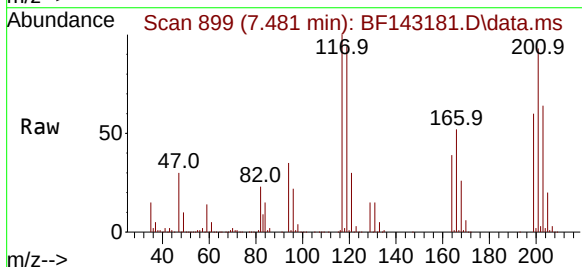
07/23/2025
Supervised By :Jagrut
Upadhyay

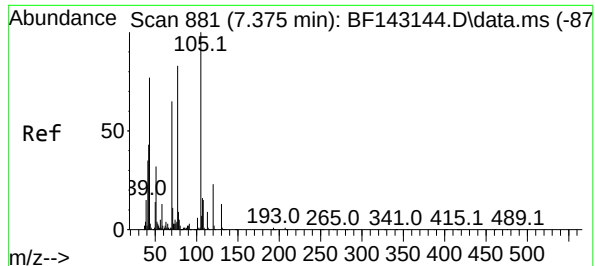
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#18
Hexachloroethane
Concen: 42.489 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:117 Resp: 145589
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.8
201 93.3 77.0 115.4





#19

n-Nitroso-di-n-propylamine

Concen: 40.484 ng

RT: 7.375 min Scan# 881

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion: 70 Resp: 28218

Ion Ratio Lower Upper

70 100

42 66.8 52.5 78.7

101 9.9 7.6 11.4

130 20.6 16.1 24.1

Manual Integrations

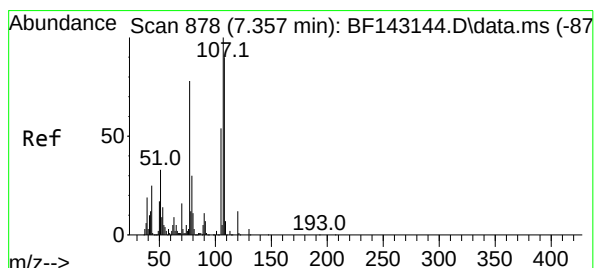
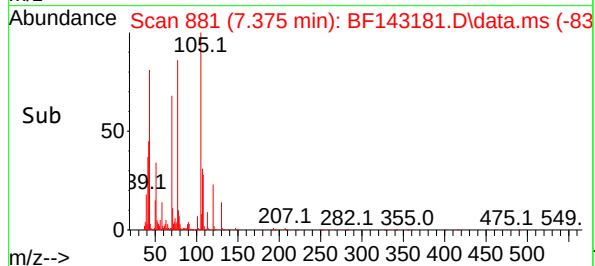
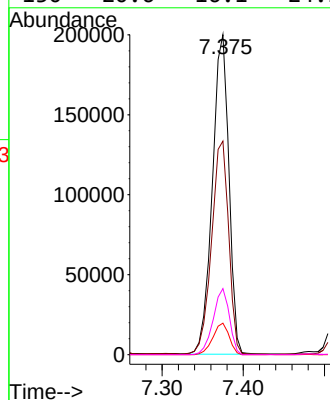
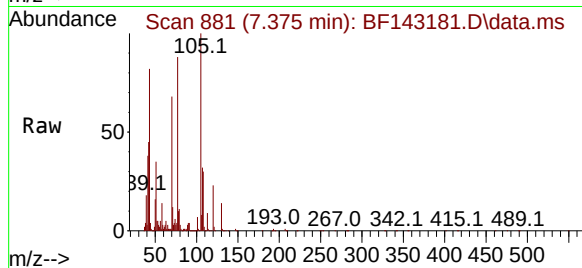
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

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#20

3+4-Methylphenols

Concen: 42.952 ng

RT: 7.363 min Scan# 879

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Tgt Ion:107 Resp: 396436

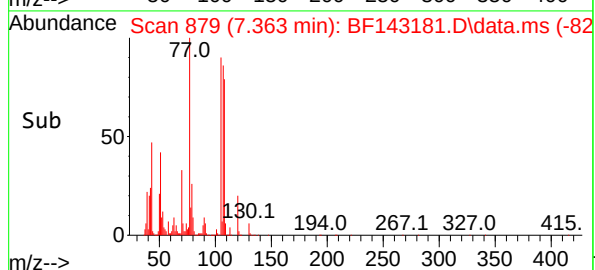
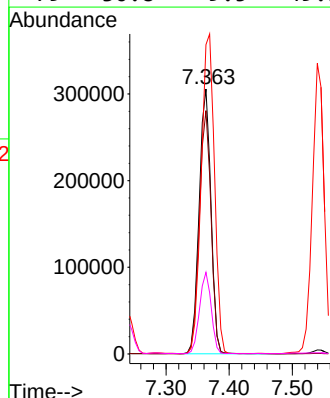
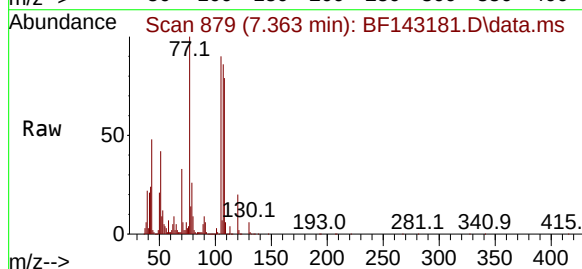
Ion Ratio Lower Upper

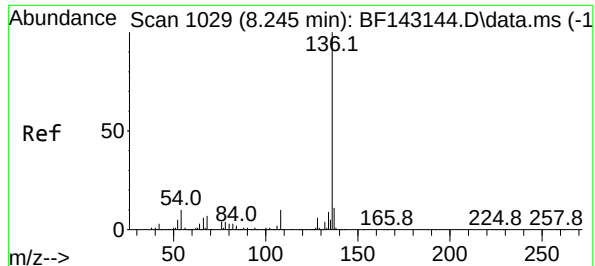
107 100

108 91.8 70.0 110.0

77 116.7 57.8 97.8#

79 30.8 9.5 49.5





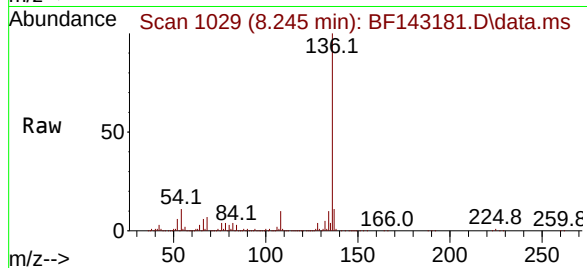
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



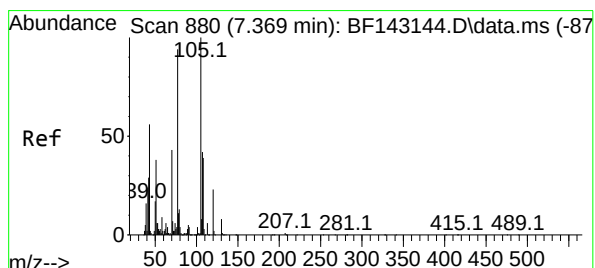
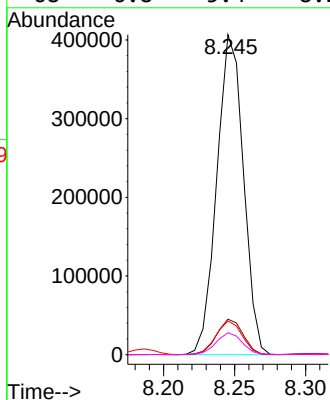
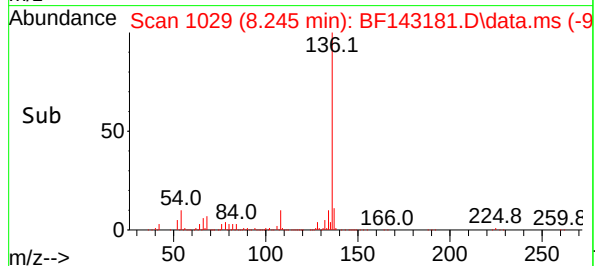
Tgt Ion:136 Resp: 529762
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.6 8.2 12.2
68 6.8 5.4 8.2

Manual Integrations
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Reviewed By :Rahul
Chavli

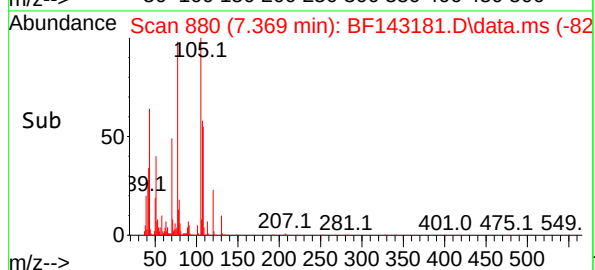
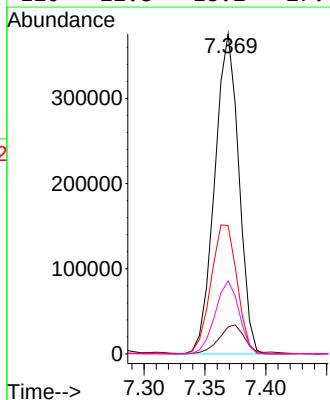
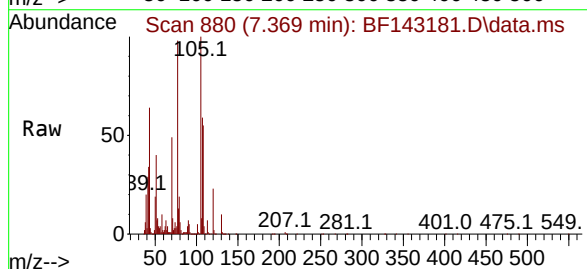
07/23/2025
Supervised By :Jagrut
Upadhyay

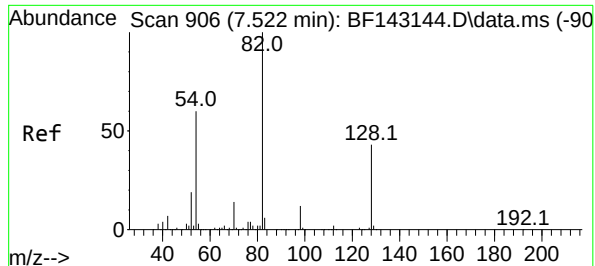
07/23/2025



#22
Acetophenone
Concen: 41.311 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:105 Resp: 518130
Ion Ratio Lower Upper
105 100
71 8.5 5.8 8.6
51 40.1 30.2 45.2
120 22.8 18.2 27.4





#23

Nitrobenzene-d5

Concen: 57.720 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion: 82 Resp: 613430

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 59.2 47.1 70.7

Manual Integrations

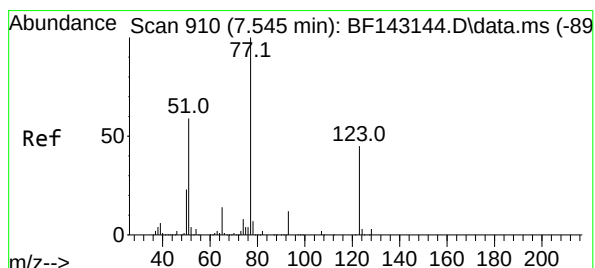
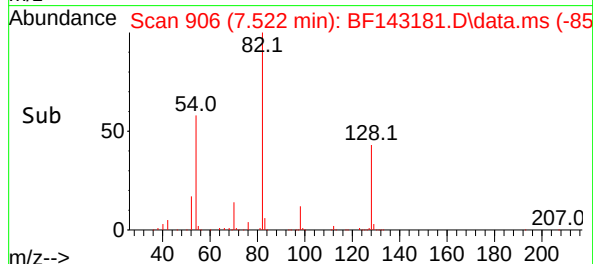
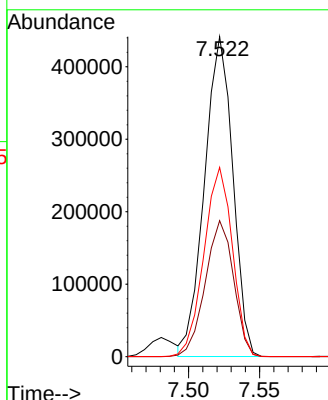
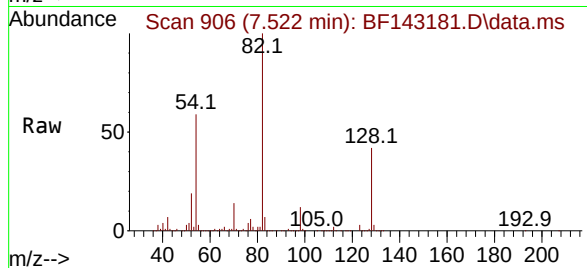
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Reviewed By :Rahul
Chavli

07/23/2025

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Upadhyay

07/23/2025



#24

Nitrobenzene

Concen: 43.395 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

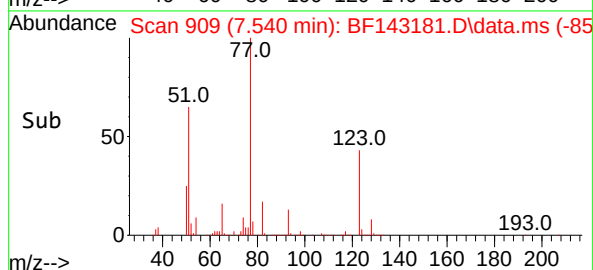
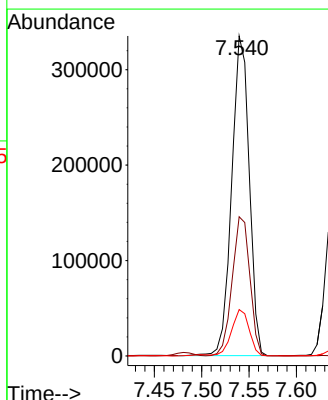
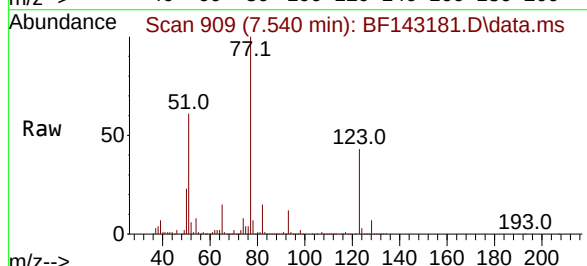
Tgt Ion: 77 Resp: 429974

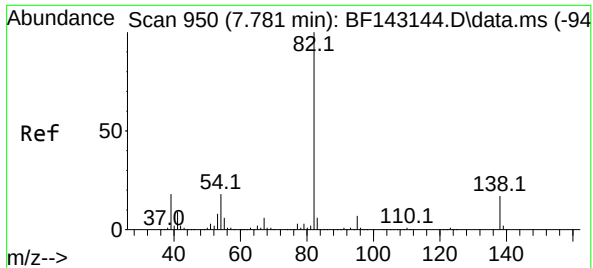
Ion Ratio Lower Upper

77 100

123 43.5 36.1 54.1

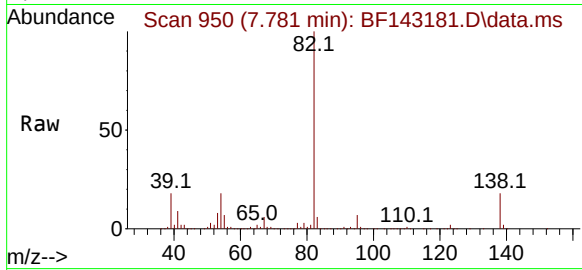
65 14.5 11.4 17.2





#25
Isophorone
Concen: 42.282 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



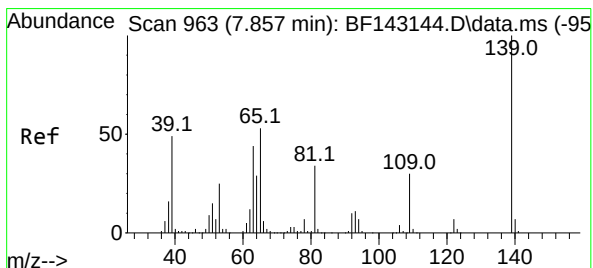
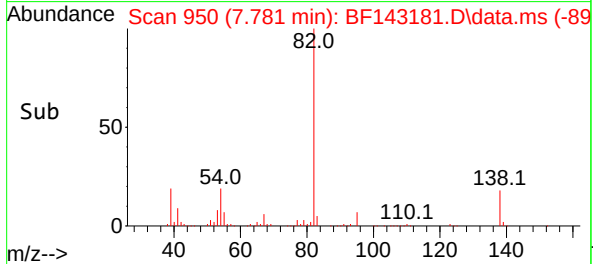
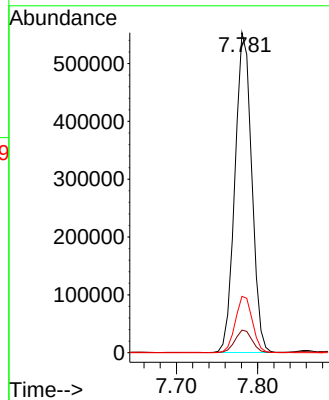
Tgt Ion: 82 Resp: 793270
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.6 13.8 20.8

Manual Integrations
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Reviewed By :Rahul
Chavli

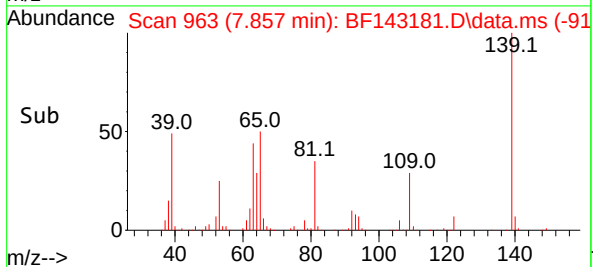
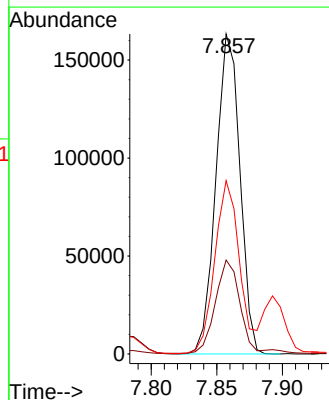
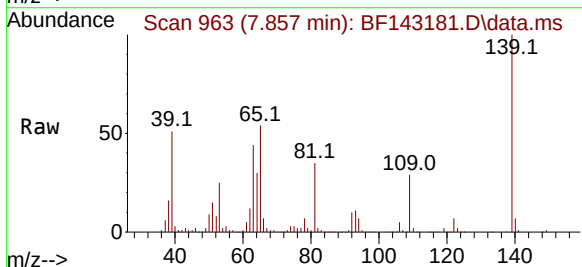
07/23/2025
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Upadhyay

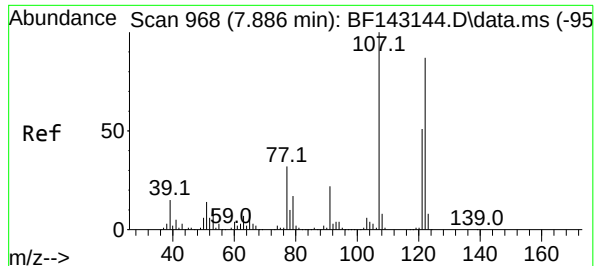
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#26
2-Nitrophenol
Concen: 48.321 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:139 Resp: 207791
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 54.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 42.358 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:122 Resp: 37128

Ion Ratio Lower Upper

122 100

107 114.9 91.8 137.6

121 57.2 46.3 69.5

Manual Integrations

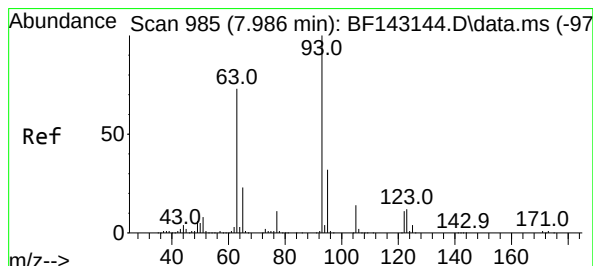
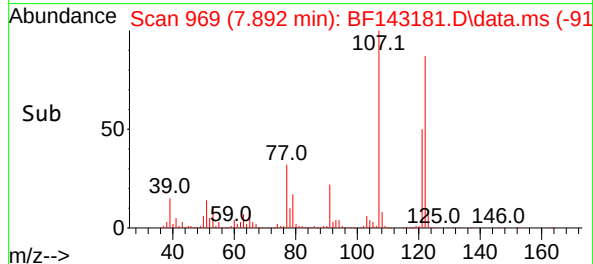
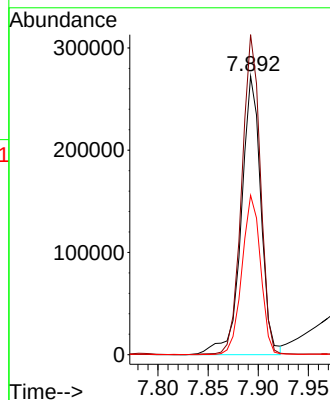
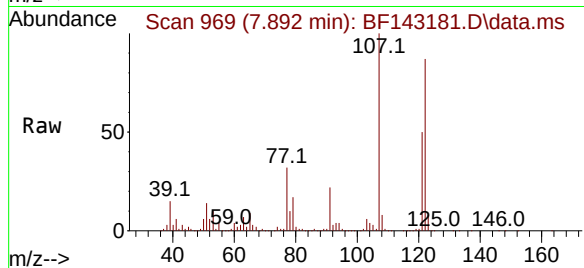
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

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#28

bis(2-Chloroethoxy)methane

Concen: 41.702 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

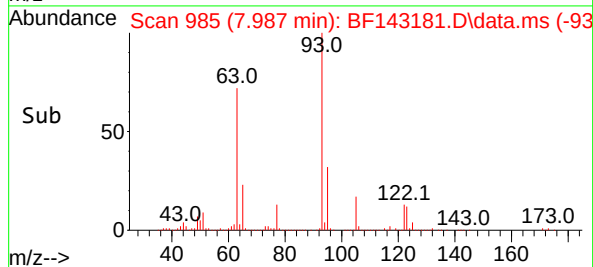
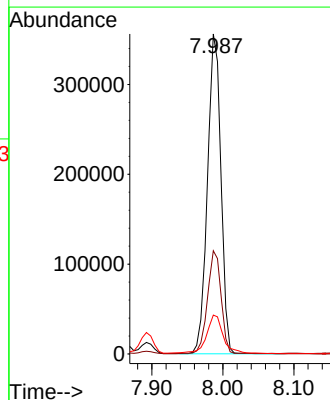
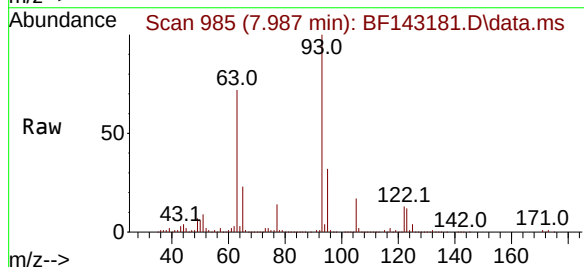
Tgt Ion: 93 Resp: 469100

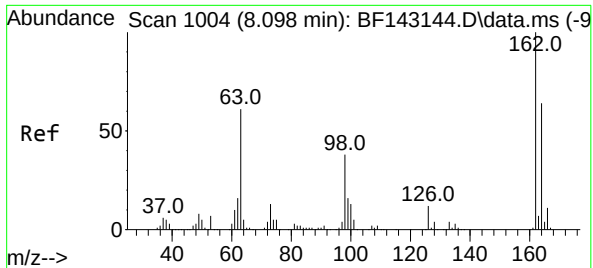
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.6

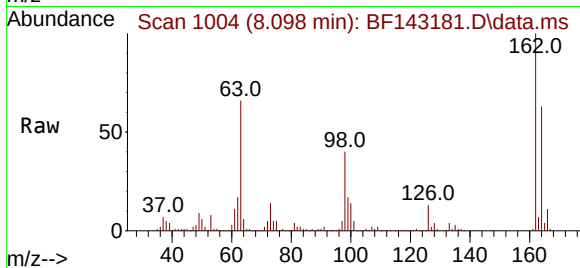
123 12.2 9.7 14.5





#29
2,4-Dichlorophenol
Concen: 42.863 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



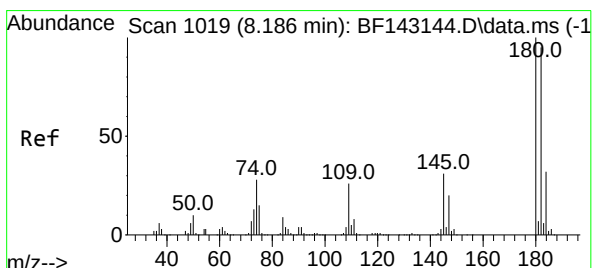
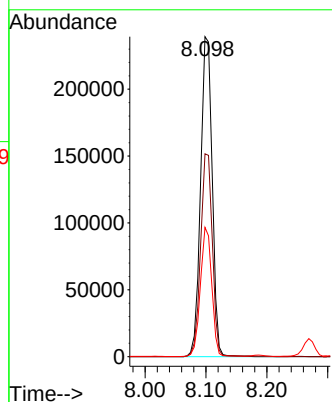
Tgt Ion:162 Resp: 316852
Ion Ratio Lower Upper
162 100
164 63.4 44.2 84.2
98 40.4 17.9 57.9

Manual Integrations
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Reviewed By :Rahul
Chavli

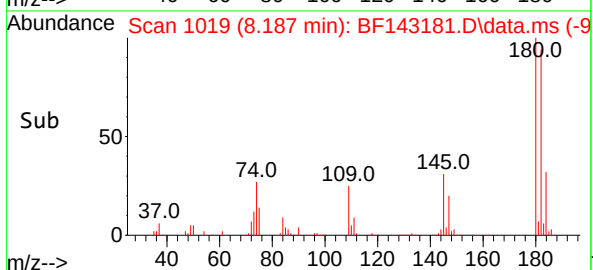
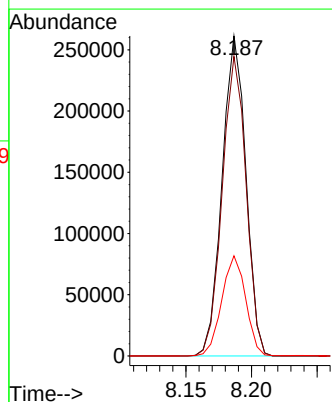
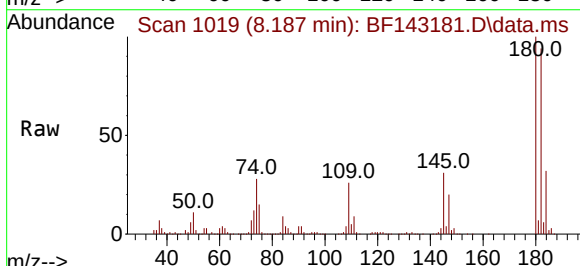
07/23/2025
Supervised By :Jagrut
Upadhyay

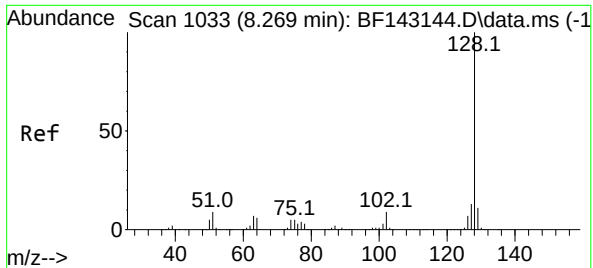
07/23/2025



#30
1,2,4-Trichlorobenzene
Concen: 41.232 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

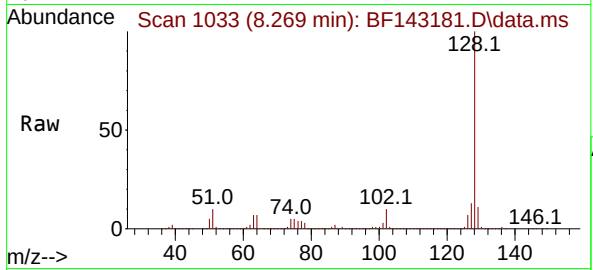
Tgt Ion:180 Resp: 329282
Ion Ratio Lower Upper
180 100
182 93.6 76.2 114.2
145 31.3 25.0 37.6





#31
Naphthalene
Concen: 44.458 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



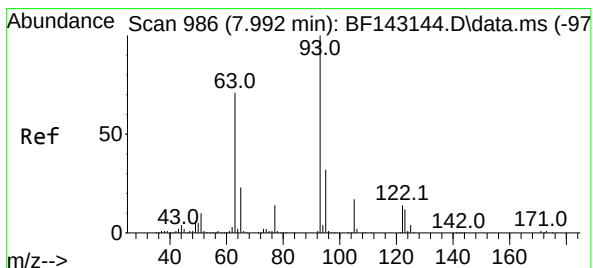
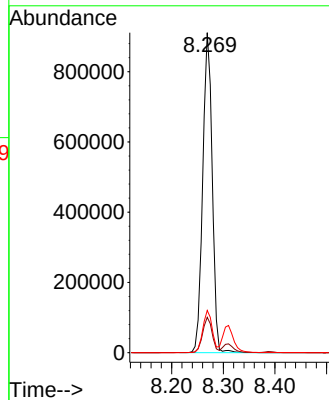
Tgt Ion:128 Resp: 1159919
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.6 16.0

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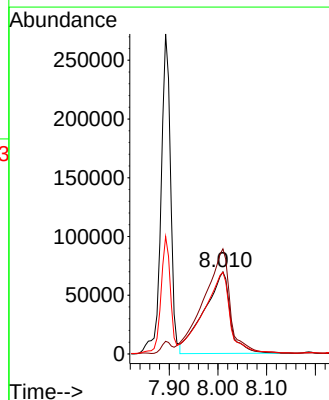
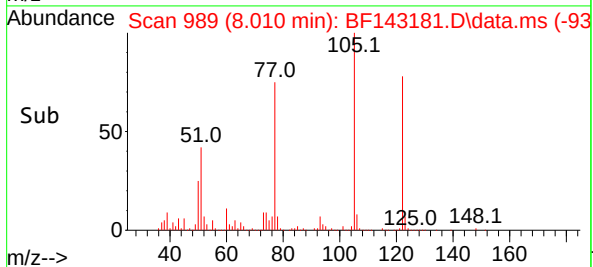
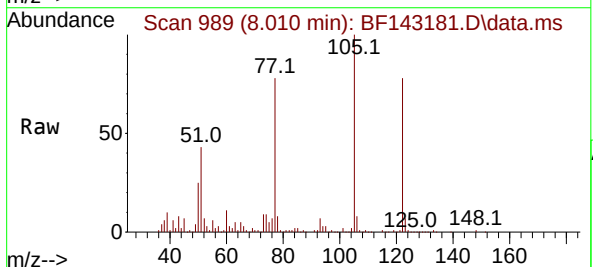
07/23/2025
Supervised By :Jagrut
Upadhyay

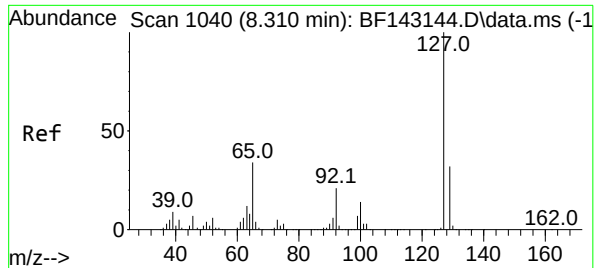
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#32
Benzoic acid
Concen: 52.195 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:122 Resp: 260227
Ion Ratio Lower Upper
122 100
105 128.1 104.8 144.8
77 99.6 77.6 117.6





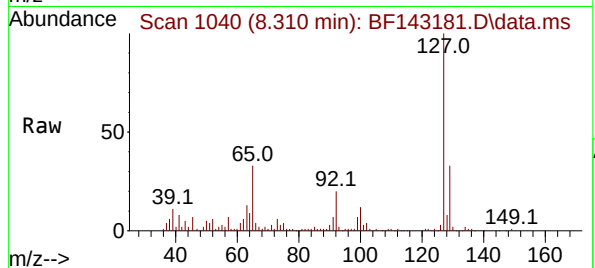
#33
4-Chloroaniline
Concen: 10.785 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



Tgt Ion:127 Resp: 114890
Ion Ratio Lower Upper
127 100
129 32.6 26.0 39.0
65 33.1 27.4 41.2
92 19.7 16.8 25.2

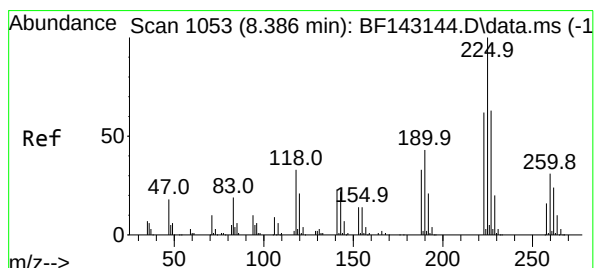
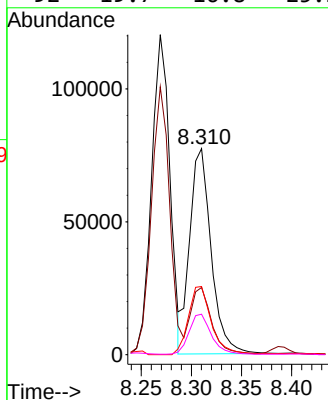
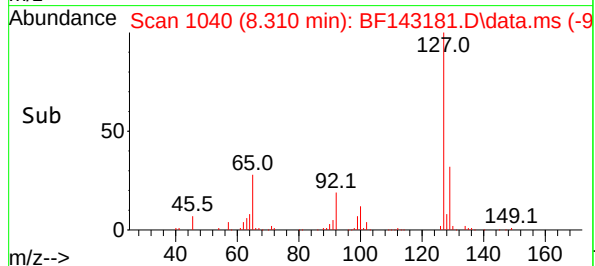
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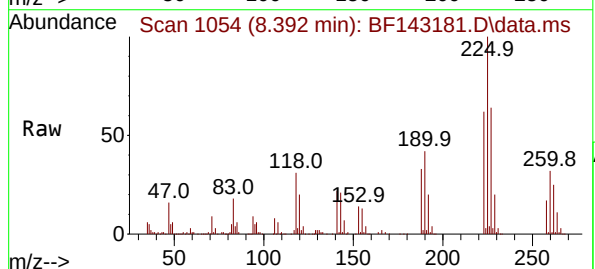
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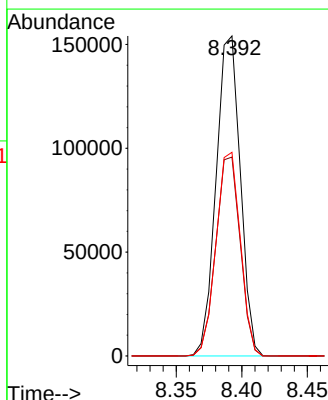
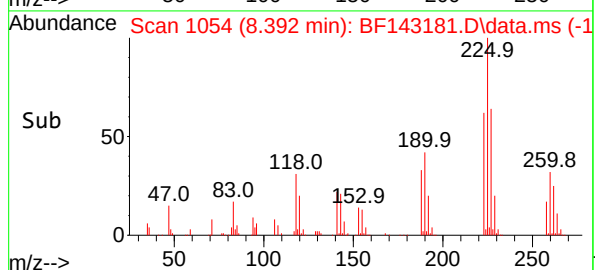
07/23/2025

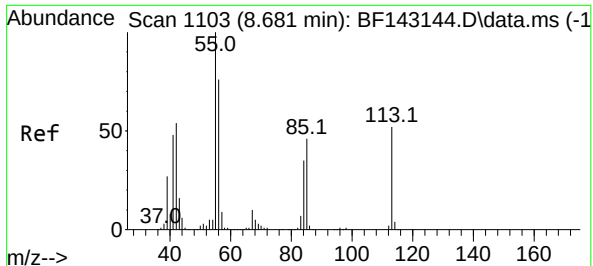


#34
Hexachlorobutadiene
Concen: 40.563 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55



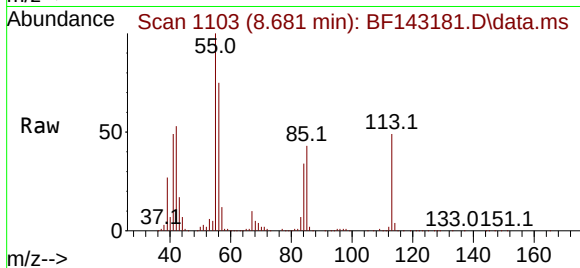
Tgt Ion:225 Resp: 197888
Ion Ratio Lower Upper
225 100
223 62.2 49.8 74.6
227 63.7 50.2 75.4





#35
Caprolactam
Concen: 51.232 ng
RT: 8.681 min Scan# 1103
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



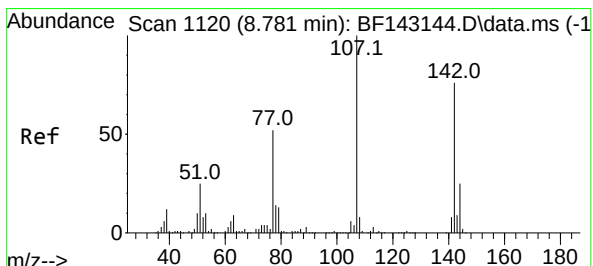
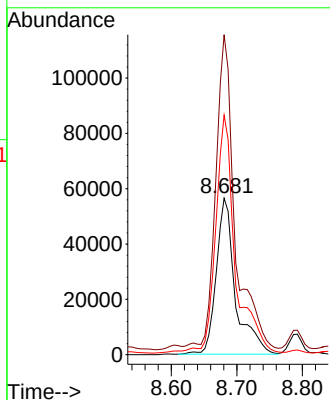
Tgt Ion:113 Resp: 11444
Ion Ratio Lower Upper
113 100
55 204.6 174.0 214.0
56 153.2 126.6 166.6

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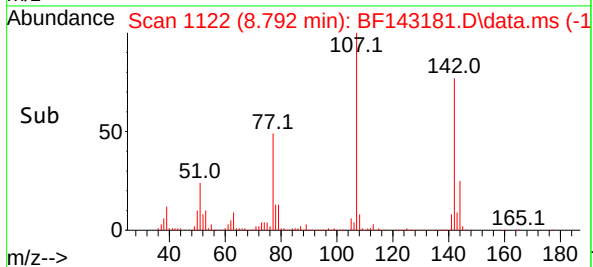
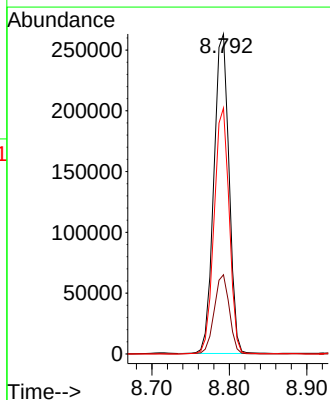
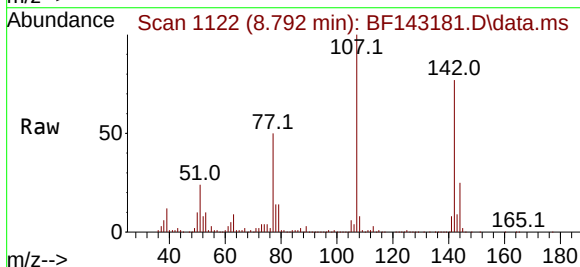
07/23/2025
Supervised By :Jagrut
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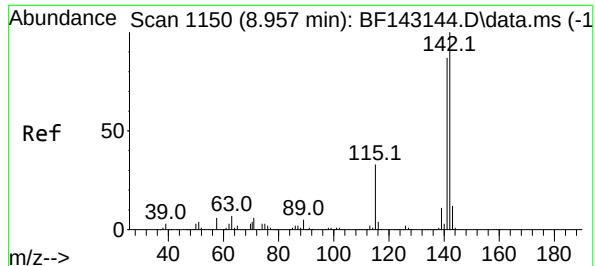
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#36
4-Chloro-3-methylphenol
Concen: 44.590 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:107 Resp: 358269
Ion Ratio Lower Upper
107 100
144 24.8 19.8 29.6
142 76.9 60.6 90.8





#37
2-Methylnaphthalene
Concen: 43.229 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD

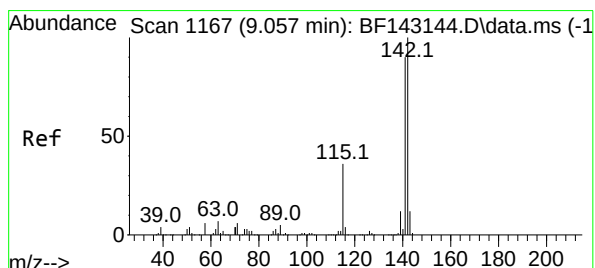
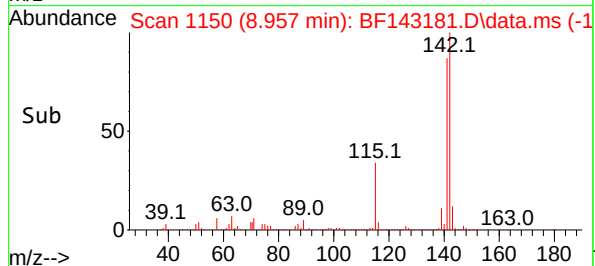
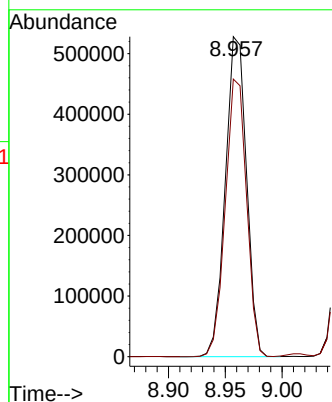
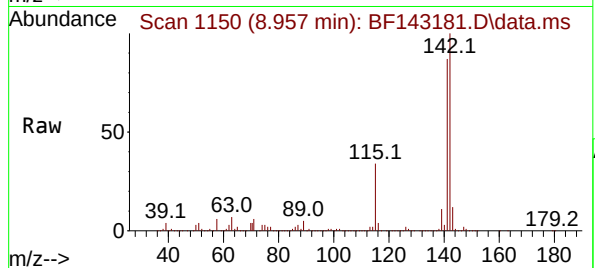
Tgt Ion:142 Resp: 686312
Ion Ratio Lower Upper
142 100
141 86.8 69.9 104.9

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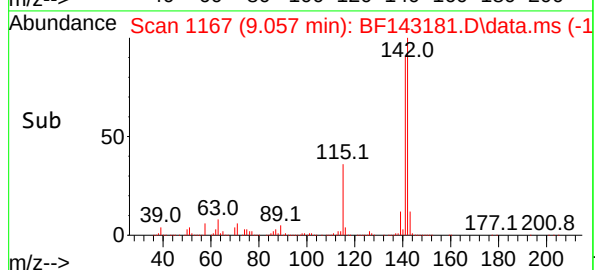
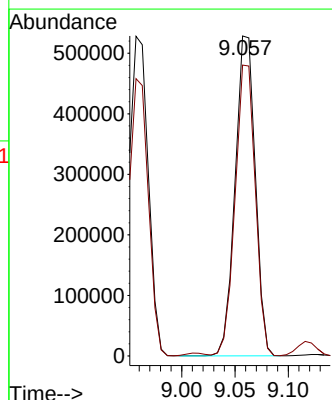
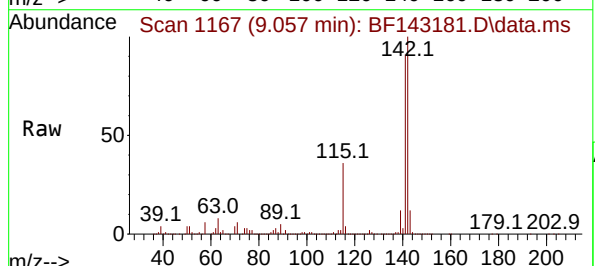
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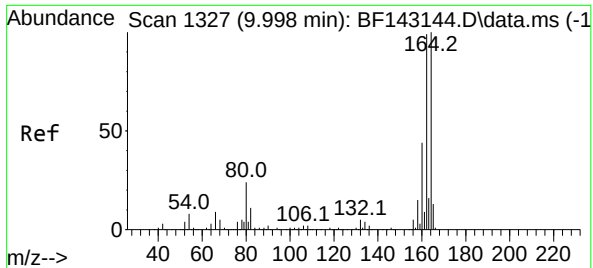
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#38
1-Methylnaphthalene
Concen: 42.680 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

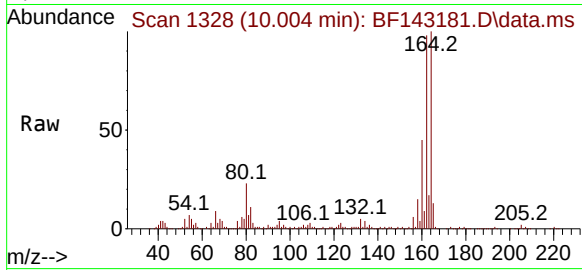
Tgt Ion:142 Resp: 697758
Ion Ratio Lower Upper
142 100
141 90.9 72.3 108.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



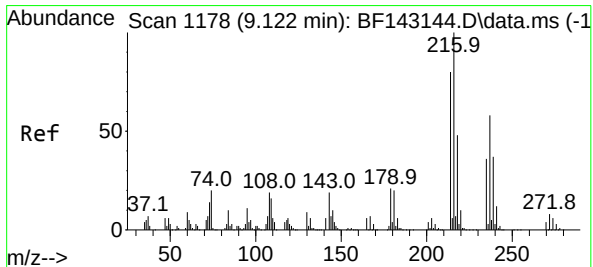
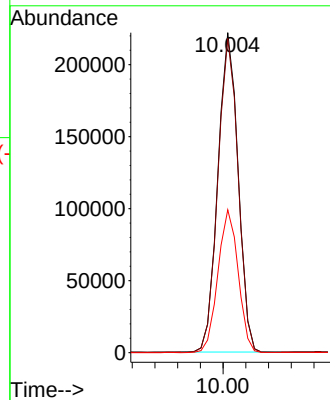
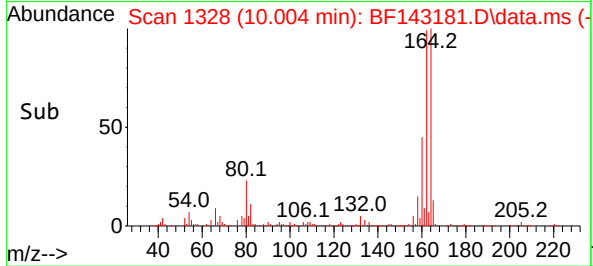
Tgt Ion:164 Resp: 274462
Ion Ratio Lower Upper
164 100
162 98.2 79.0 118.6
160 44.7 35.1 52.7

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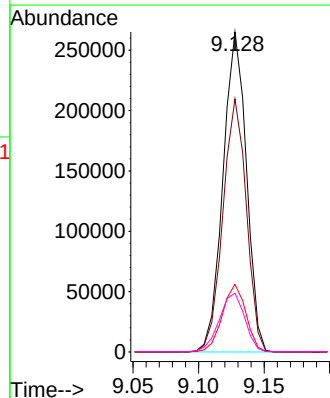
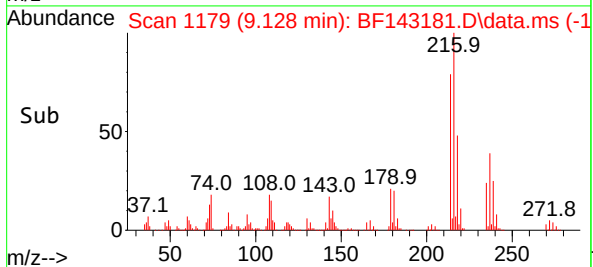
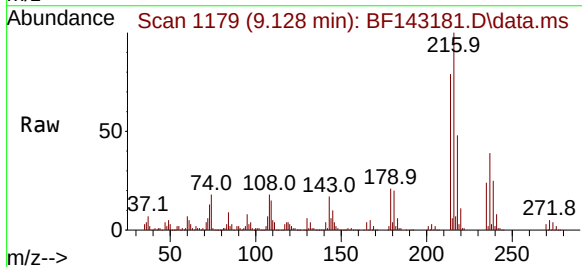
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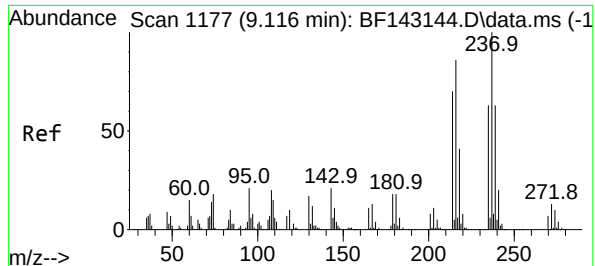
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.506 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:216 Resp: 328897
Ion Ratio Lower Upper
216 100
214 79.1 63.8 95.8
179 21.2 16.4 24.6
108 19.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 46.829 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:237 Resp: 241440

Ion Ratio Lower Upper

237 100

235 62.6 43.0 83.0

272 12.7 0.0 33.3

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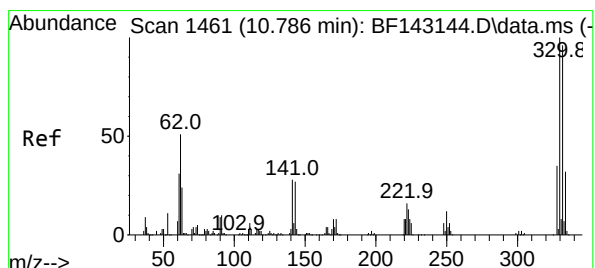
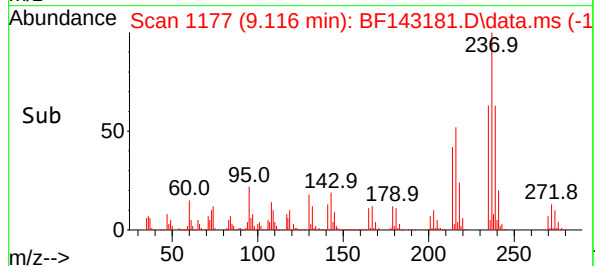
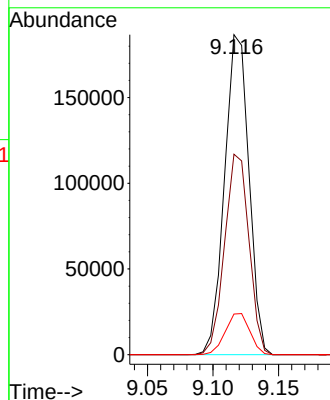
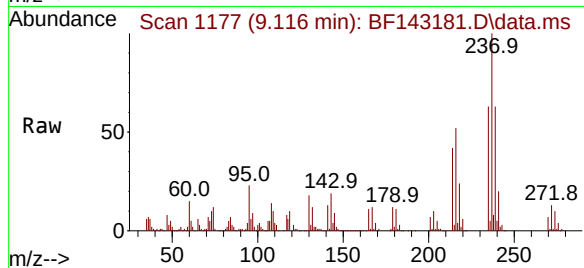
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#42

2,4,6-Tribromophenol

Concen: 86.354 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

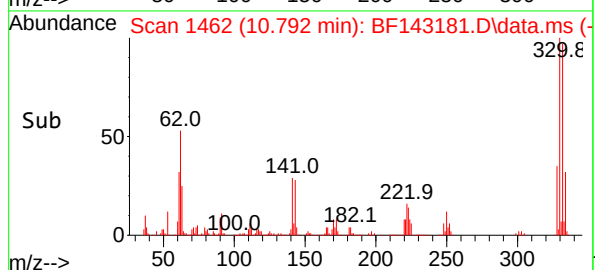
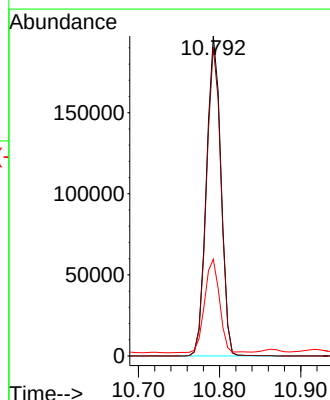
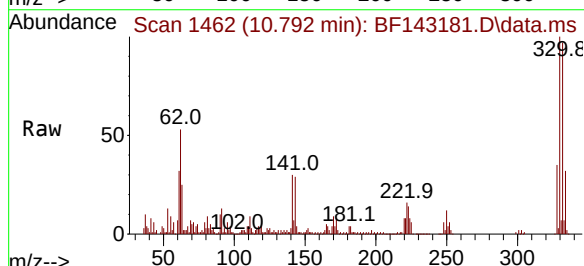
Tgt Ion:330 Resp: 244844

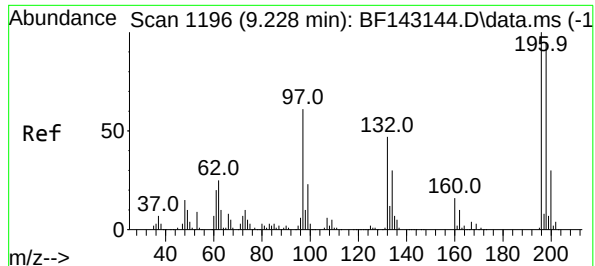
Ion Ratio Lower Upper

330 100

332 96.5 76.7 115.1

141 29.8 23.3 34.9





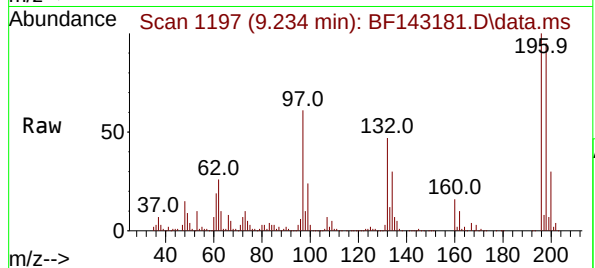
#43
2,4,6-Trichlorophenol
Concen: 43.470 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



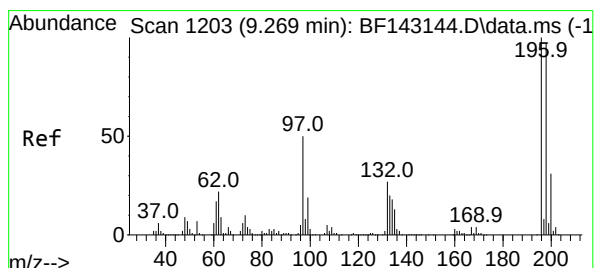
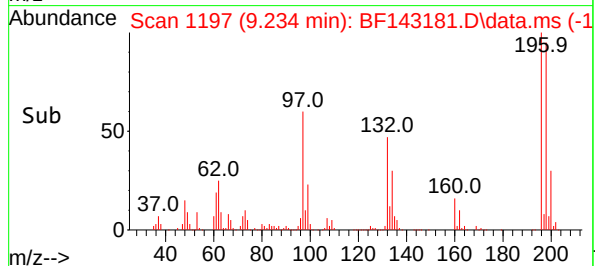
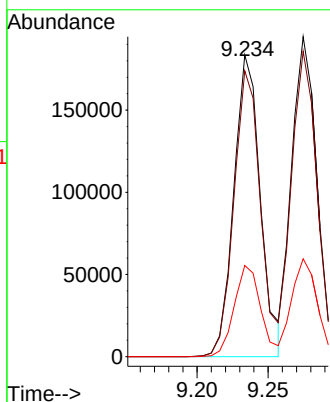
Tgt Ion:196 Resp: 238395
Ion Ratio Lower Upper
196 100
198 94.8 76.2 114.2
200 30.2 23.9 35.9

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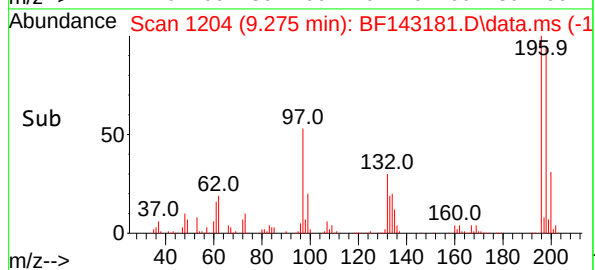
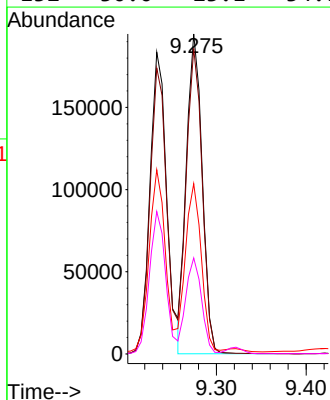
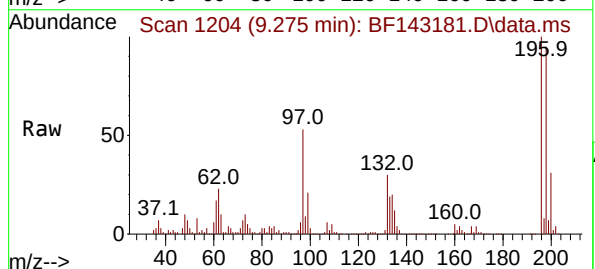
Supervised By :Jagrut
Upadhyay

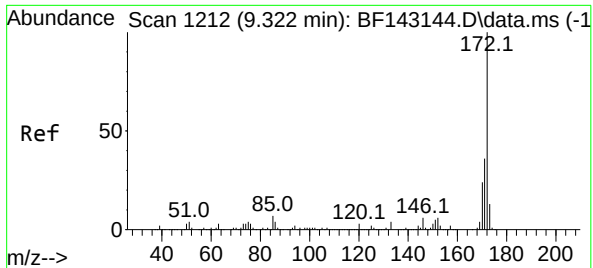
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#44
2,4,5-Trichlorophenol
Concen: 43.512 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

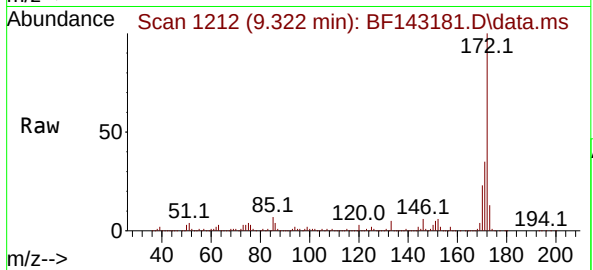
Tgt Ion:196 Resp: 238695
Ion Ratio Lower Upper
196 100
198 95.5 77.3 115.9
97 53.2 40.3 60.5
132 30.0 23.1 34.7





#45
2-Fluorobiphenyl
Concen: 52.801 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



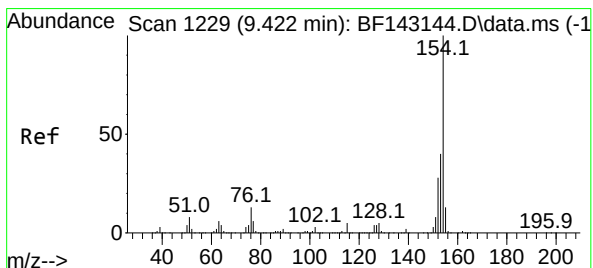
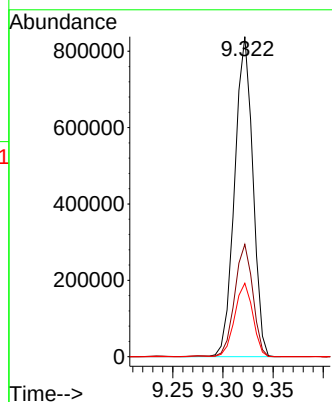
Tgt Ion:172 Resp: 105963
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.0 18.8 28.2

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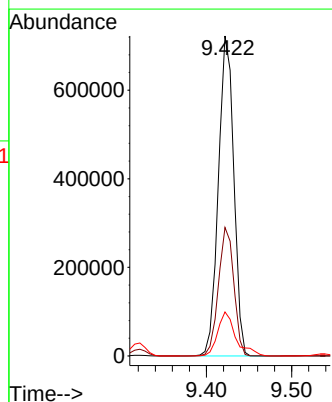
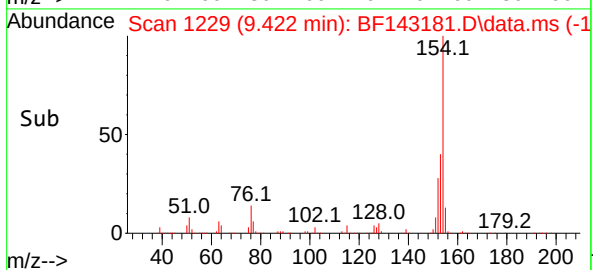
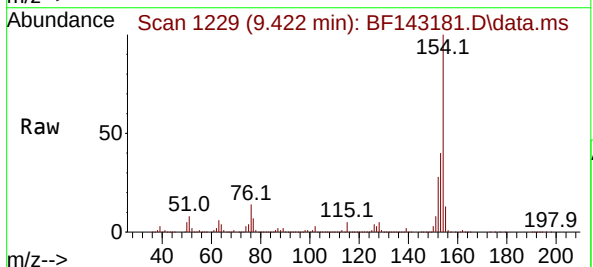
07/23/2025
Supervised By :Jagrut
Upadhyay

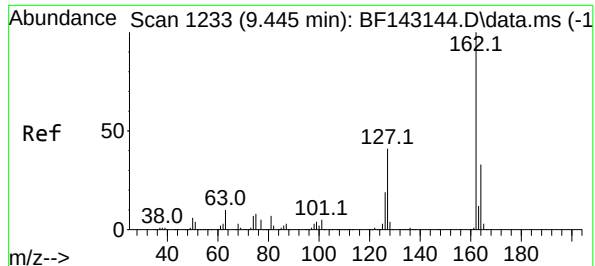
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#46
1,1'-Biphenyl
Concen: 42.350 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:154 Resp: 906851
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 13.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.755 ng

RT: 9.451 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:162 Resp: 66158

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.7 26.2 39.2

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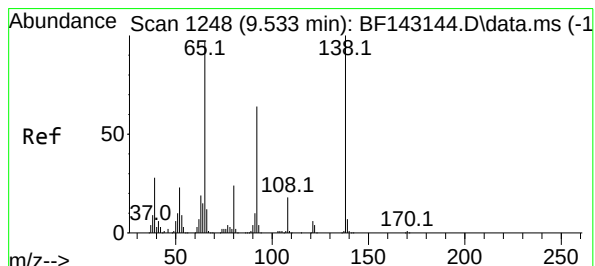
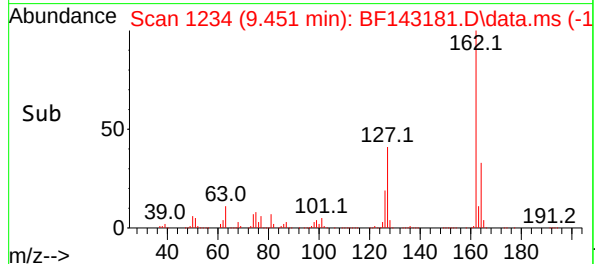
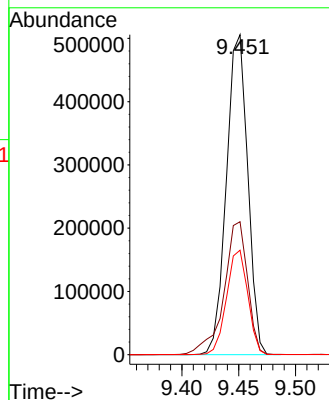
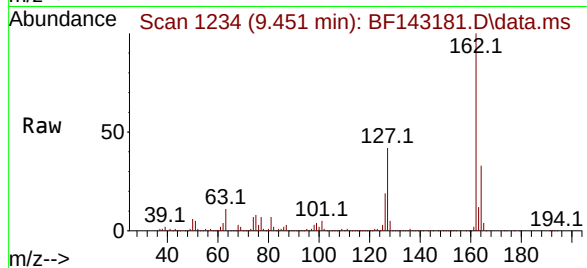
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Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#48

2-Nitroaniline

Concen: 48.368 ng

RT: 9.539 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

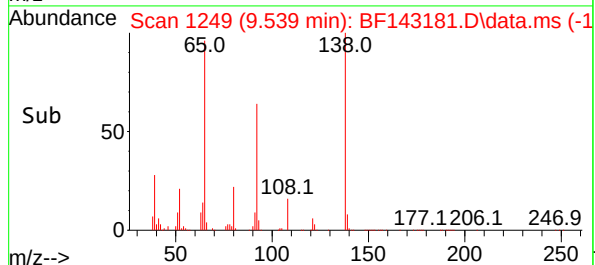
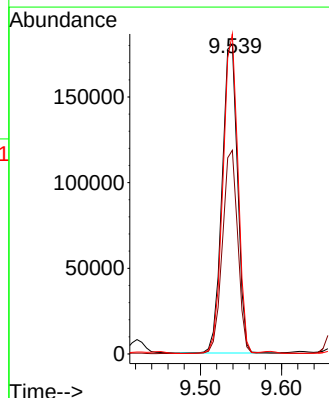
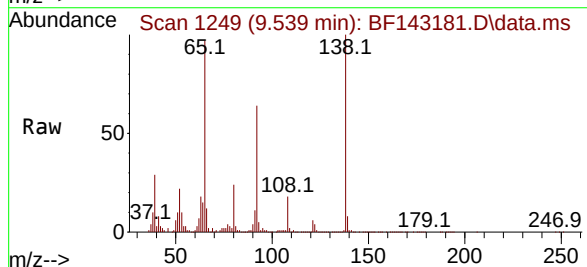
Tgt Ion: 65 Resp: 240330

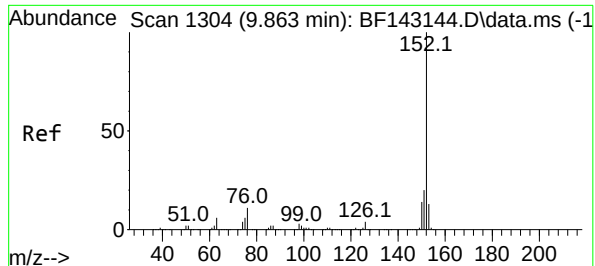
Ion Ratio Lower Upper

65 100

92 65.7 52.4 78.6

138 103.3 82.3 123.5





#49

Acenaphthylene

Concen: 42.250 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:152 Resp: 112186

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.2

153 13.1 10.6 16.0

Manual Integrations

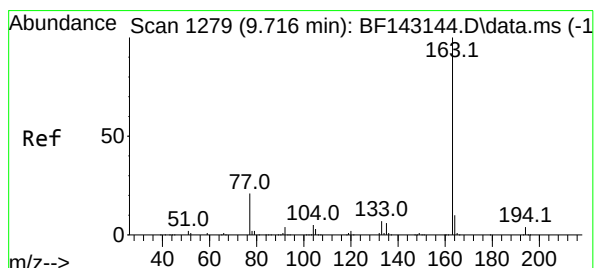
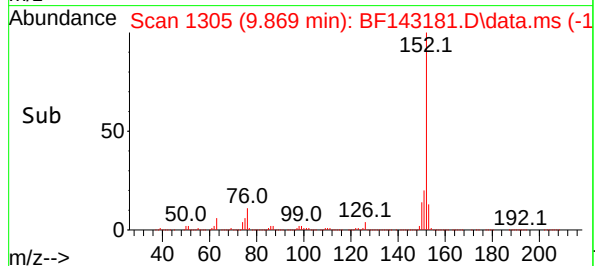
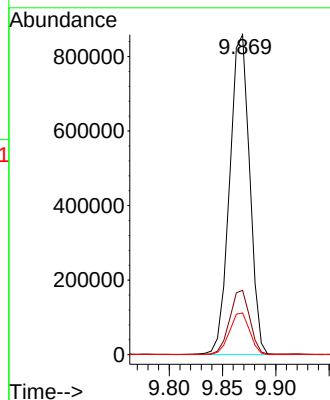
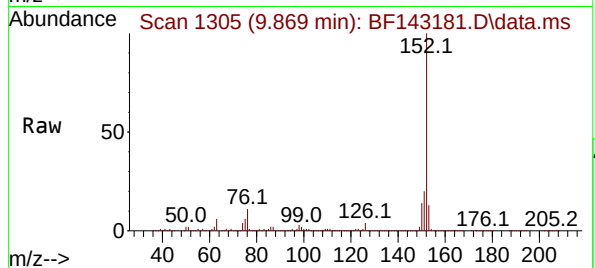
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Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

07/23/2025



#50

Dimethylphthalate

Concen: 43.933 ng

RT: 9.722 min Scan# 1280

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

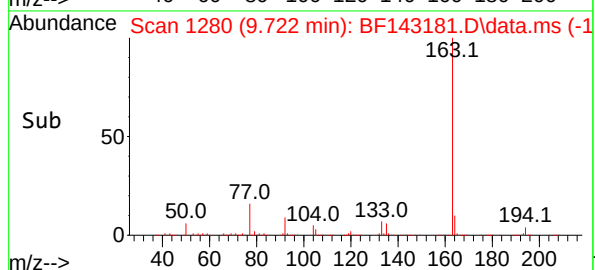
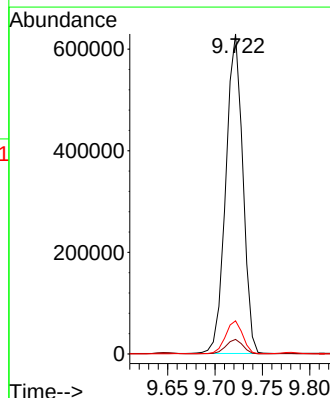
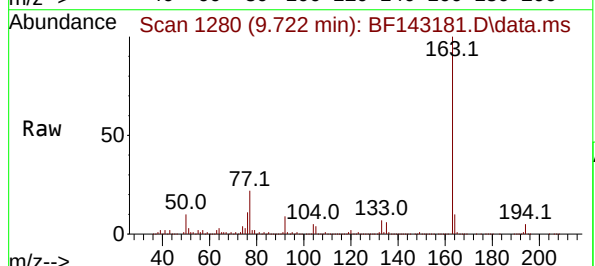
Tgt Ion:163 Resp: 785971

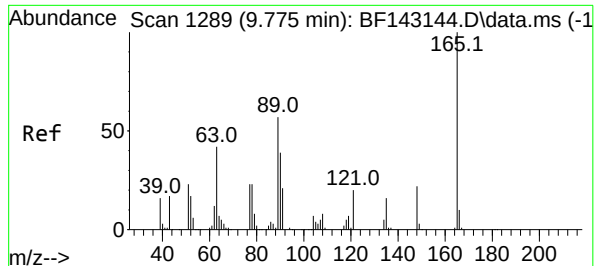
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 10.3 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 48.027 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD

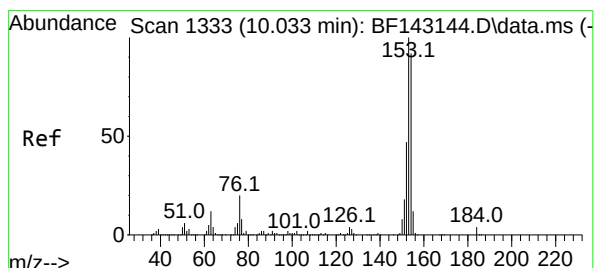
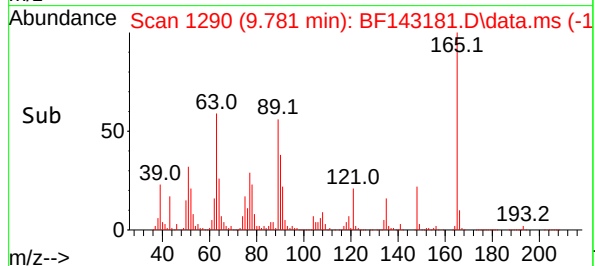
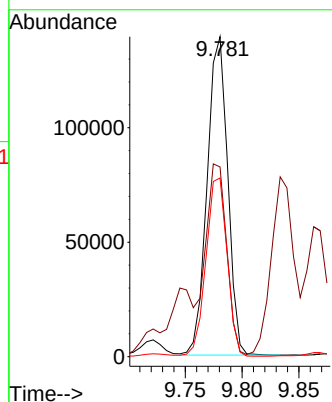
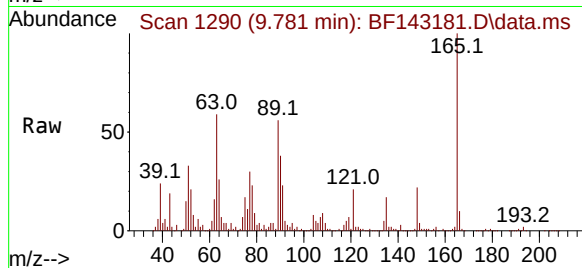
Tgt Ion:165 Resp: 174789
Ion Ratio Lower Upper
165 100
63 59.3 49.4 74.2
89 55.8 46.2 69.2

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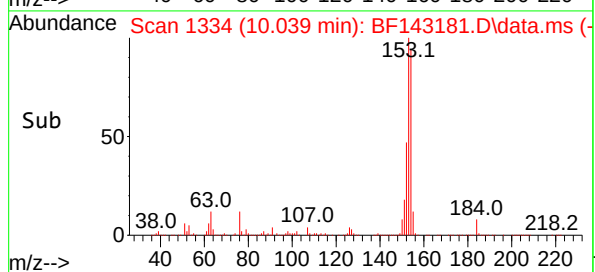
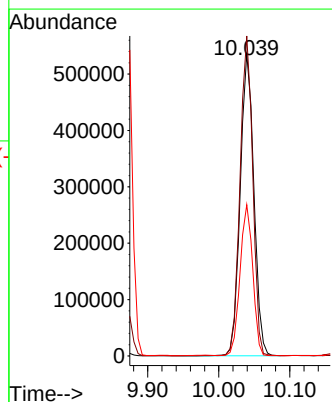
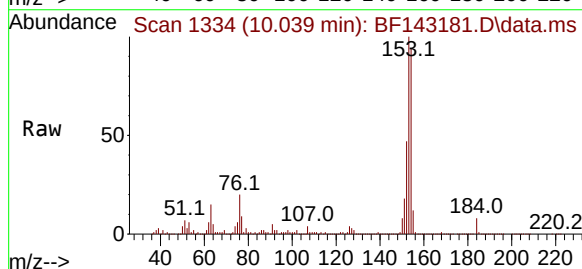
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Upadhyay

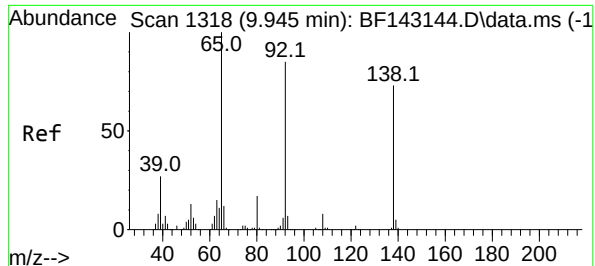
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#52
Acenaphthene
Concen: 45.702 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:154 Resp: 717249
Ion Ratio Lower Upper
154 100
153 105.9 86.6 129.8
152 50.0 40.4 60.6





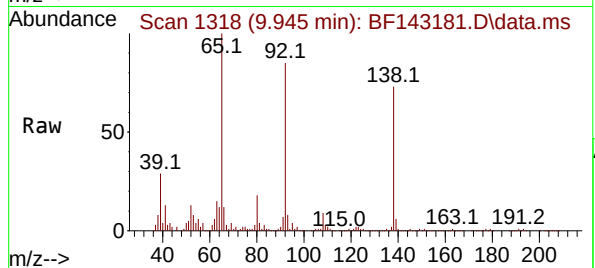
#53
3-Nitroaniline
Concen: 33.307 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



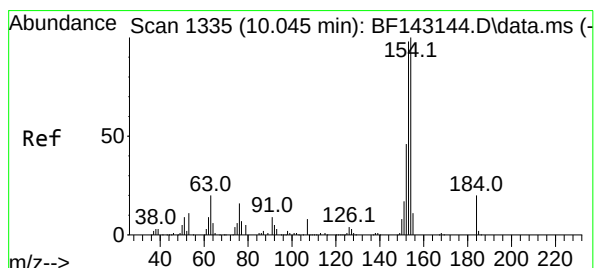
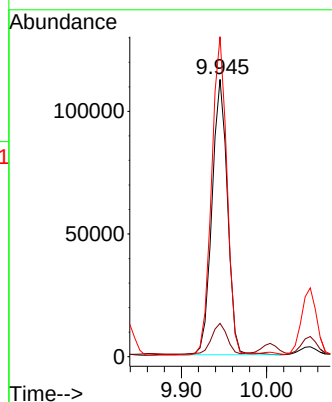
Tgt Ion:138 Resp: 141784
Ion Ratio Lower Upper
138 100
108 12.0 9.0 13.6
92 115.4 93.0 139.4

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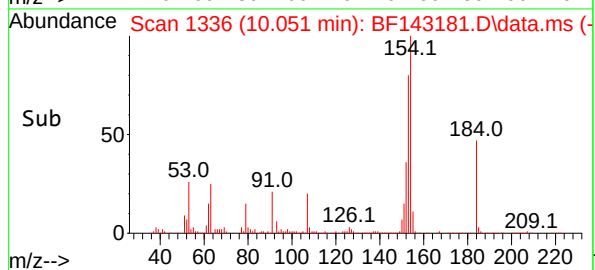
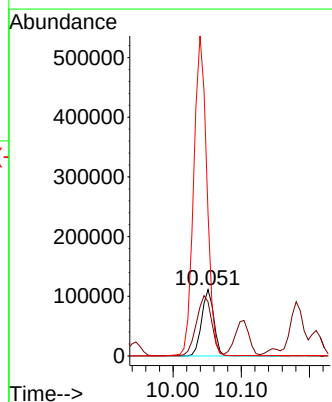
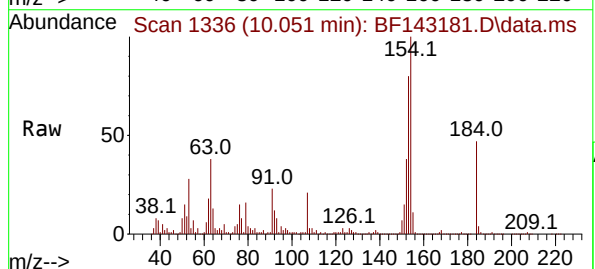
Supervised By :Jagrut
Upadhyay

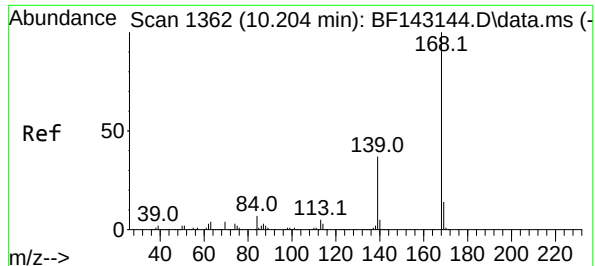
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#54
2,4-Dinitrophenol
Concen: 83.480 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

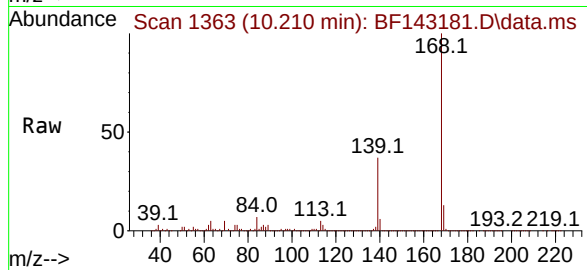
Tgt Ion:184 Resp: 138218
Ion Ratio Lower Upper
184 100
63 81.4 81.8 122.6#
154 214.4 412.2 618.4#





#55
Dibenzenofuran
Concen: 42.608 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



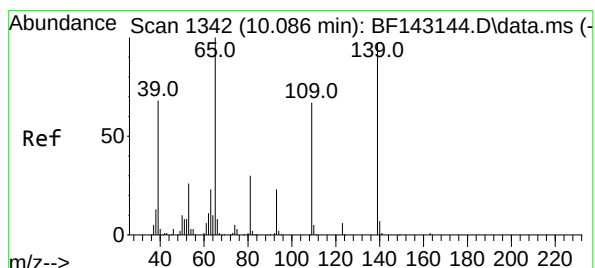
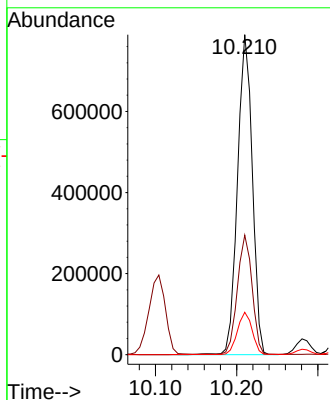
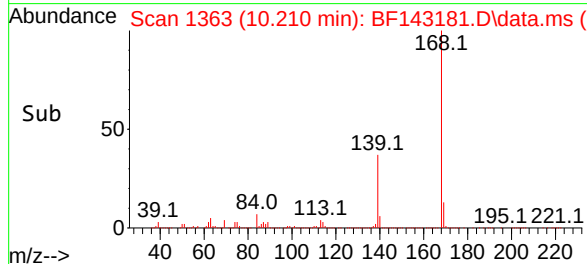
Tgt Ion:168 Resp: 992798
Ion Ratio Lower Upper
168 100
139 37.4 29.5 44.3
169 13.3 10.9 16.3

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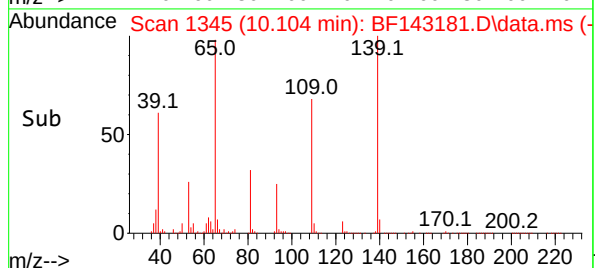
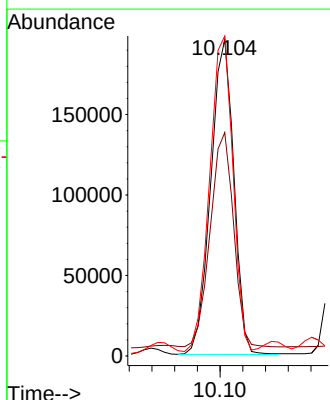
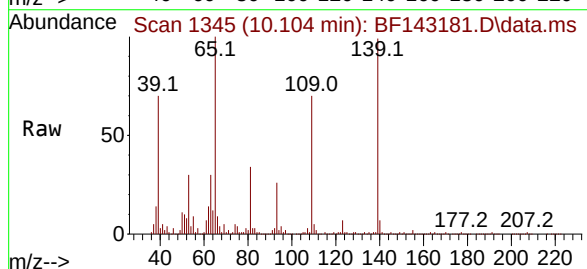
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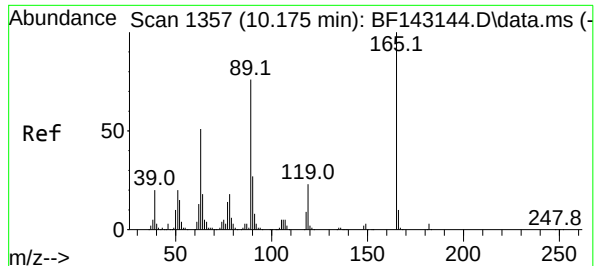
07/23/2025



#56
4-Nitrophenol
Concen: 87.047 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

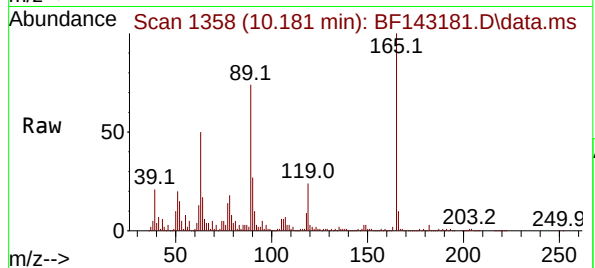
Tgt Ion:139 Resp: 276705
Ion Ratio Lower Upper
139 100
109 70.6 48.5 88.5
65 101.1 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 50.245 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



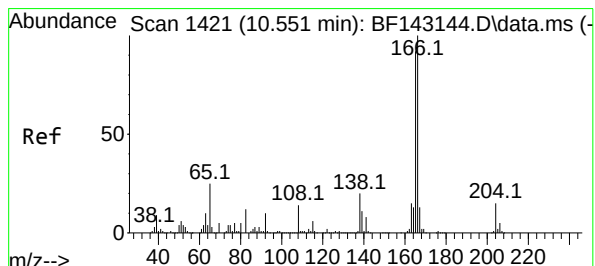
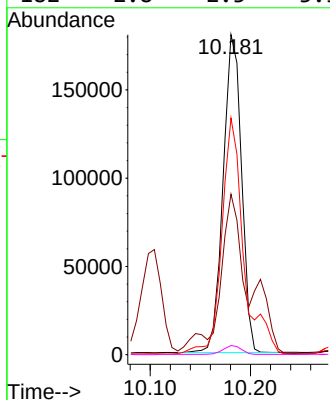
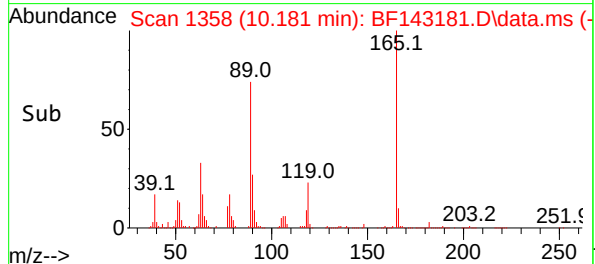
Tgt Ion:165 Resp: 229420
Ion Ratio Lower Upper
165 100
63 50.2 41.0 61.4
89 73.9 61.1 91.7
182 2.8 2.3 3.5

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Chavli

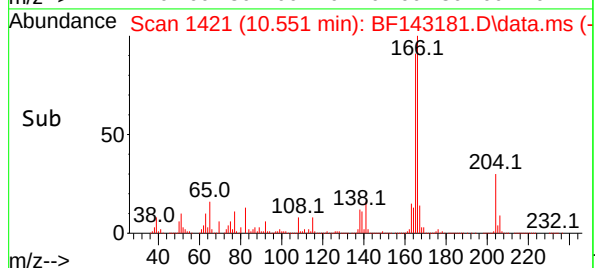
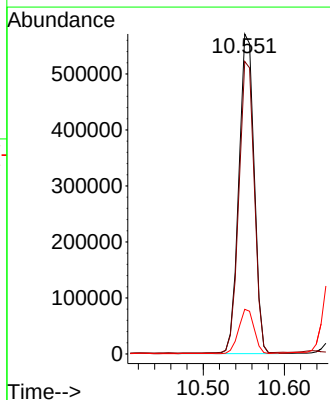
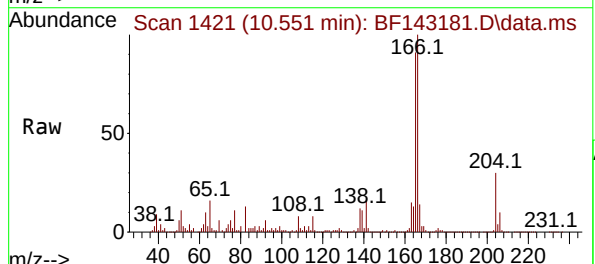
07/23/2025
Supervised By :Jagrut
Upadhyay

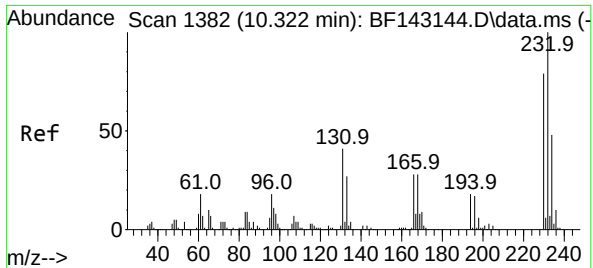
07/23/2025



#58
Fluorene
Concen: 42.649 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

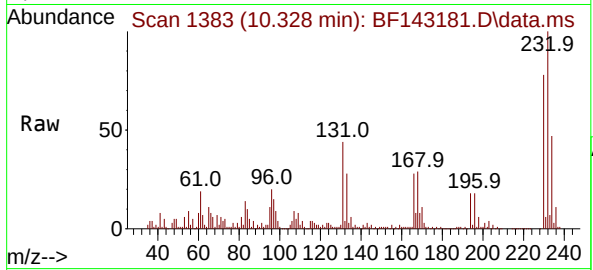
Tgt Ion:166 Resp: 745825
Ion Ratio Lower Upper
166 100
165 91.4 73.7 110.5
167 14.0 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.788 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



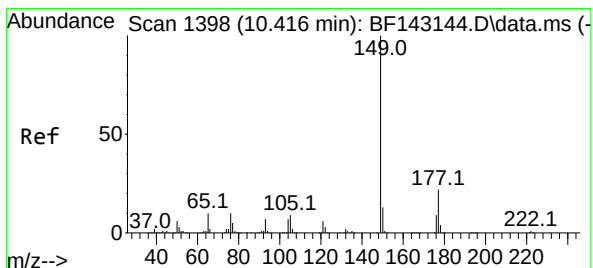
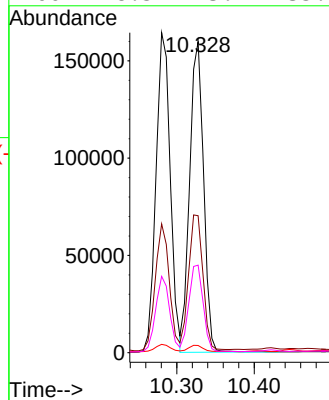
Tgt Ion:232 Resp: 198979
Ion Ratio Lower Upper
232 100
131 44.4 35.3 52.9
130 2.2 1.7 2.5
166 28.5 23.4 35.2

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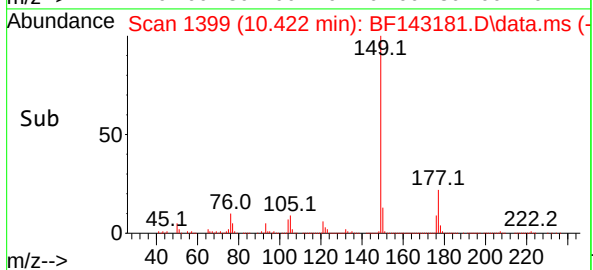
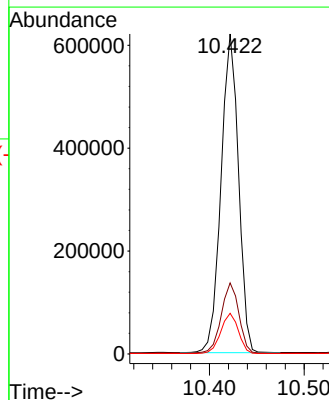
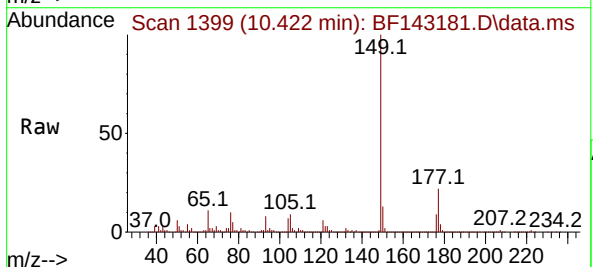
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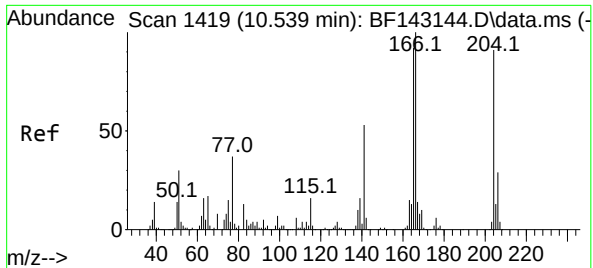
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#60
Diethylphthalate
Concen: 44.896 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

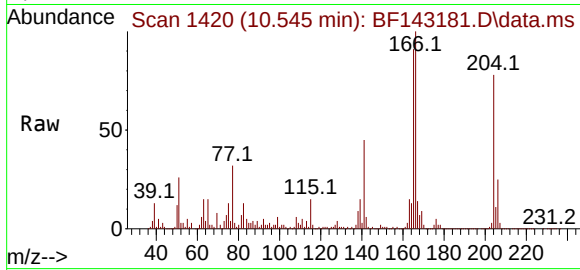
Tgt Ion:149 Resp: 793884
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 41.919 ng
RT: 10.545 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



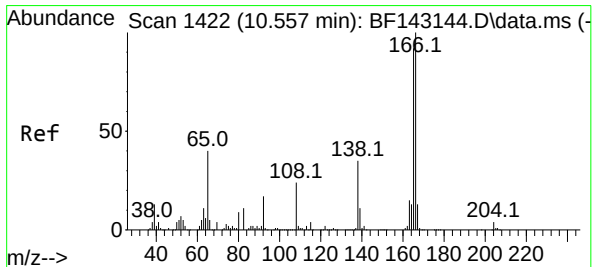
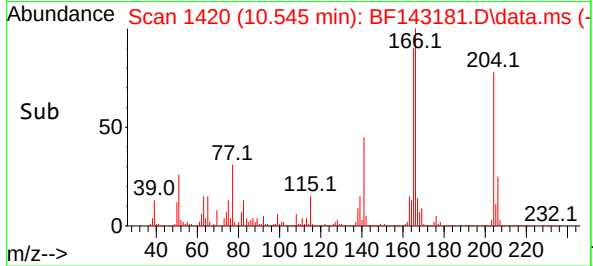
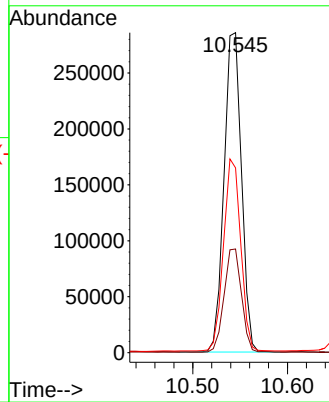
Tgt Ion:204 Resp: 365015
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 57.7 47.0 70.4

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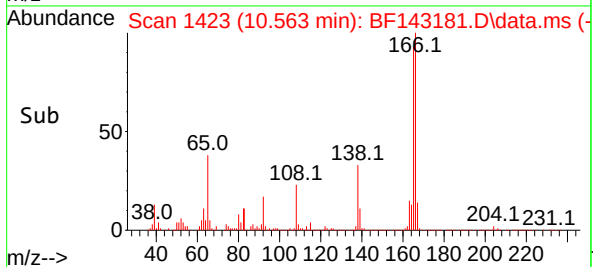
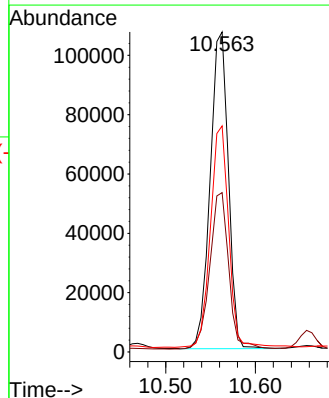
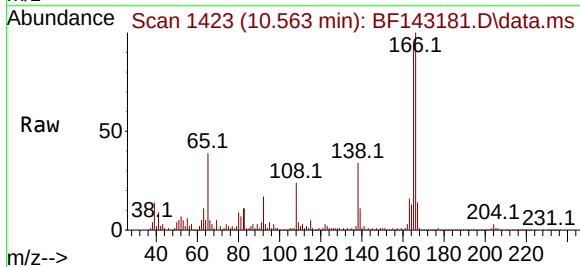
07/23/2025
Supervised By :Jagrut
Upadhyay

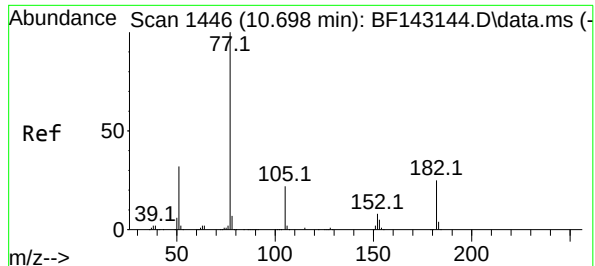
07/23/2025



#62
4-Nitroaniline
Concen: 41.149 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

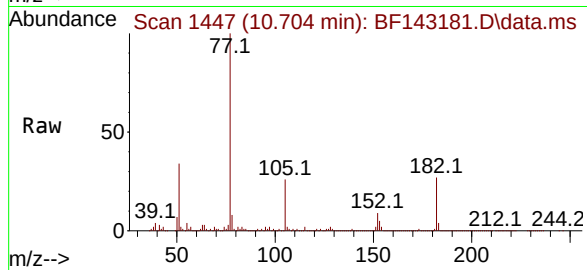
Tgt Ion:138 Resp: 150125
Ion Ratio Lower Upper
138 100
92 49.8 29.3 69.3
108 70.6 48.3 88.3





#63
Azobenzene
Concen: 45.166 ng
RT: 10.704 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



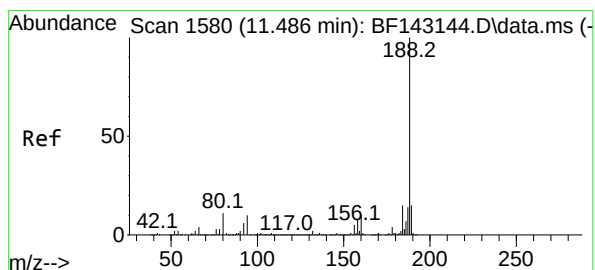
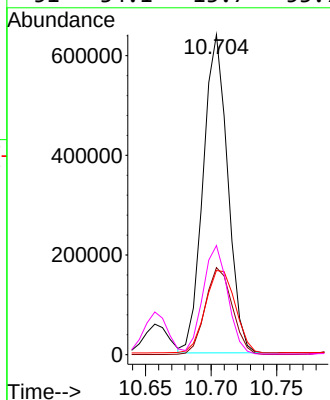
Tgt Ion: 77 Resp: 832370
Ion Ratio Lower Upper
77 100
182 27.2 4.6 44.6
105 26.3 1.4 41.4
51 34.1 13.7 53.7

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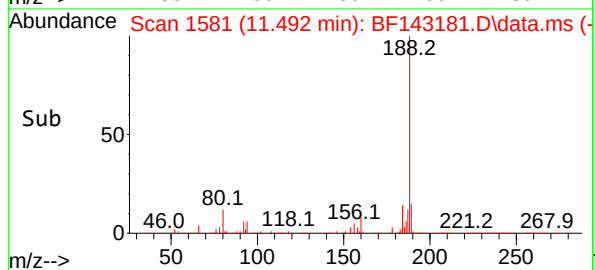
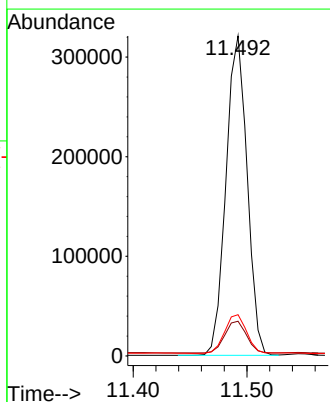
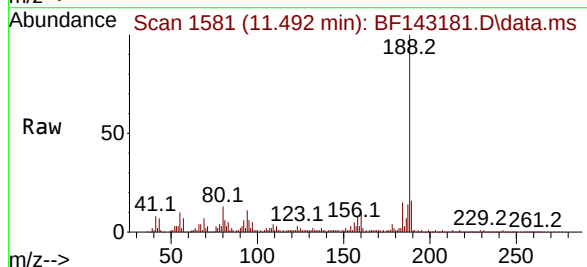
07/23/2025
Supervised By :Jagrut
Upadhyay

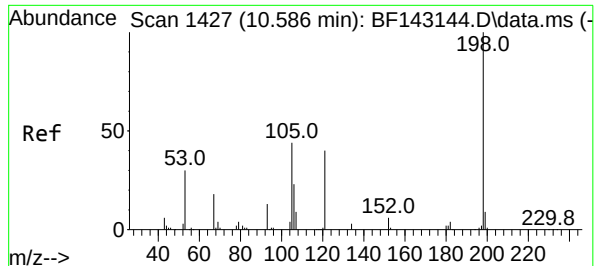
07/23/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:188 Resp: 414650
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 12.9 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 43.445 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD

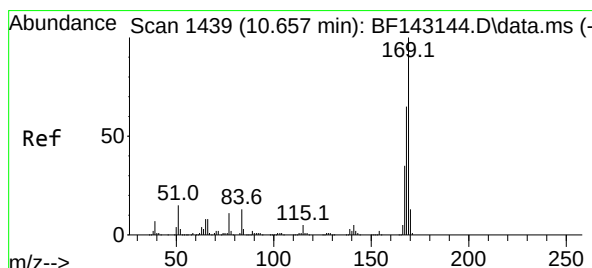
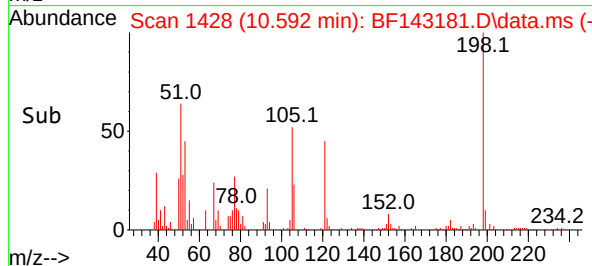
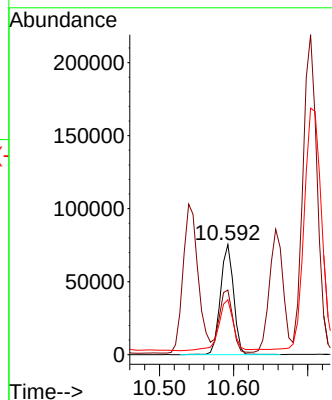
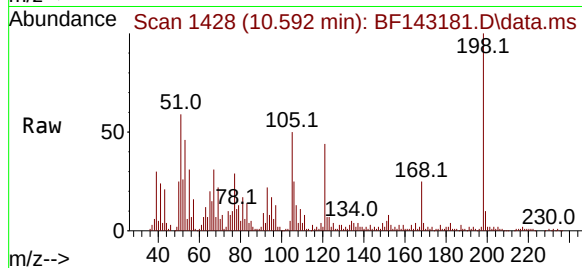
Tgt Ion:198 Resp: 93180
Ion Ratio Lower Upper
198 100
51 58.7 37.2 77.2
105 49.8 24.8 64.8

Manual Integrations
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Reviewed By :Rahul
Chavli

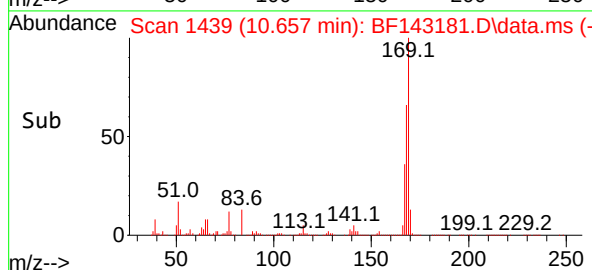
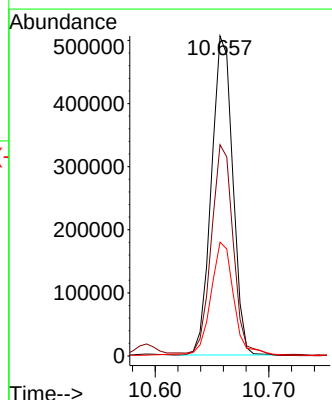
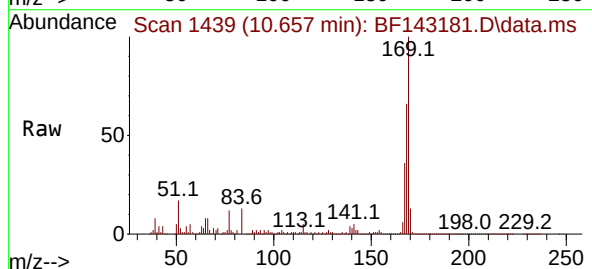
07/23/2025
Supervised By :Jagrut
Upadhyay

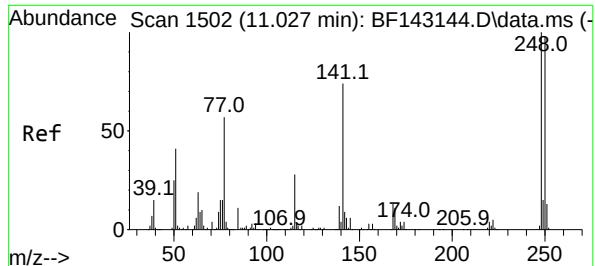
07/23/2025



#66
n-Nitrosodiphenylamine
Concen: 45.125 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:169 Resp: 658874
Ion Ratio Lower Upper
169 100
168 66.0 52.1 78.1
167 35.6 28.2 42.2





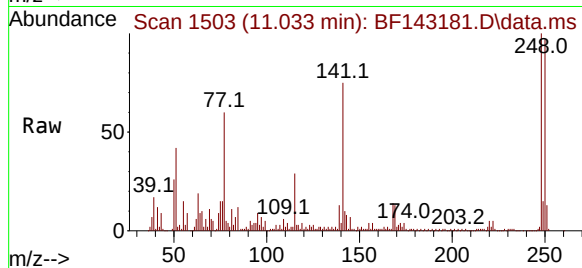
#67
4-Bromophenyl-phenylether
Concen: 44.351 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



Tgt Ion:248 Resp: 21916
Ion Ratio Lower Upper
248 100
250 97.4 78.3 117.5
141 74.7 59.2 88.8

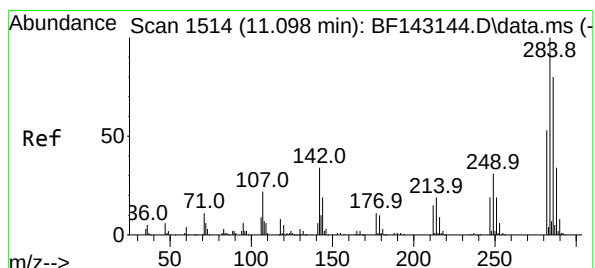
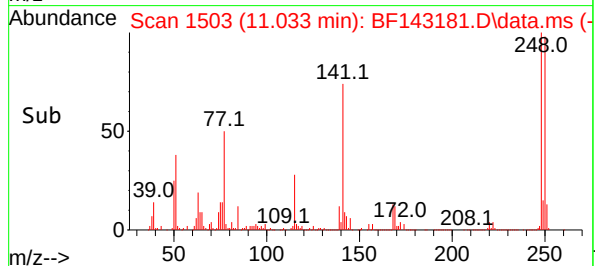
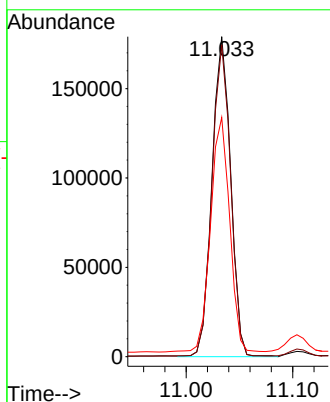
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

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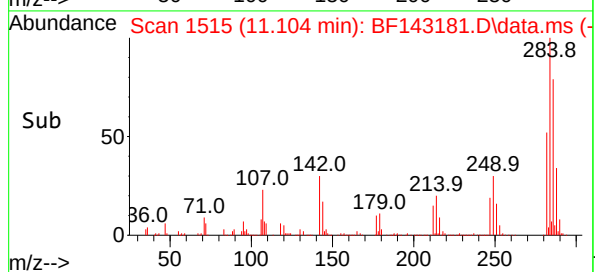
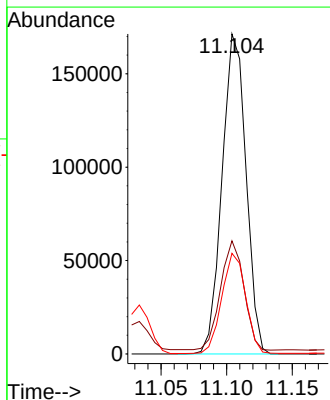
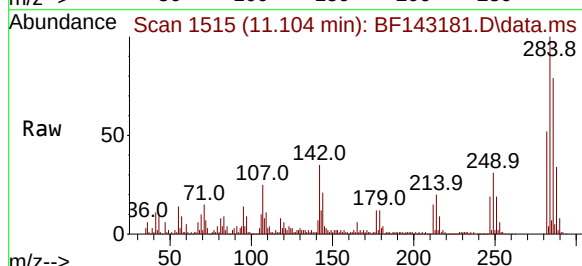
Supervised By :Jagrut
Upadhyay

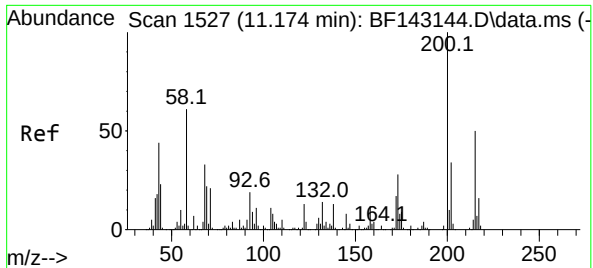
07/23/2025



#68
Hexachlorobenzene
Concen: 42.143 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:284 Resp: 217668
Ion Ratio Lower Upper
284 100
142 35.4 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 48.470 ng

RT: 11.186 min Scan# 1529

Delta R.T. 0.012 min

Lab File: BF143181.D

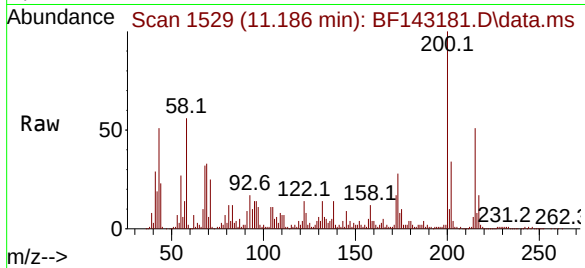
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD



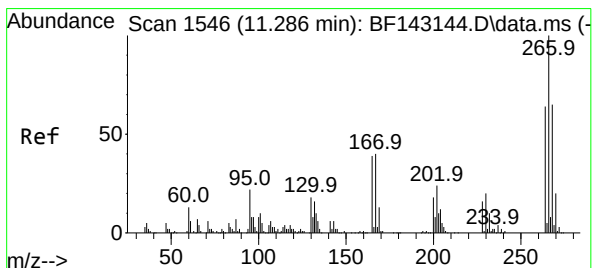
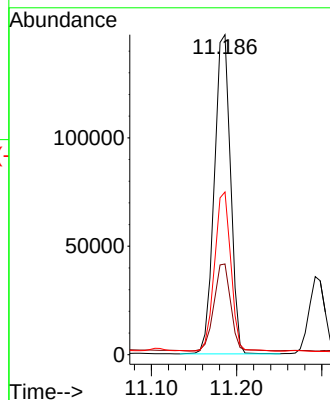
Tgt Ion:	200	Resp:	195110
Ion Ratio	Lower	Upper	
200	100		
173	28.3	7.9	47.9
215	50.8	30.1	70.1

Manual Integrations
APPROVEDReviewed By :Rahul
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Upadhyay

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#70

Pentachlorophenol

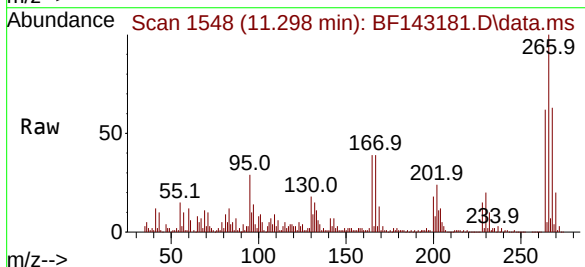
Concen: 86.042 ng

RT: 11.298 min Scan# 1548

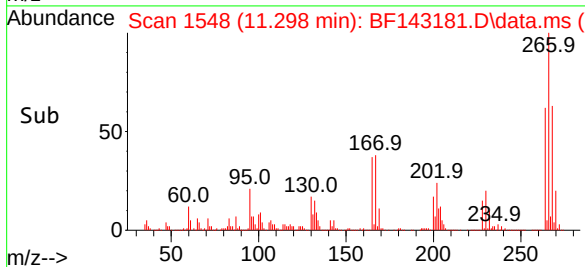
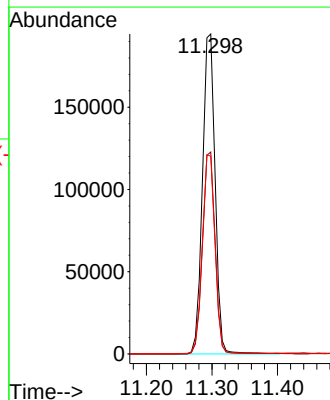
Delta R.T. 0.012 min

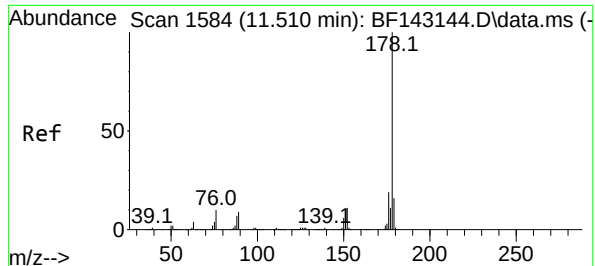
Lab File: BF143181.D

Acq: 22 Jul 2025 10:55



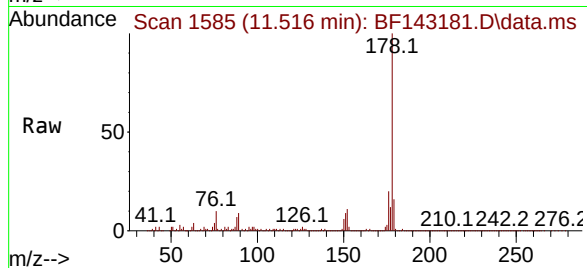
Tgt Ion:	266	Resp:	261343
Ion Ratio	Lower	Upper	
266	100		
268	63.1	51.9	77.9
264	61.8	51.0	76.6





#71
Phenanthrene
Concen: 55.224 ng
RT: 11.516 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



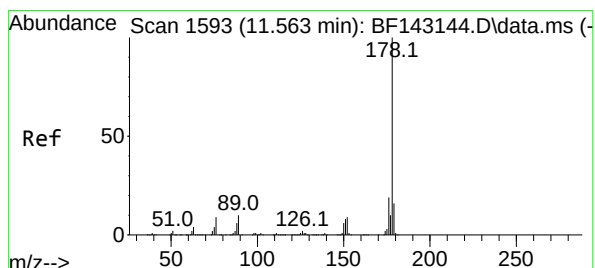
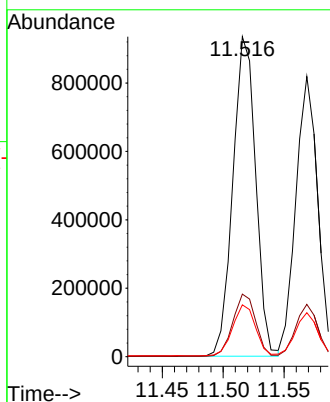
Tgt Ion:178 Resp: 121584
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.2 12.5 18.7

Manual Integrations
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Reviewed By :Rahul
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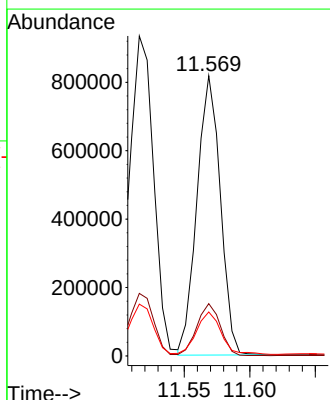
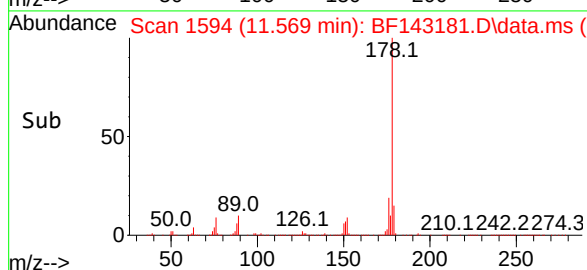
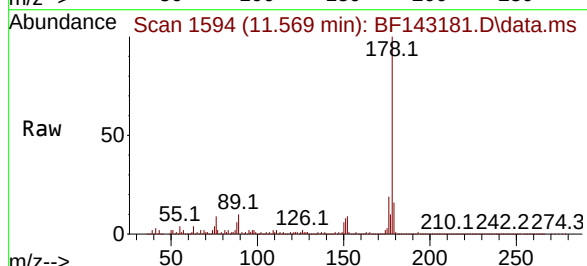
07/23/2025
Supervised By :Jagrut
Upadhyay

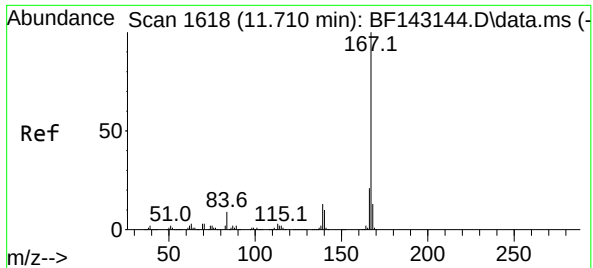
07/23/2025



#72
Anthracene
Concen: 45.259 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

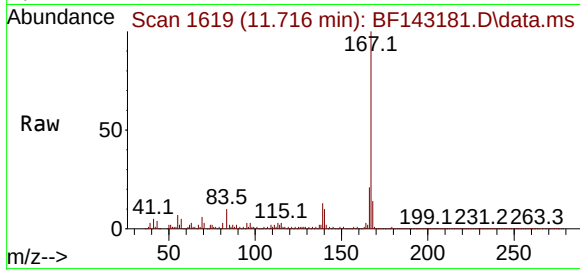
Tgt Ion:178 Resp: 1016264
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 42.692 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55

Instrument :
 BNA_F
 ClientSampleId :
 RT2286MSD



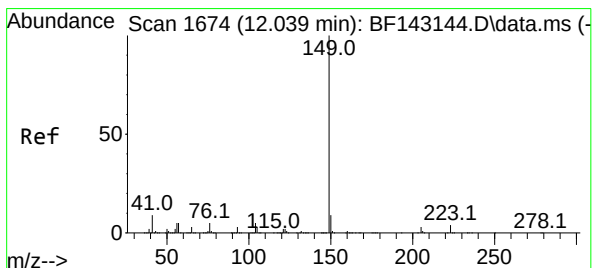
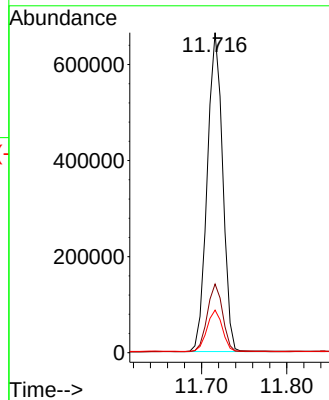
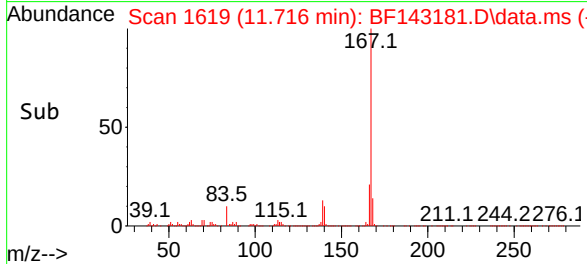
Tgt Ion:167 Resp: 837062
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.3 10.0 15.0

Manual Integrations
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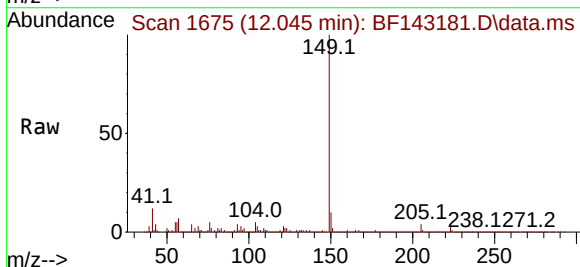
Reviewed By :Rahul
 Chavli

07/23/2025
 Supervised By :Jagrut
 Upadhyay

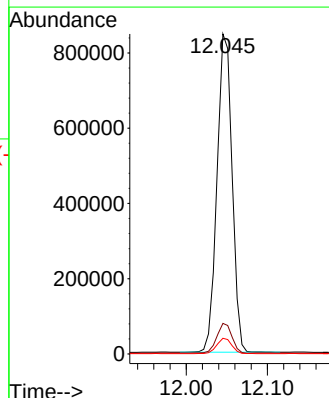
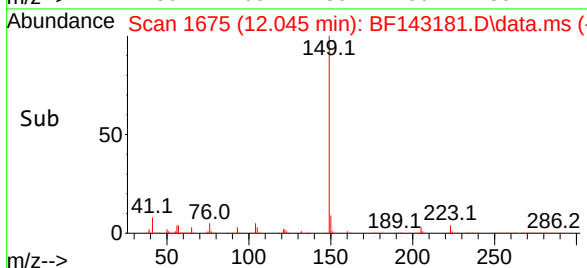
07/23/2025

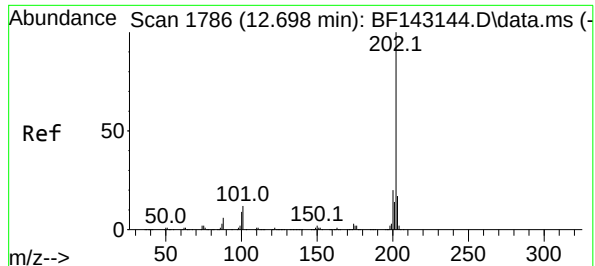


#74
 Di-n-butylphthalate
 Concen: 49.237 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143181.D
 Acq: 22 Jul 2025 10:55



Tgt Ion:149 Resp: 1092339
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.4 11.2
 104 4.9 3.8 5.8





#75

Fluoranthene

Concen: 66.679 ng

RT: 12.710 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:202 Resp: 1347470

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.7

203 17.7 0.0 37.4

Manual Integrations

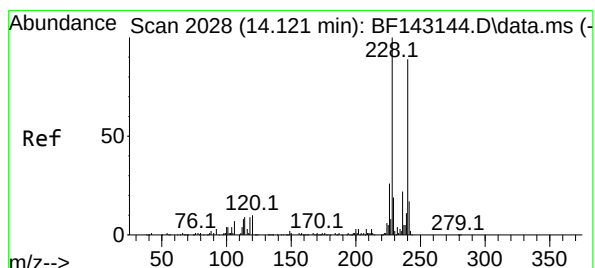
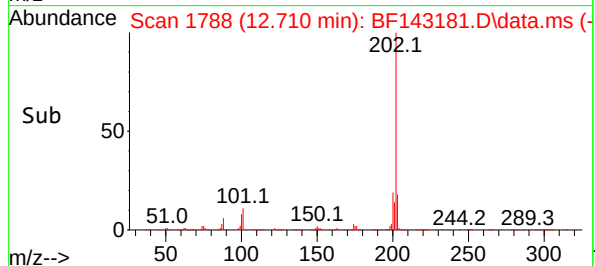
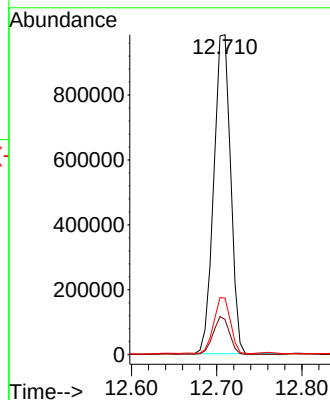
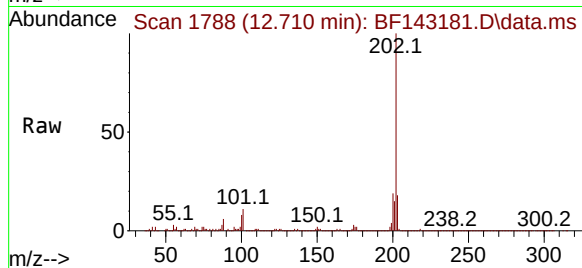
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Chavli

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

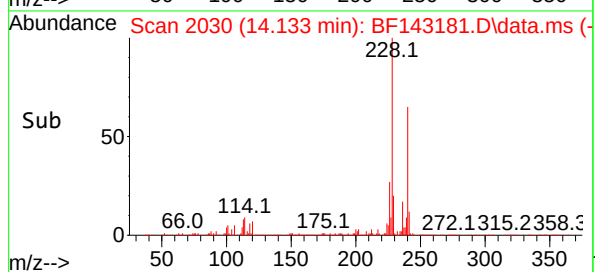
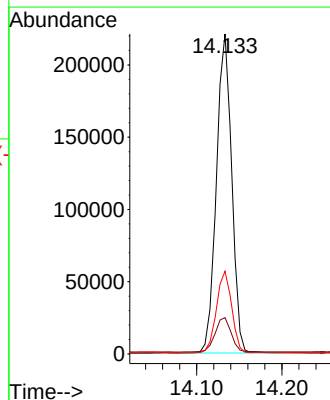
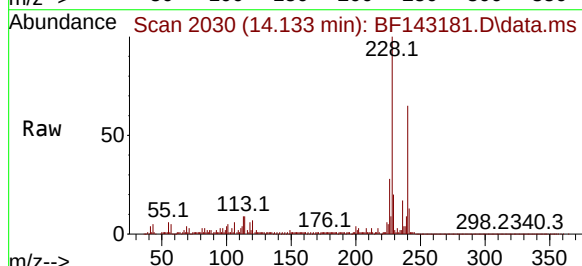
Tgt Ion:240 Resp: 276295

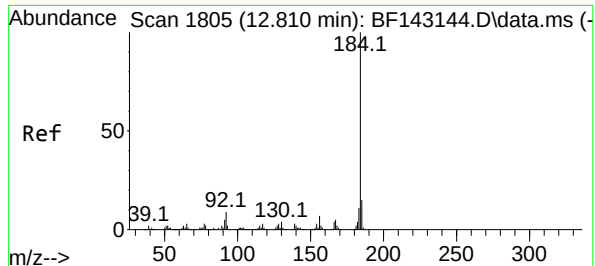
Ion Ratio Lower Upper

240 100

120 11.4 9.4 14.2

236 25.9 20.2 30.4





#77

Benzidine

Concen: 27.933 ng

RT: 12.816 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:184 Resp: 297349

Ion Ratio Lower Upper

184 100

185 14.7 12.2 18.4

183 11.6 9.0 13.4

Manual Integrations

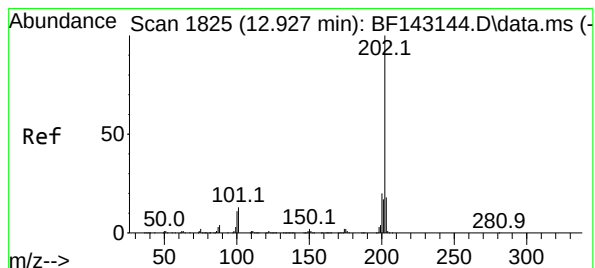
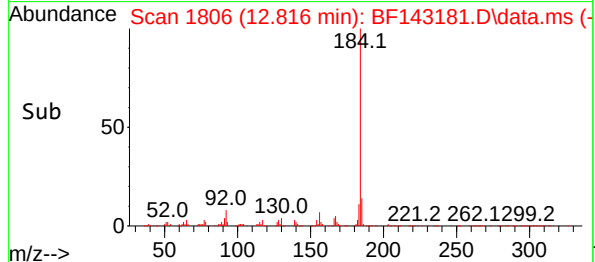
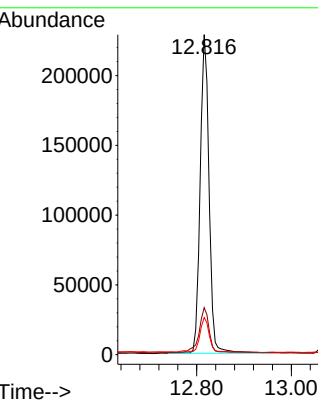
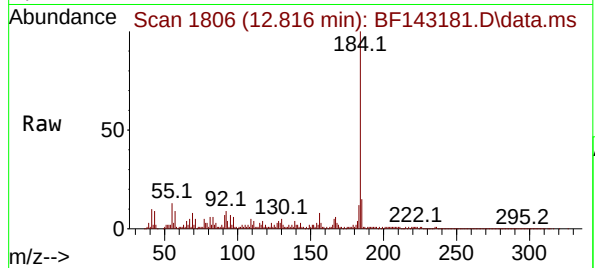
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

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#78

Pyrene

Concen: 57.059 ng

RT: 12.939 min Scan# 1827

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

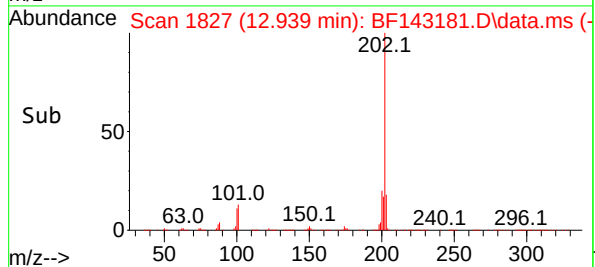
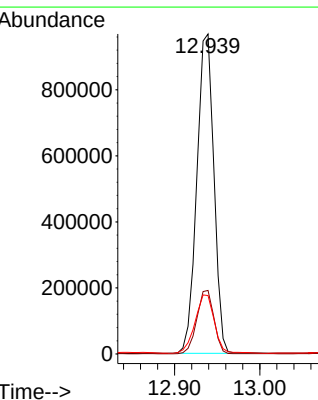
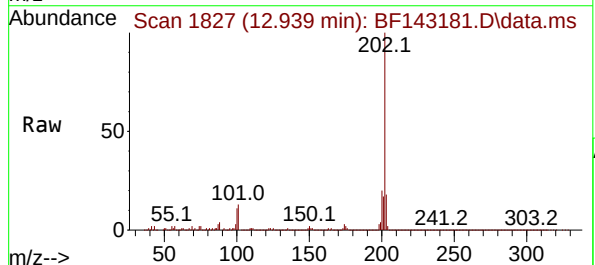
Tgt Ion:202 Resp: 1345473

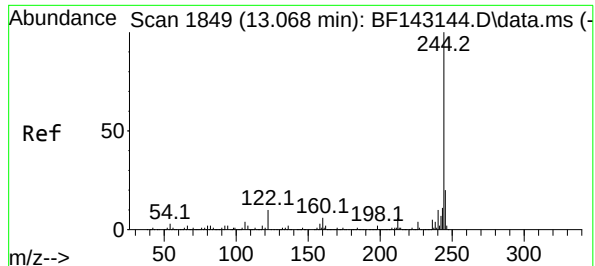
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 43.099 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:244 Resp: 800209

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.8 8.2 12.2

Manual Integrations

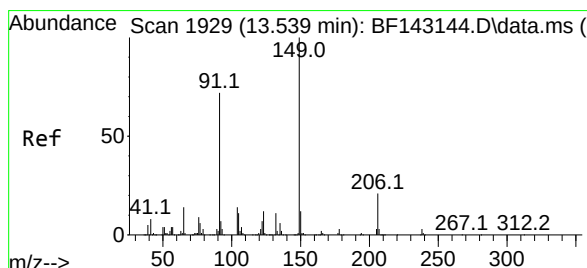
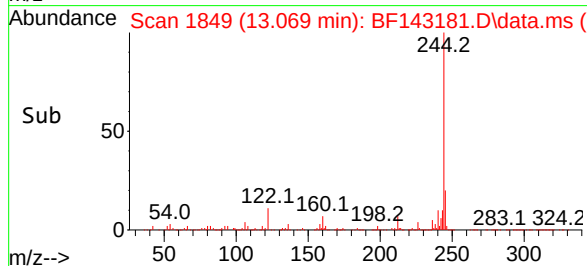
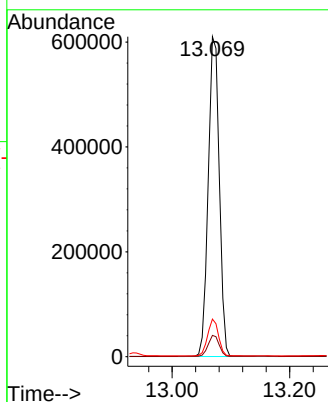
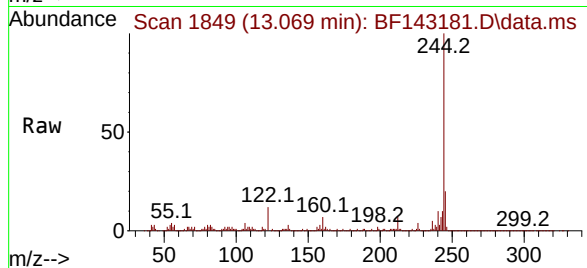
APPROVED

Reviewed By :Rahul
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07/23/2025

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Upadhyay

07/23/2025



#80

Butylbenzylphthalate

Concen: 50.883 ng

RT: 13.545 min Scan# 1930

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

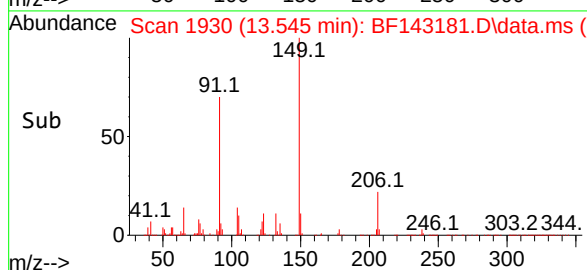
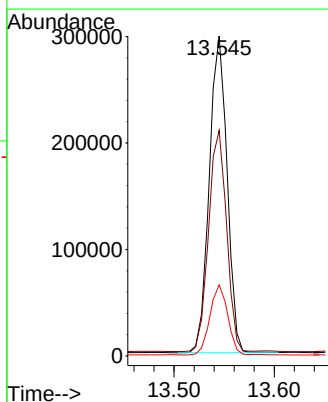
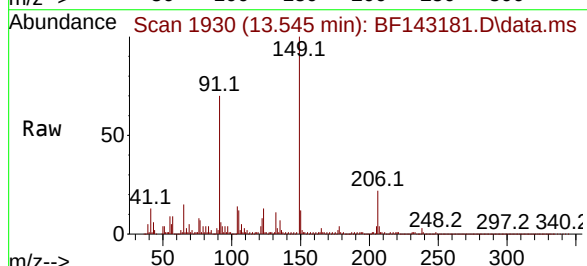
Tgt Ion:149 Resp: 367405

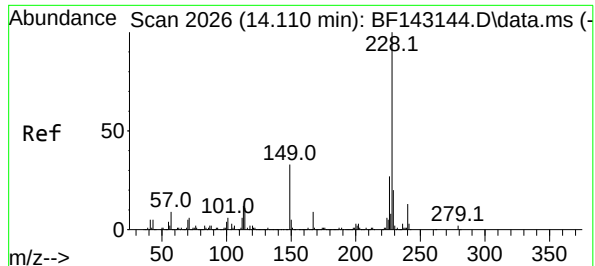
Ion Ratio Lower Upper

149 100

91 70.5 57.9 86.9

206 22.2 17.0 25.4





#81

Benzo(a)anthracene

Concen: 55.890 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:228 Resp: 103385

Ion Ratio Lower Upper

228 100

226 27.1 21.7 32.5

229 20.3 15.8 23.6

Manual Integrations

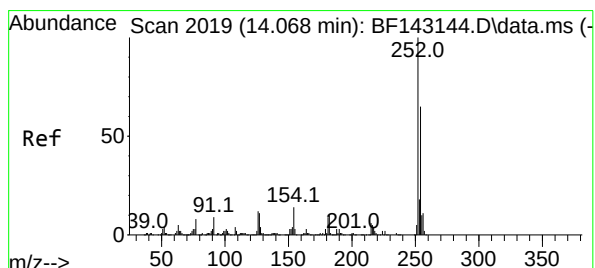
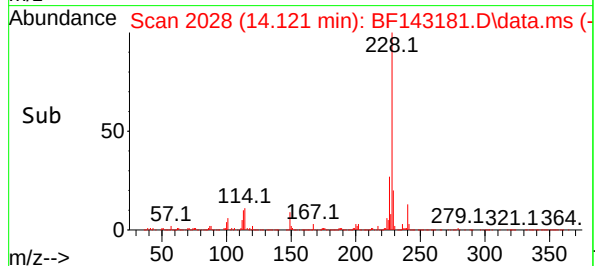
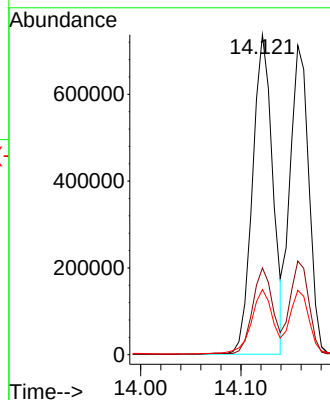
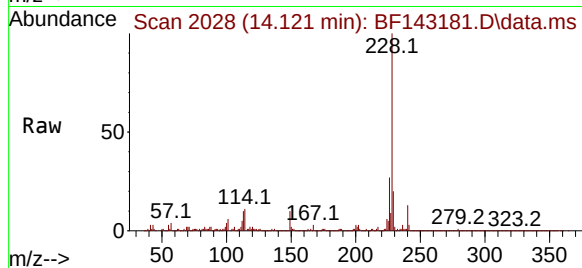
APPROVED

Reviewed By :Rahul
Chavli

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Upadhyay

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#82

3,3'-Dichlorobenzidine

Concen: 22.415 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

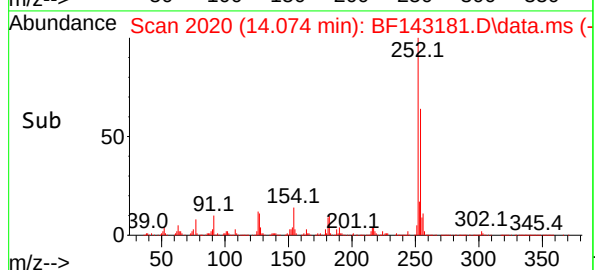
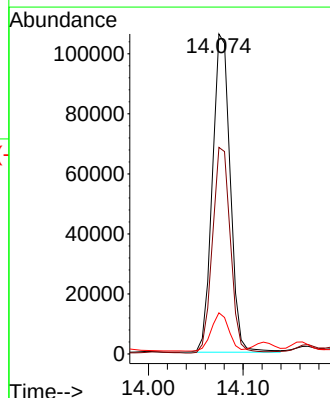
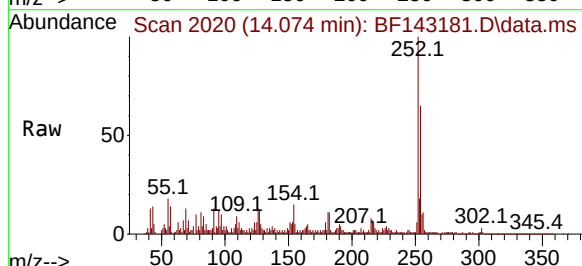
Tgt Ion:252 Resp: 138194

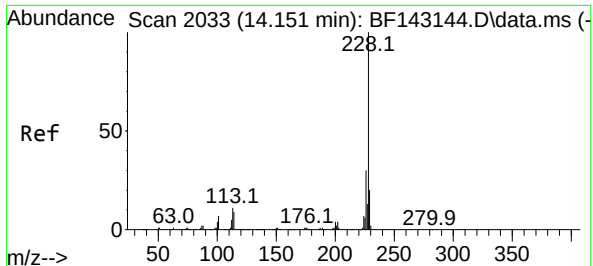
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 12.9 9.4 14.0





#83
Chrysene
Concen: 55.532 ng
RT: 14.157 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	20.8	15.6	23.4

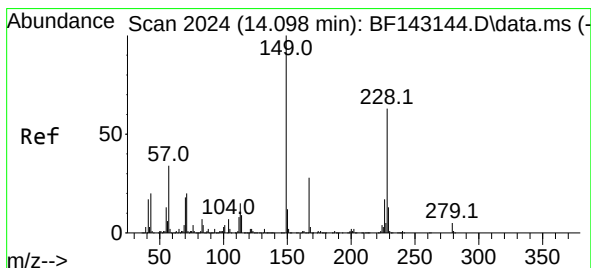
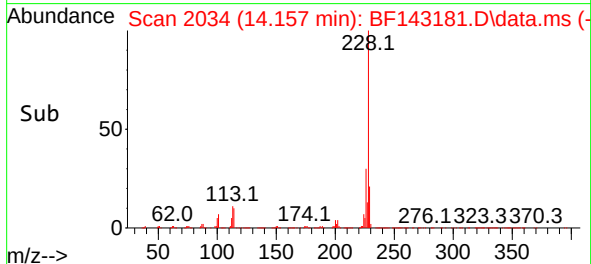
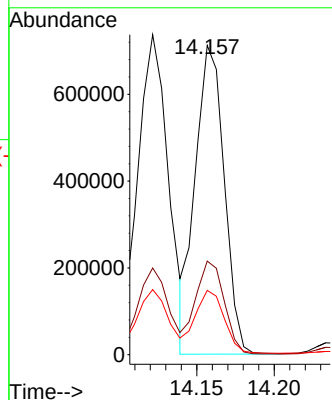
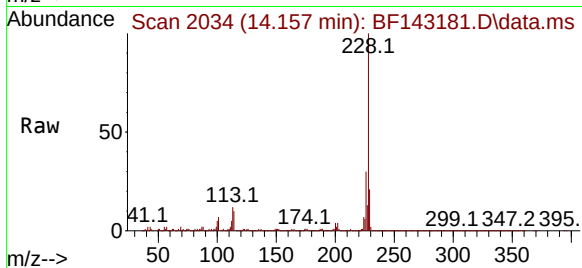
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

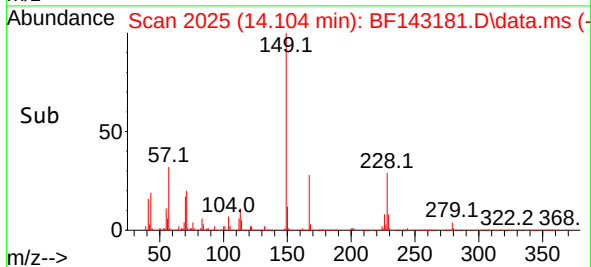
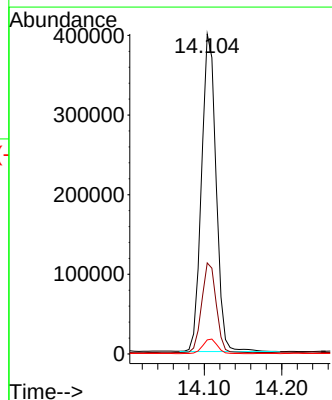
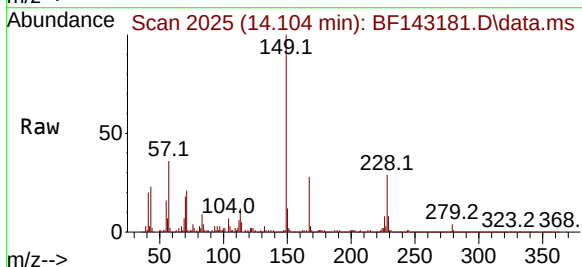
Supervised By :Jagrut
Upadhyay

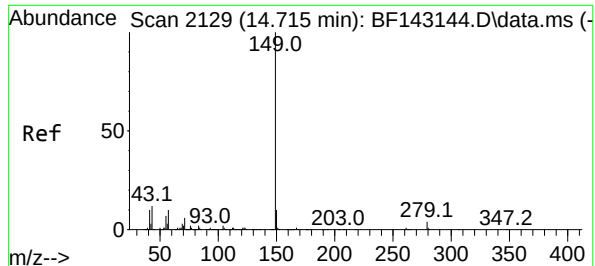
07/23/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.538 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.3	33.5
279	4.4	3.6	5.4





#85

Di-n-octyl phthalate

Concen: 48.608 ng m

RT: 14.721 min Scan# 2129

Delta R.T. 0.006 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:149 Resp: 96295

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.1 9.7 14.5

Manual Integrations

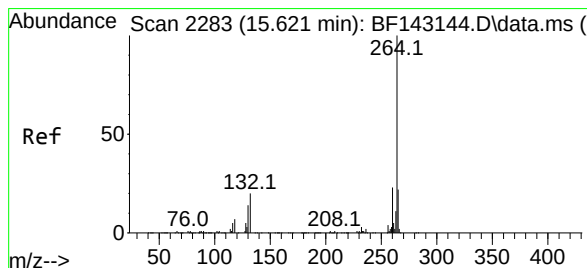
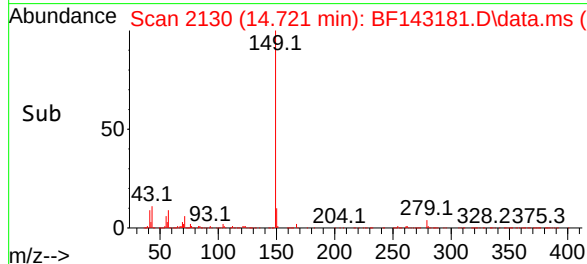
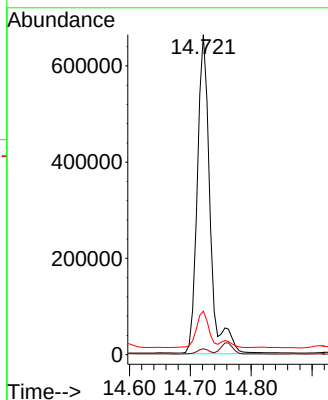
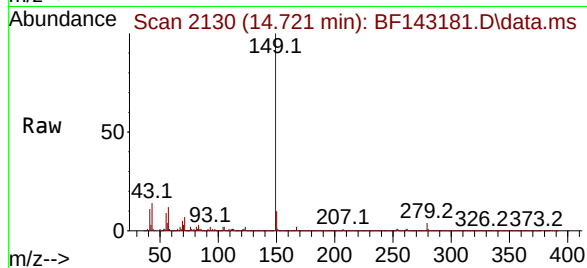
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

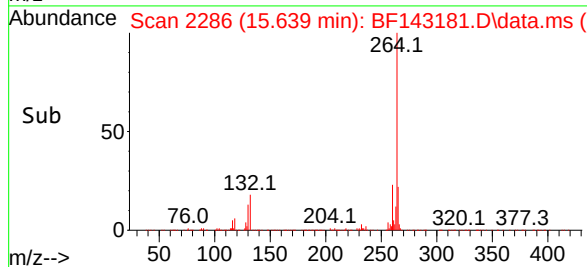
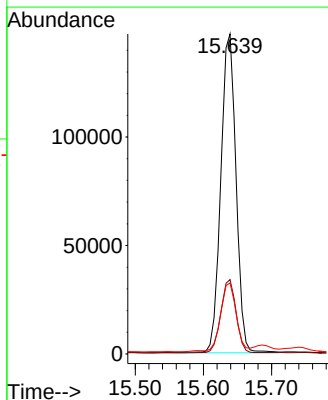
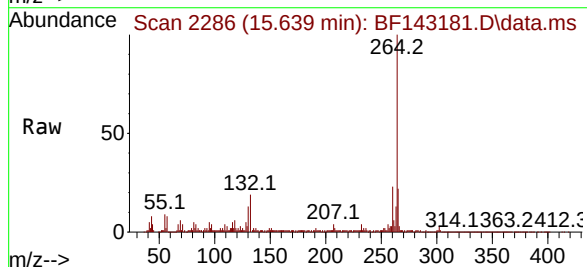
Tgt Ion:264 Resp: 228694

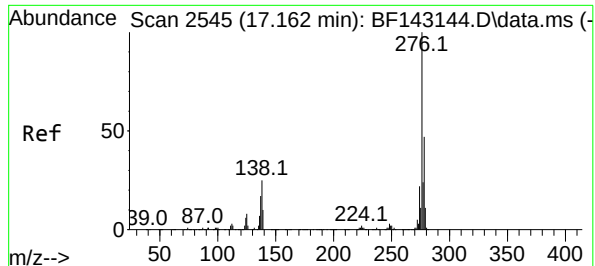
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.423 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:276 Resp: 555100

Ion Ratio Lower Upper

276 100

138 26.2 21.8 32.6

277 25.1 20.0 30.0

Manual Integrations

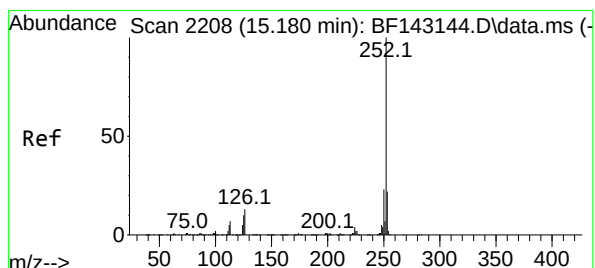
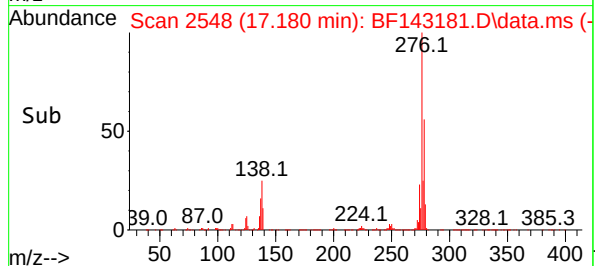
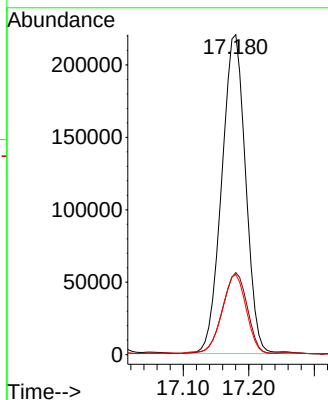
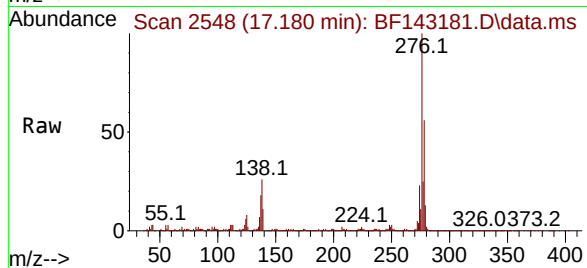
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#88

Benzo(b)fluoranthene

Concen: 66.280 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

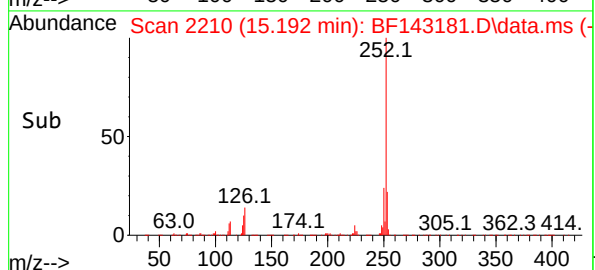
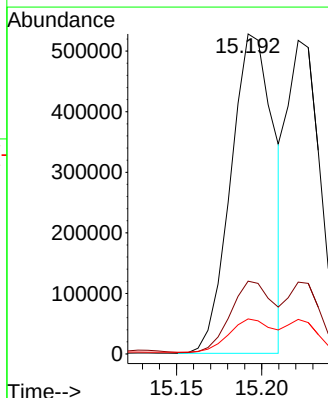
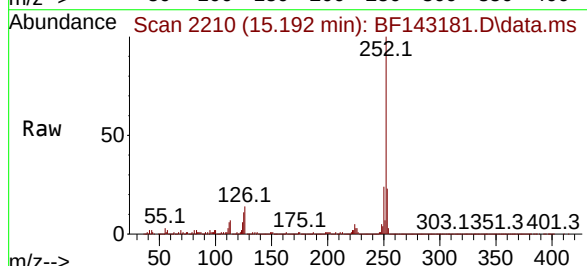
Tgt Ion:252 Resp: 926002

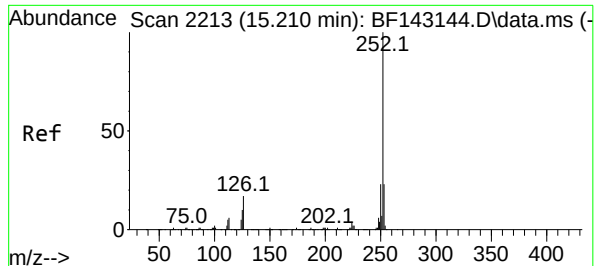
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 55.257 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

RT2286MSD

Tgt Ion:252 Resp: 68889

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 11.0 8.1 12.1

Manual Integrations

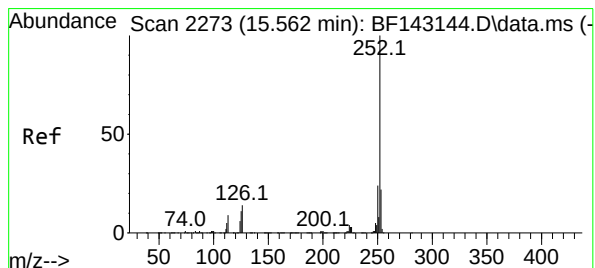
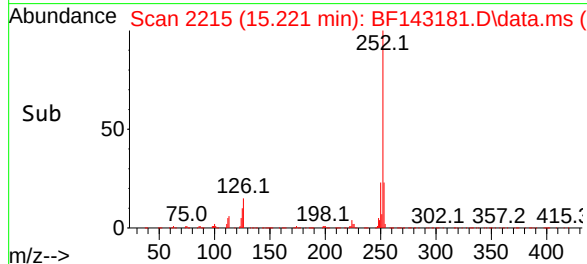
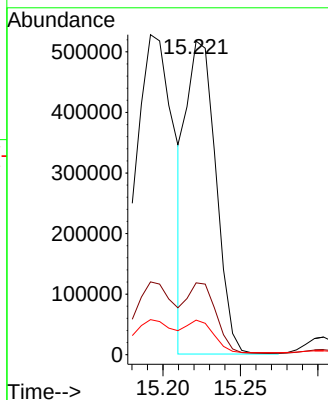
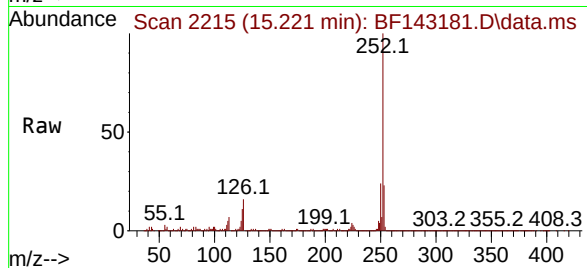
APPROVED

Reviewed By :Rahul
Chavli

07/23/2025

Supervised By :Jagrut
Upadhyay

07/23/2025



#90

Benzo(a)pyrene

Concen: 57.025 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143181.D

Acq: 22 Jul 2025 10:55

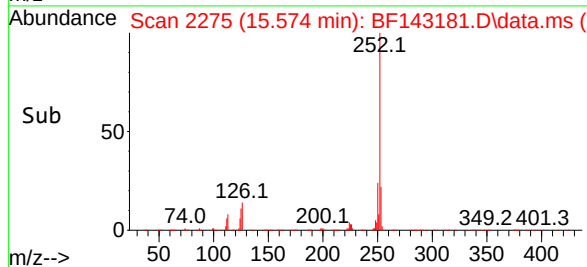
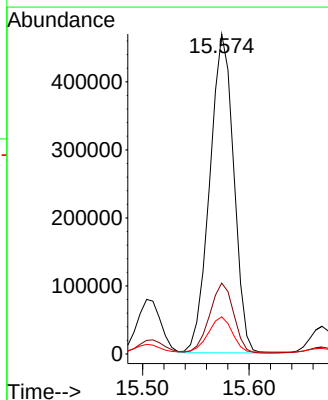
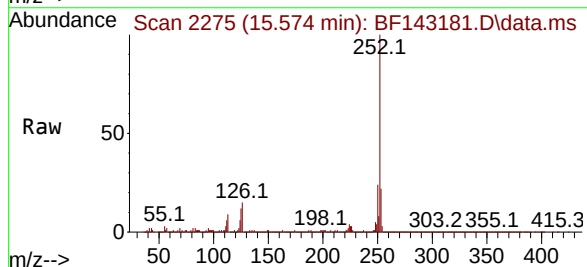
Tgt Ion:252 Resp: 734037

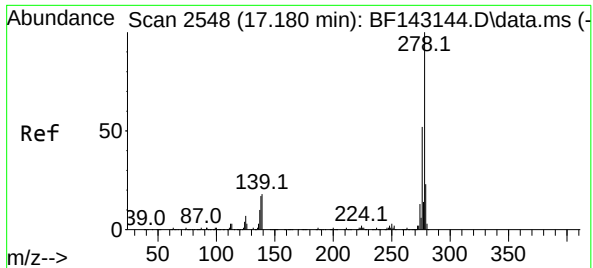
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

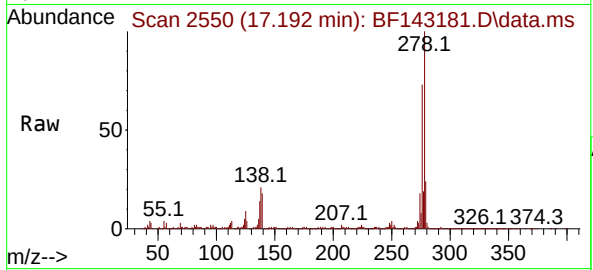
125 11.6 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 30.296 ng
RT: 17.192 min Scan# 2548
Delta R.T. 0.012 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
RT2286MSD



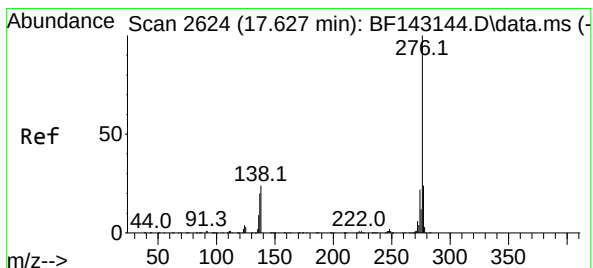
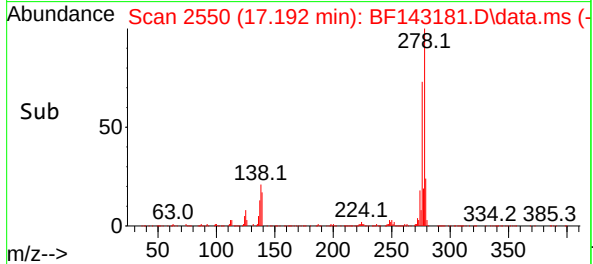
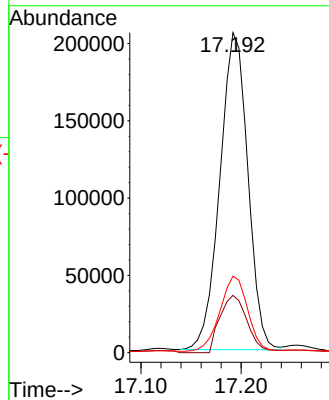
Tgt Ion:278 Resp: 397652
Ion Ratio Lower Upper
278 100
139 17.9 14.1 21.1
279 23.9 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

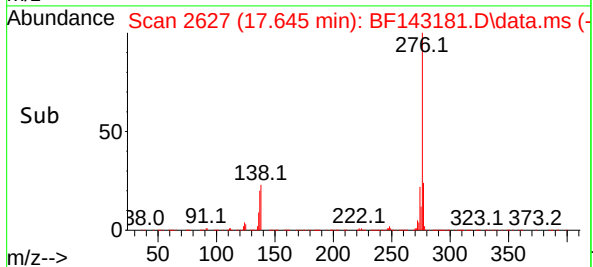
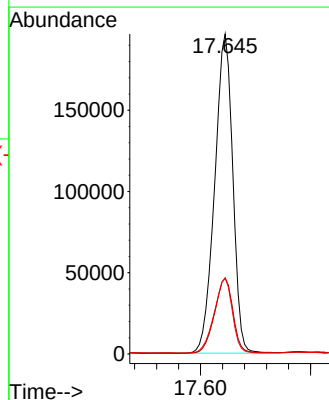
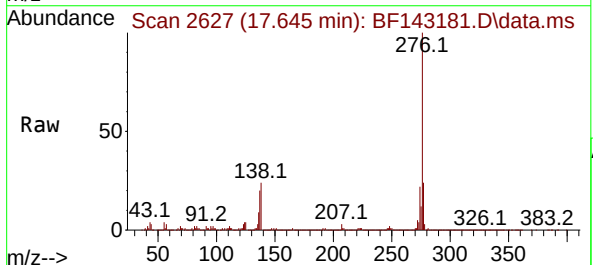
07/23/2025
Supervised By :Jagrut
Upadhyay

07/23/2025



#92
Benzo(g,h,i)perylene
Concen: 35.394 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143181.D
Acq: 22 Jul 2025 10:55

Tgt Ion:276 Resp: 449394
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 23.8 18.9 28.3



Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF071725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

bf072125

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

bf072225

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2635-01MS	BF143180.D	Di-n-octyl phthalate	Rahul	7/23/2025 8:21:52 AM	Jagrut	7/23/2025 12:30:51 PM	Peak Integrated by Software
Q2635-01MSD	BF143181.D	Di-n-octyl phthalate	Rahul	7/23/2025 8:21:54 AM	Jagrut	7/23/2025 12:31:02 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

BF072325

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168929BS	BF143212.D	Caprolactam	Rahul	7/24/2025 10:38:09 AM	Jagrut	7/24/2025 12:02:14 PM	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF072125

Review By	Rahul	Review On	7/22/2025 8:58:14 AM
Supervise By	Jagrut	Supervise On	7/22/2025 9:00:36 AM
SubDirectory	BF072125	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S12674,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143167.D	21 Jul 2025 12:27	RC/JU	Ok
2	SSTDCCC040	BF143168.D	21 Jul 2025 13:26	RC/JU	Ok
3	PB168929BL	BF143169.D	21 Jul 2025 13:55	RC/JU	Not Ok
4	Q2635-01	BF143170.D	21 Jul 2025 14:30	RC/JU	Ok,M
5	Q2651-01	BF143171.D	21 Jul 2025 15:00	RC/JU	Ok
6	Q2651-02	BF143172.D	21 Jul 2025 15:29	RC/JU	Ok
7	Q2651-03	BF143173.D	21 Jul 2025 15:58	RC/JU	Ok
8	Q2651-04	BF143174.D	21 Jul 2025 16:28	RC/JU	Ok
9	Q2651-05	BF143175.D	21 Jul 2025 16:58	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143176.D	22 Jul 2025 07:48	RC/JU	Ok
2	SSTDCCC040	BF143177.D	22 Jul 2025 08:46	RC/JU	Ok
3	PB168929BL	BF143178.D	22 Jul 2025 09:15	RC/JU	Ok
4	PB168813BS	BF143179.D	22 Jul 2025 09:44	RC/JU	Ok,M
5	Q2635-01MS	BF143180.D	22 Jul 2025 10:26	RC/JU	Ok,M
6	Q2635-01MSD	BF143181.D	22 Jul 2025 10:55	RC/JU	Ok,M
7	Q2638-01	BF143182.D	22 Jul 2025 11:25	RC/JU	Ok,M
8	Q2638-03	BF143183.D	22 Jul 2025 11:54	RC/JU	Ok,M
9	Q2638-05	BF143184.D	22 Jul 2025 12:23	RC/JU	Ok,M
10	Q2638-07	BF143185.D	22 Jul 2025 12:52	RC/JU	ReRun
11	Q2638-09	BF143186.D	22 Jul 2025 13:21	RC/JU	Ok,M
12	SSTDCCC040	BF143187.D	22 Jul 2025 13:55	RC/JU	Ok
13	DFTPP	BF143188.D	22 Jul 2025 14:54	RC/JU	Ok
14	SSTDCCC040	BF143189.D	22 Jul 2025 15:23	RC/JU	Ok
15	PB168954BL	BF143190.D	22 Jul 2025 15:52	RC/JU	Ok
16	Q2641-02	BF143191.D	22 Jul 2025 16:26	RC/JU	Ok
17	Q2649-04	BF143192.D	22 Jul 2025 16:55	RC/JU	Ok,M
18	Q2649-08	BF143193.D	22 Jul 2025 17:25	RC/JU	Ok
19	Q2649-12	BF143194.D	22 Jul 2025 17:54	RC/JU	Ok
20	Q2649-16	BF143195.D	22 Jul 2025 18:23	RC/JU	Ok
21	Q2649-20	BF143196.D	22 Jul 2025 18:53	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2649-24	BF143197.D	22 Jul 2025 19:22	RC/JU	Ok
23	Q2646-03	BF143198.D	22 Jul 2025 19:51	RC/JU	Ok
24	Q2646-03MS	BF143199.D	22 Jul 2025 20:20	RC/JU	Ok,M
25	Q2646-03MSD	BF143200.D	22 Jul 2025 20:49	RC/JU	Ok,M
26	Q2649-21	BF143201.D	22 Jul 2025 21:18	RC/JU	Ok
27	Q2649-13	BF143202.D	22 Jul 2025 21:48	RC/JU	Ok
28	Q2658-02	BF143203.D	22 Jul 2025 22:17	RC/JU	Ok
29	Q2658-01	BF143204.D	22 Jul 2025 22:46	RC/JU	Ok,M
30	Q2660-01	BF143205.D	22 Jul 2025 23:15	RC/JU	Ok
31	Q2649-17	BF143206.D	22 Jul 2025 23:43	RC/JU	Ok,M
32	Q2649-01	BF143207.D	23 Jul 2025 00:12	RC/JU	Ok,M
33	Q2660-03	BF143208.D	23 Jul 2025 00:41	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072325

Review By	Rahul	Review On	7/24/2025 10:37:52 AM
Supervise By	Jagrut	Supervise On	7/24/2025 12:02:50 PM
SubDirectory	BF072325	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143209.D	23 Jul 2025 13:34	RC/JU	Ok
2	SSTDCCC040	BF143210.D	23 Jul 2025 14:33	RC/JU	Ok
3	PB168926TB	BF143211.D	23 Jul 2025 15:02	RC/JU	Ok
4	PB168929BS	BF143212.D	23 Jul 2025 15:31	RC/JU	Ok,M
5	PB168954BS	BF143213.D	23 Jul 2025 16:00	RC/JU	Ok,M
6	PB168948BL	BF143214.D	23 Jul 2025 16:30	RC/JU	Ok
7	PB168948BS	BF143215.D	23 Jul 2025 16:59	RC/JU	Ok,M
8	Q2645-02	BF143216.D	23 Jul 2025 17:28	RC/JU	Ok
9	Q2649-05	BF143217.D	23 Jul 2025 17:57	RC/JU	Ok
10	Q2649-09	BF143218.D	23 Jul 2025 18:26	RC/JU	Ok
11	Q2649-09MS	BF143219.D	23 Jul 2025 18:56	RC/JU	Ok,M
12	Q2649-09MSD	BF143220.D	23 Jul 2025 19:25	RC/JU	Ok,M
13	SSTDCCC040	BF143221.D	23 Jul 2025 19:54	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM
SubDirectory	BF071725	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072125

Review By	Rahul	Review On	7/22/2025 8:58:14 AM
Supervise By	Jagrut	Supervise On	7/22/2025 9:00:36 AM
SubDirectory	BF072125	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143167.D	21 Jul 2025 12:27		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143168.D	21 Jul 2025 13:26		RC/JU	Ok
3	PB168929BL	PB168929BL	BF143169.D	21 Jul 2025 13:55	End CCC missing. Analyzed for contamination check.	RC/JU	Not Ok
4	Q2635-01	RT2286	BF143170.D	21 Jul 2025 14:30		RC/JU	Ok,M
5	Q2651-01	MH 2-1	BF143171.D	21 Jul 2025 15:00		RC/JU	Ok
6	Q2651-02	MH 6-5	BF143172.D	21 Jul 2025 15:29		RC/JU	Ok
7	Q2651-03	MH 7-6	BF143173.D	21 Jul 2025 15:58		RC/JU	Ok
8	Q2651-04	MH 8-7	BF143174.D	21 Jul 2025 16:28		RC/JU	Ok
9	Q2651-05	MH 9-8	BF143175.D	21 Jul 2025 16:58		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM
SubDirectory	BF072225	HP Acquire Method	BNA_F
		HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143176.D	22 Jul 2025 07:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143177.D	22 Jul 2025 08:46		RC/JU	Ok
3	PB168929BL	PB168929BL	BF143178.D	22 Jul 2025 09:15		RC/JU	Ok
4	PB168813BS	PB168813BS	BF143179.D	22 Jul 2025 09:44		RC/JU	Ok,M
5	Q2635-01MS	RT2286MS	BF143180.D	22 Jul 2025 10:26		RC/JU	Ok,M
6	Q2635-01MSD	RT2286MSD	BF143181.D	22 Jul 2025 10:55		RC/JU	Ok,M
7	Q2638-01	OU4-TS-31-071725	BF143182.D	22 Jul 2025 11:25		RC/JU	Ok,M
8	Q2638-03	OU4-TS-32-071725	BF143183.D	22 Jul 2025 11:54		RC/JU	Ok,M
9	Q2638-05	OU4-TS-33-071725	BF143184.D	22 Jul 2025 12:23		RC/JU	Ok,M
10	Q2638-07	OU4-TS-34-071725	BF143185.D	22 Jul 2025 12:52	Surrogate Fail	RC/JU	ReRun
11	Q2638-09	OU4-TS-35-071725	BF143186.D	22 Jul 2025 13:21		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143187.D	22 Jul 2025 13:55		RC/JU	Ok
13	DFTPP	DFTPP	BF143188.D	22 Jul 2025 14:54		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF143189.D	22 Jul 2025 15:23		RC/JU	Ok
15	PB168954BL	PB168954BL	BF143190.D	22 Jul 2025 15:52		RC/JU	Ok
16	Q2641-02	P001-CONCRETE001	BF143191.D	22 Jul 2025 16:26		RC/JU	Ok
17	Q2649-04	WC-1	BF143192.D	22 Jul 2025 16:55		RC/JU	Ok,M
18	Q2649-08	WC-2	BF143193.D	22 Jul 2025 17:25		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725
STD. NAME		STD REF.#			
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840				
CCC	SP6836				
Internal Standard/PEM	S13168,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q2649-12	WC-3	BF143194.D	22 Jul 2025 17:54		RC/JU	Ok
20	Q2649-16	WC-4	BF143195.D	22 Jul 2025 18:23		RC/JU	Ok
21	Q2649-20	WC-5	BF143196.D	22 Jul 2025 18:53		RC/JU	Ok
22	Q2649-24	WC-6	BF143197.D	22 Jul 2025 19:22		RC/JU	Ok
23	Q2646-03	FRAC TANK	BF143198.D	22 Jul 2025 19:51	Internal standard fail.	RC/JU	Ok
24	Q2646-03MS	FRAC TANKMS	BF143199.D	22 Jul 2025 20:20		RC/JU	Ok,M
25	Q2646-03MSD	FRAC TANKMSD	BF143200.D	22 Jul 2025 20:49		RC/JU	Ok,M
26	Q2649-21	WC-6	BF143201.D	22 Jul 2025 21:18		RC/JU	Ok
27	Q2649-13	WC-4	BF143202.D	22 Jul 2025 21:48		RC/JU	Ok
28	Q2658-02	PAD-072125-2	BF143203.D	22 Jul 2025 22:17		RC/JU	Ok
29	Q2658-01	PAD-072125-1	BF143204.D	22 Jul 2025 22:46	Internal standard fail.	RC/JU	Ok,M
30	Q2660-01	MOO-25-0205	BF143205.D	22 Jul 2025 23:15	Internal standard fail.	RC/JU	Ok
31	Q2649-17	WC-5	BF143206.D	22 Jul 2025 23:43		RC/JU	Ok,M
32	Q2649-01	WC-1	BF143207.D	23 Jul 2025 00:12		RC/JU	Ok,M
33	Q2660-03	MOO-25-0218	BF143208.D	23 Jul 2025 00:41	Internal standard fail	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF072325

Review By	Rahul	Review On	7/24/2025 10:37:52 AM
Supervise By	Jagrut	Supervise On	7/24/2025 12:02:50 PM
SubDirectory	BF072325	HP Acquire Method	BNA_F
		HP Processing Method	bf071725
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840		
CCC	SP6836		
Internal Standard/PEM	S13168,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143209.D	23 Jul 2025 13:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143210.D	23 Jul 2025 14:33		RC/JU	Ok
3	PB168926TB	PB168926TB	BF143211.D	23 Jul 2025 15:02		RC/JU	Ok
4	PB168929BS	PB168929BS	BF143212.D	23 Jul 2025 15:31		RC/JU	Ok,M
5	PB168954BS	PB168954BS	BF143213.D	23 Jul 2025 16:00		RC/JU	Ok,M
6	PB168948BL	PB168948BL	BF143214.D	23 Jul 2025 16:30		RC/JU	Ok
7	PB168948BS	PB168948BS	BF143215.D	23 Jul 2025 16:59		RC/JU	Ok,M
8	Q2645-02	RW5B-CARBON-20250	BF143216.D	23 Jul 2025 17:28	Surrogate Fail	RC/JU	Ok
9	Q2649-05	WC-2	BF143217.D	23 Jul 2025 17:57		RC/JU	Ok
10	Q2649-09	WC-3	BF143218.D	23 Jul 2025 18:26		RC/JU	Ok
11	Q2649-09MS	WC-3MS	BF143219.D	23 Jul 2025 18:56		RC/JU	Ok,M
12	Q2649-09MSD	WC-3MSD	BF143220.D	23 Jul 2025 19:25		RC/JU	Ok,M
13	SSTDCCC040	SSTDCCC040EC	BF143221.D	23 Jul 2025 19:54		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2637-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2637-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2637-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2637-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2637-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2637-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2638-01	OU4-TS-31-071725	7	1.15	10.44	11.59	8.29	68.4	
Q2638-03	OU4-TS-32-071725	8	1.14	10.41	11.55	7.92	65.1	
Q2638-05	OU4-TS-33-071725	9	1.12	10.69	11.81	8.04	64.7	
Q2638-07	OU4-TS-34-071725	10	1.18	10.81	11.99	8.58	68.5	
Q2638-09	OU4-TS-35-071725	11	1.18	10.24	11.42	9.62	82.4	
Q2638-11	OU4-TS-36-071725	12	1.16	10.22	11.38	9.53	81.9	
Q2638-13	OU4-TS-37-071725	13	1.14	10.27	11.41	9.48	81.2	
Q2639-01	OU4-TS-38-071725	14	1.16	10.58	11.74	9.69	80.6	
Q2639-03	OU4-TS-39-071725	15	1.12	10.64	11.76	9.74	81.0	
Q2639-05	OU4-TS-40-071725	16	1.16	10.23	11.39	9.42	80.7	
Q2639-07	OU4-TS-41-071725	17	1.18	10.20	11.38	9.54	82.0	
Q2639-09	OU4-TS-42-071725	18	1.19	10.34	11.53	7.42	60.3	
Q2639-11	OU4-TS-43-071725	19	1.19	10.67	11.86	7.38	58.0	
Q2639-13	OU4-TS-44-071725	20	1.12	10.87	11.99	8.18	64.9	
Q2641-01	P001-CONCRETE001-01	21	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2645-02	RW5B-CARBON-20250716	22	1.17	10.52	11.69	8.39	68.6	
Q2648-01	A3	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-02	A4	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-03	B2	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-04	B3	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2648-05	B4	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2651-01	MH 2-1	28	1.18	10.67	11.85	11.26	94.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136542

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
Q2651-02	MH 6-5	29	1.15	10.40	11.55	10.9	93.8	
Q2651-03	MH 7-6	30	1.12	10.20	11.32	10.7	93.9	
Q2651-04	MH 8-7	31	1.13	10.44	11.57	11.01	94.6	
Q2651-05	MH 9-8	32	1.13	10.27	11.4	10.67	92.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2637-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2637-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-01	OU4-TS-31-071725	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	07/11/2025	Chemtech -SO
Q2638-03	OU4-TS-32-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-05	OU4-TS-33-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-07	OU4-TS-34-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-09	OU4-TS-35-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-11	OU4-TS-36-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2638-13	OU4-TS-37-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-01	OU4-TS-38-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O21	07/17/2025	Chemtech -SO
Q2639-03	OU4-TS-39-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-05	OU4-TS-40-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-07	OU4-TS-41-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-09	OU4-TS-42-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-11	OU4-TS-43-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2639-13	OU4-TS-44-071725	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/17/2025	Chemtech -SO
Q2641-01	P001-CONCRETE001-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	O22	07/16/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/18/25 17:35

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

VB 136542

WorkList Name : %1-071825

WorkList ID : 190813

Department : Wet-Chemistry

Date : 07-18-2025 07:56:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2645-02	RW5B-CARBON-20250716	Solid	Percent Solids	Cool 4 deg C	TETR06	O41	07/16/2025	Chemtech -SO
Q2648-01	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-02	A4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-03	B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-04	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2648-05	B4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-01	MH 2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	07/18/2025	Chemtech -SO
Q2651-02	MH 6-5	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-03	MH 7-6	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-04	MH 8-7	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO
Q2651-05	MH 9-8	Solid	Percent Solids	Cool 4 deg C	EARTH03	O22	07/17/2025	Chemtech -SO

Date/Time 07/18/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 07/18/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Extraction Start Date : 07/21/2025

Matrix : Solid

Extraction Start Time : 09:30

Weigh By: EH

Extraction By: RJ

Extraction End Date : 07/21/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:45

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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	EP2626
Baked Na2SO4	N/A	EP2625
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/21/25	RS (Ext Lab)	Relsvoc
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 07/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168929BL	SBLK929	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			U2-1
PB168929BS	SLCS929	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1			2
Q2635-01	RT2286	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q2635-01MS	RT2286MS	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q2635-01MS D	RT2286MSD	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q2638-01	OU4-TS-31-071725	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	D		6
Q2638-03	OU4-TS-32-071725	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	D		U3-1
Q2638-05	OU4-TS-33-071725	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	D		2
Q2638-07	OU4-TS-34-071725	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	D		3
Q2638-09	OU4-TS-35-071725	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	D		4
Q2638-11	OU4-TS-36-071725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	D		5
Q2638-13	OU4-TS-37-071725	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	D		6
Q2639-01	OU4-TS-38-071725	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	D		U6-1
Q2639-03	OU4-TS-39-071725	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	D		2
Q2639-05	OU4-TS-40-071725	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	D		3
Q2639-07	OU4-TS-41-071725	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	D		4
Q2639-09	OU4-TS-42-071725	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	D		5
Q2639-11	OU4-TS-43-071725	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	D		6
Q2639-13	OU4-TS-44-071725	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	D		U1-1
Q2651-01	MH 2-1	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	B		2
Q2651-02	MH 6-5	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	B		3
Q2651-03	MH 7-6	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		4
Q2651-04	MH 8-7	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	B		5
Q2651-05	MH 9-8	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		6

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2651 WorkList ID : 190840 Department : Extraction Date : 07-21-2025 08:46:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2635-01	RT2286	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	07/17/2025	8270E
Q2638-01	OU4-TS-31-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-03	OU4-TS-32-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-05	OU4-TS-33-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-07	OU4-TS-34-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-09	OU4-TS-35-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-11	OU4-TS-36-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2638-13	OU4-TS-37-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O21	07/17/2025	8270E
Q2639-01	OU4-TS-38-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-03	OU4-TS-39-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-05	OU4-TS-40-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-07	OU4-TS-41-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-09	OU4-TS-42-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-11	OU4-TS-43-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2639-13	OU4-TS-44-071725	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/17/2025	8270E
Q2651-01	MH 2-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	O22	07/17/2025	8270E
Q2651-02	MH 6-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	O22	07/17/2025	8270E
Q2651-03	MH 7-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	O22	07/17/2025	8270E
Q2651-04	MH 8-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	O22	07/17/2025	8270E
Q2651-05	MH 9-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	O22	07/17/2025	8270E

Date/Time 6/21/25 9:25
 Raw Sample Received by: RJ (FJA-1044)
 Raw Sample Relinquished by: CP 8

Date/Time 6/21/25 9:55
 Raw Sample Received by: CP 8
 Raw Sample Relinquished by: RSC (FJA-1044)



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: **Earth Engineering Inc**
ADDRESS: **403 Commerce Lane**
CITY: **West Berlin** STATE: **NJ** ZIP: **08091**
ATTENTION: **Frank Dougherty**
PHONE: **856-768-1001** FAX:

PROJECT NAME: **Leon Avenue**
PROJECT NO.: **38642** LOCATION: **NJ**
PROJECT MANAGER: **Frank Dougherty**
e-mail: **frankd@earthengineering.com**
PHONE: FAX:

BILL TO: **Same** PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) **5** DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☒ 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

TCL+30/TAL
EPH
1 2 3 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	MH 2-1	So.1		X	7/17/25	9:20	2	X	X									
2.	MH 6-5			X		9:55	2	X	X									
3.	MH 7-6			X		10:30	2	X	X									
4.	MH 8-7			X		10:50	2	X	X									
5.	MH 9-8			X		11:30	2	X	X									
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 	DATE/TIME: 7-18-2025 1340	RECEIVED BY: 	7/18/25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP: 1-8°C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		Comments:
2.		2.		
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:		
3.		3.		

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2651	EARTH03	Order Date : 7/18/2025 2:29:11 PM	Project Mgr :
Client Name : Earth Engineering Inc.		Project Name : Leon Avenue ~~38648~~	Report Type : Level 1
Client Contact : Frank Dougherty, LSRP		Receive DateTime : 7/18/2025 1:40:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Earth Engineering Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Frank Dougherty, LSRP			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2651-01	MH 2-1	Solid	07/17/2025	09:20					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-02	MH 6-5	Solid	07/17/2025	09:55					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-03	MH 7-6	Solid	07/17/2025	10:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-04	MH 8-7	Solid	07/17/2025	10:50					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	
Q2651-05	MH 9-8	Solid	07/17/2025	11:30					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	5 Bus. Days	

Relinquished By : CP

Date / Time : 7/18/25 15:15

Received By : Sam

Date / Time : 07/18/25

Storage Area : VOA Refridgerator Room