

Cover Page

Order ID : Q1235

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number

Q1235-01
Q1235-02
Q1235-03
Q1235-04
Q1235-05
Q1235-06
Q1235-07
Q1235-08

Client Sample Number

JPP-51.2-012925
JPP-51.2-012925
JPP-51.2-012925
JPP-51.2-012925
JPP-16.1-012925
JPP-16.1-012925
JPP-16.1-012925
JPP-16.1-012925

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 2/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1235

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: JATIN SATHVARA

Date: 02/12/2025

LAB CHRONICLE

OrderID:	Q1235	OrderDate:	1/30/2025 12:15:00 PM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1235-03	JPP-51.2-012925	SOIL	SVOC-TCL BNA -20	8270E	01/29/25	01/31/25	02/08/25	01/30/25
Q1235-04	JPP-51.2-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25
Q1235-07	JPP-16.1-012925	SOIL	SVOC-TCL BNA -20	8270E	01/29/25	01/31/25	02/07/25	01/30/25
Q1235-08	JPP-16.1-012925	TCLP	TCLP BNA	8270E	01/29/25	01/31/25	02/03/25	01/30/25

Hit Summary Sheet SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-51.2-012925								
Q1235-03	JPP-51.2-012925	SOIL	Naphthalene	230.000	J	180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Phenanthrene	800.000		180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Anthracene	220.000	J	180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Fluoranthene	760.000		180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Pyrene	850.000		180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzo(a)anthracene	440.000		180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Chrysene	400.000		170	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzo(b)fluoranthene	450.000		180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzo(k)fluoranthene	190.000	J	180	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzo(a)pyrene	410.000		200	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Indeno(1,2,3-cd)pyrene	180.000	J	170	370	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzo(g,h,i)perylene	250.000	J	170	370	ug/Kg
Total Svoc :				5,180.00				
Q1235-03	JPP-51.2-012925	SOIL	(E)-Hexadec-9-enoic acid	*	480.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	810.000	AB	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	4-Bromothiophene-2-aldehyde	*	310.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Benzophenone	*	270.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Dibenzothiophene	*	180.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Hexadecane	*	290.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Naphthalene, 2,3-dimethyl-	*	160.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Nonadecane	*	220.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Pentadecane	*	240.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Phenanthrene, 1-methyl-	*	170.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Tetradecane	*	160.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Tridecane	*	430.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Tridecane, 6-methyl-	*	260.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Tridecane, 7-hexyl-	*	150.000	J	0	ug/Kg
Q1235-03	JPP-51.2-012925	SOIL	Undecane, 2-methyl-	*	240.000	J	0	ug/Kg
Total Tics :				4,370.00				
Total Concentration:				9,550.00				
Client ID : JPP-16.1-012925								
Q1235-07	JPP-16.1-012925	SOIL	Phenanthrene	1,700.000		190	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Anthracene	480.000		190	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Fluoranthene	3,700.000		180	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Pyrene	4,200.000		190	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzo(a)anthracene	2,300.000		180	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Chrysene	1,800.000		180	380	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1235-07	JPP-16.1-012925	SOIL	Benzo(b)fluoranthene	2,200.000		180	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzo(k)fluoranthene	1,100.000		180	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzo(a)pyrene	2,200.000		210	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Indeno(1,2,3-cd)pyrene	940.000		170	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Dibenzo(a,h)anthracene	290.000	J	180	380	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzo(g,h,i)perylene	1,100.000		180	380	ug/Kg
Total Svoc :				22,010.00				
Q1235-07	JPP-16.1-012925	SOIL	11H-Benzo[b]fluorene	*	300.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	5H-Indeno[1,2-b]pyridine	*	150.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Anthracene, 2-methyl-	*	260.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	740.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Benzophenone	*	250.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Naphthalene, 2-phenyl-	*	270.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Pyrene, 1-methyl-	*	240.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Pyrene, 4-methyl-	*	220.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	unknown12.404	*	210.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Cyclopenta(def)phenanthrenone	*	220.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Dehydrochamazulene	*	170.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Phenanthrene, 1-methyl-	*	210.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Phenanthrene, 2,5-dimethyl-	*	240.000	J 0	0	ug/Kg
Q1235-07	JPP-16.1-012925	SOIL	Phenanthrene, 2-methyl-	*	520.000	J 0	0	ug/Kg
Total Tics :				4,000.00				
Total Concentration:				26,010.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166418BL	PB166418BL	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	129	86		15	107
		Nitrobenzene-d5	100	96.1	96		18	107
		2-Fluorobiphenyl	100	96.5	97		20	109
		2,4,6-Tribromophenol	150	147	98		10	116
		Terphenyl-d14	100	94.3	94		10	105
PB166418BS	PB166418BS	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	97.1	97		18	107
		2-Fluorobiphenyl	100	98.9	99		20	109
		2,4,6-Tribromophenol	150	160	106		10	116
		Terphenyl-d14	100	96.1	96		10	105
Q1235-03	JPP-51.2-012925	2-Fluorophenol	150	19.7	13	*	18	112
		Phenol-d6	150	79.9	53		15	107
		Nitrobenzene-d5	100	60.3	60		18	107
		2-Fluorobiphenyl	100	68.7	69		20	109
		2,4,6-Tribromophenol	150	5.00	3	*	10	116
		Terphenyl-d14	100	76.3	76		10	105
Q1235-07	JPP-16.1-012925	2-Fluorophenol	150	68.5	46		18	112
		Phenol-d6	150	69.6	46		15	107
		Nitrobenzene-d5	100	48.6	49		18	107
		2-Fluorobiphenyl	100	55.1	55		20	109
		2,4,6-Tribromophenol	150	52.2	35		10	116
		Terphenyl-d14	100	55.0	55		10	105
Q1239-10MS	357MS	2-Fluorophenol	150	80.0	53		18	112
		Phenol-d6	150	78.3	52		15	107
		Nitrobenzene-d5	100	54.3	54		18	107
		2-Fluorobiphenyl	100	53.2	53		20	109
		2,4,6-Tribromophenol	150	80.6	54		10	116
		Terphenyl-d14	100	46.0	46		10	105
Q1239-10MSD	357MSD	2-Fluorophenol	150	84.0	56		18	112
		Phenol-d6	150	82.0	55		15	107
		Nitrobenzene-d5	100	57.9	58		18	107
		2-Fluorobiphenyl	100	55.5	55		20	109
		2,4,6-Tribromophenol	150	84.1	56		10	116
		Terphenyl-d14	100	49.7	50		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1239-10MS	Client Sample ID:	357MS					DataFile:	BF141345.D		
Benzaldehyde	1200	0	1000	ug/Kg	83				10	86	
Phenol	1200	0	880	ug/Kg	73				67	126	
bis(2-Chloroethyl)ether	1200	0	900	ug/Kg	75				54	125	
2-Chlorophenol	1200	0	900	ug/Kg	75	*			79	107	
2-Methylphenol	1200	0	860	ug/Kg	72				66	122	
2,2-oxybis(1-Chloropropane)	1200	0	880	ug/Kg	73				65	110	
Acetophenone	1200	0	990	ug/Kg	83				75	111	
3+4-Methylphenols	1200	0	920	ug/Kg	77				66	104	
N-Nitroso-di-n-propylamine	1200	0	900	ug/Kg	75				59	119	
Hexachloroethane	1200	0	860	ug/Kg	72				65	117	
Nitrobenzene	1200	0	840	ug/Kg	70				70	119	
Isophorone	1200	0	900	ug/Kg	75	*			76	122	
2-Nitrophenol	1200	0	900	ug/Kg	75				54	145	
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92				44	135	
bis(2-Chloroethoxy)methane	1200	0	880	ug/Kg	73				68	112	
2,4-Dichlorophenol	1200	0	900	ug/Kg	75				72	118	
Naphthalene	1200	0	850	ug/Kg	71	*			72	110	
4-Chloroaniline	1200	0	210	ug/Kg	18				10	91	
Hexachlorobutadiene	1200	0	840	ug/Kg	70				66	114	
Caprolactam	1200	0	990	ug/Kg	83				51	134	
4-Chloro-3-methylphenol	1200	0	870	ug/Kg	73				57	132	
2-Methylnaphthalene	1200	0	840	ug/Kg	70				59	123	
Hexachlorocyclopentadiene	2400	0	3200	ug/Kg	133				10	175	
2,4,6-Trichlorophenol	1200	0	920	ug/Kg	77				72	117	
2,4,5-Trichlorophenol	1200	0	890	ug/Kg	74				72	117	
1,1-Biphenyl	1200	0	990	ug/Kg	83				75	113	
2-Chloronaphthalene	1200	0	850	ug/Kg	71				67	118	
2-Nitroaniline	1200	0	900	ug/Kg	75				69	127	
Dimethylphthalate	1200	0	910	ug/Kg	76				70	113	
Acenaphthylene	1200	0	940	ug/Kg	78	*			79	118	
2,6-Dinitrotoluene	1200	0	860	ug/Kg	72				70	125	
3-Nitroaniline	1200	0	530	ug/Kg	44				30	99	
Acenaphthene	1200	0	980	ug/Kg	82				70	121	
2,4-Dinitrophenol	2400	0	2200	ug/Kg	92				10	155	
4-Nitrophenol	2400	0	1600	ug/Kg	67				45	133	
Dibenzofuran	1200	0	870	ug/Kg	73				72	110	
2,4-Dinitrotoluene	1200	0	880	ug/Kg	73				55	128	
Diethylphthalate	1200	0	900	ug/Kg	75				70	112	
4-Chlorophenyl-phenylether	1200	0	850	ug/Kg	71				71	108	
Fluorene	1200	0	850	ug/Kg	71				68	116	
4-Nitroaniline	1200	0	800	ug/Kg	67				55	120	
4,6-Dinitro-2-methylphenol	1200	0	1100	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1200	0	990	ug/Kg	83				73	118	
4-Bromophenyl-phenylether	1200	0	970	ug/Kg	81				65	121	
Hexachlorobenzene	1200	0	940	ug/Kg	78				67	118	
Atrazine	1200	0	1000	ug/Kg	83				79	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	1800	ug/Kg	75				47	128	
Phenanthrene	1200	0	940	ug/Kg	78				52	128	
Anthracene	1200	0	950	ug/Kg	79				62	124	
Carbazole	1200	0	850	ug/Kg	71				59	119	
Di-n-butylphthalate	1200	0	960	ug/Kg	80				69	118	
Fluoranthene	1200	0	840	ug/Kg	70				44	125	
Pyrene	1200	0	740	ug/Kg	62				26	142	
Butylbenzylphthalate	1200	0	860	ug/Kg	72				64	126	
3,3-Dichlorobenzidine	1200	0	670	ug/Kg	56				33	116	
Benzo(a)anthracene	1200	0	860	ug/Kg	72				71	114	
Chrysene	1200	0	910	ug/Kg	76				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	890	ug/Kg	74				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				23	175	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1200	0	890	ug/Kg	74				57	134	
Benzo(a)pyrene	1200	0	990	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	720	ug/Kg	60				40	129	
Dibenz(a,h)anthracene	1200	0	730	ug/Kg	61				43	123	
Benzo(g,h,i)perylene	1200	0	640	ug/Kg	53				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	960	ug/Kg	80				69	124	
1,4-Dioxane	1200	0	900	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	930	ug/Kg	78				69	112	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1239-10MSD	Client Sample ID:	357MSD					DataFile:	BF141346.D		
Benzaldehyde	1200	0	1100	ug/Kg	92	*	10		10	86	20
Phenol	1200	0	920	ug/Kg	77		5		67	126	20
bis(2-Chloroethyl)ether	1200	0	940	ug/Kg	78		4		54	125	20
2-Chlorophenol	1200	0	950	ug/Kg	79		5		79	107	20
2-Methylphenol	1200	0	900	ug/Kg	75		4		66	122	20
2,2-oxybis(1-Chloropropane)	1200	0	920	ug/Kg	77		5		65	110	20
Acetophenone	1200	0	1100	ug/Kg	92		10		75	111	20
3+4-Methylphenols	1200	0	970	ug/Kg	81		5		66	104	20
N-Nitroso-di-n-propylamine	1200	0	940	ug/Kg	78		4		59	119	20
Hexachloroethane	1200	0	910	ug/Kg	76		5		65	117	20
Nitrobenzene	1200	0	910	ug/Kg	76		8		70	119	20
Isophorone	1200	0	960	ug/Kg	80		6		76	122	20
2-Nitrophenol	1200	0	970	ug/Kg	81		8		54	145	20
2,4-Dimethylphenol	1200	0	1200	ug/Kg	100		8		44	135	20
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79		8		68	112	20
2,4-Dichlorophenol	1200	0	950	ug/Kg	79		5		72	118	20
Naphthalene	1200	0	900	ug/Kg	75		5		72	110	20
4-Chloroaniline	1200	0	240	ug/Kg	20		11		10	91	20
Hexachlorobutadiene	1200	0	890	ug/Kg	74		6		66	114	20
Caprolactam	1200	0	1100	ug/Kg	92		10		51	134	20
4-Chloro-3-methylphenol	1200	0	930	ug/Kg	78		7		57	132	20
2-Methylnaphthalene	1200	0	890	ug/Kg	74		6		59	123	20
Hexachlorocyclopentadiene	2400	0	3400	ug/Kg	142		7		10	175	20
2,4,6-Trichlorophenol	1200	0	970	ug/Kg	81		5		72	117	20
2,4,5-Trichlorophenol	1200	0	950	ug/Kg	79		7		72	117	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		0		75	113	20
2-Chloronaphthalene	1200	0	900	ug/Kg	75		5		67	118	20
2-Nitroaniline	1200	0	950	ug/Kg	79		5		69	127	20
Dimethylphthalate	1200	0	970	ug/Kg	81		6		70	113	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		79	118	20
2,6-Dinitrotoluene	1200	0	910	ug/Kg	76		5		70	125	20
3-Nitroaniline	1200	0	550	ug/Kg	46		4		30	99	20
Acenaphthene	1200	0	1000	ug/Kg	83		1		70	121	20
2,4-Dinitrophenol	2400	0	2300	ug/Kg	96		4		10	155	20
4-Nitrophenol	2400	0	1700	ug/Kg	71		6		45	133	20
Dibenzofuran	1200	0	920	ug/Kg	77		5		72	110	20
2,4-Dinitrotoluene	1200	0	930	ug/Kg	78		7		55	128	20
Diethylphthalate	1200	0	950	ug/Kg	79		5		70	112	20
4-Chlorophenyl-phenylether	1200	0	900	ug/Kg	75		5		71	108	20
Fluorene	1200	0	900	ug/Kg	75		5		68	116	20
4-Nitroaniline	1200	0	870	ug/Kg	73		9		55	120	20
4,6-Dinitro-2-methylphenol	1200	0	1200	ug/Kg	100		8		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		10		73	118	20
4-Bromophenyl-phenylether	1200	0	1000	ug/Kg	83		2		65	121	20
Hexachlorobenzene	1200	0	990	ug/Kg	83		6		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		10		79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2400	0	2000	ug/Kg	83		10		47	128	20
Phenanthrene	1200	0	1000	ug/Kg	83		6		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		5		62	124	20
Carbazole	1200	0	920	ug/Kg	77		8		59	119	20
Di-n-butylphthalate	1200	0	1000	ug/Kg	83		4		69	118	20
Fluoranthene	1200	0	920	ug/Kg	77		10		44	125	20
Pyrene	1200	0	810	ug/Kg	68		9		26	142	20
Butylbenzylphthalate	1200	0	930	ug/Kg	78		8		64	126	20
3,3-Dichlorobenzidine	1200	0	750	ug/Kg	63		12		33	116	20
Benzo(a)anthracene	1200	0	930	ug/Kg	78		8		71	114	20
Chrysene	1200	0	980	ug/Kg	82		8		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	970	ug/Kg	81		9		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		23	175	20
Benzo(b)fluoranthene	1200	0	990	ug/Kg	83		0		67	121	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		22	*	57	134	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	770	ug/Kg	64		6		40	129	20
Dibenz(a,h)anthracene	1200	0	780	ug/Kg	65		6		43	123	20
Benzo(g,h,i)perylene	1200	0	690	ug/Kg	58		9		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		4		69	124	20
1,4-Dioxane	1200	0	950	ug/Kg	79		5		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83		6		69	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: 8270E

DataFile: BF141441.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166418BS	Benzaldehyde	1700	1700	ug/Kg	100				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1700	ug/Kg	100		*		66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				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	6300	ug/Kg	191		*		45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				37	128	
	4-Nitrophenol	3300	3200	ug/Kg	97				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1235

Client: RU2 Engineering, LLC

Analytical Method: 8270E

DataFile: BF141441.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166418BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	710	ug/Kg	42				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	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				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	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166418BL

Lab Name: CHEMTECH

Contract: RUTW01

Lab Code: CHEM Case No.: Q1235

SAS No.: Q1235 SDG NO.: Q1235

Lab File ID: BF141440.D

Lab Sample ID: PB166418BL

Instrument ID: BNA_F

Date Extracted: 01/31/2025

Matrix: (soil/water) SOIL

Date Analyzed: 02/05/2025

Level: (low/med) LOW

Time Analyzed: 12:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166418BS	PB166418BS	BF141441.D	02/05/2025
JPP-16.1-012925	Q1235-07	BF141522.D	02/07/2025
JPP-51.2-012925	Q1235-03	BF141529.D	02/08/2025
357MS	Q1239-10MS	BF141345.D	01/31/2025
357MSD	Q1239-10MSD	BF141346.D	01/31/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1235 SDG NO.: Q1235Lab File ID: BF141289.DDFTPP Injection Date: 01/29/2025Instrument ID: BNA_FDFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	83.6
443	15.0 - 24.0% of mass 442	16.2 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1235 SDG NO.: Q1235Lab File ID: BF141335.DDFTPP Injection Date: 01/31/2025Instrument ID: BNA_FDFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.6 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141336.D	01/31/2025	17:19
357MS	Q1239-10MS	BF141345.D	01/31/2025	21:23
357MSD	Q1239-10MSD	BF141346.D	01/31/2025	21:50



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1235 SDG NO.: Q1235Lab File ID: BF141434.DDFTPP Injection Date: 02/05/2025Instrument ID: BNA_FDFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141435.D	02/05/2025	10:02
PB166418BL	PB166418BL	BF141440.D	02/05/2025	12:13
PB166418BS	PB166418BS	BF141441.D	02/05/2025	12:39



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1235 SDG NO.: Q1235Lab File ID: BF141471.DDFTPP Injection Date: 02/06/2025Instrument ID: BNA_FDFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	75.9
443	15.0 - 24.0% of mass 442	14.4 (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
SSTDICC2.5	SSTDICC2.5	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: RUTW01Lab Code: CHEMSAS No.: Q1235 SDG NO.: Q1235Lab File ID: BF141505.DDFTPP Injection Date: 02/07/2025Instrument ID: BNA_FDFTPP Injection Time: 14:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	84.4
443	15.0 - 24.0% of mass 442	15.3 (18.1) 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	BF141506.D	02/07/2025	14:33
JPP-16.1-012925	Q1235-07	BF141522.D	02/07/2025	21:40
JPP-51.2-012925	Q1235-03	BF141529.D	02/08/2025	00:47

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

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

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

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	140033	6.798	558386	8.08	299701	9.84
UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
EPA SAMPLE NO.						
01 357MS	151192	6.80	601644	8.08	313664	9.84
02 357MSD	149445	6.80	587795	8.08	309142	9.84

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	493954	11.322	281629	13.968	286623	15.433
	UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
	LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
	EPA SAMPLE NO.						
01	357MS	473142	11.32	293043	13.97	307605	15.43
02	357MSD	457150	11.32	288493	13.97	294341	15.42

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

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

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

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	78610	6.792	301871	8.08	162758	9.83
UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
EPA SAMPLE NO.						
01 PB166418BL	76450	6.79	302478	8.07	163001	9.83
02 PB166418BS	69377	6.79	275008	8.08	148846	9.83

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

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

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

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	271503	11.316	168458	13.963	170248	15.427
UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
EPA SAMPLE NO.						
01 PB166418BL	280778	11.32	198135	13.96	160441	15.43
02 PB166418BS	260150	11.32	177509	13.96	152303	15.43

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.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	91880	6.787	360290	8.08	198348	9.83
UPPER LIMIT	183760	7.287	720580	8.575	396696	10.328
LOWER LIMIT	45940	6.287	180145	7.575	99174	9.328
EPA SAMPLE NO.						
01 JPP-51.2-012925	74004	6.79	282155	8.08	139032	9.83
02 JPP-16.1-012925	91628	6.79	347094	8.08	170343	9.83

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG NO.: Q1235

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/07/2025

Lab File ID: BF141506.D Time Analyzed: 14:33

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	340922	11.316	238177	13.957	192868	15.416
UPPER LIMIT	681844	11.816	476354	14.457	385736	15.916
LOWER LIMIT	170461	10.816	119089	13.457	96434	14.916
EPA SAMPLE NO.						
01 JPP-51.2-012925	214327	11.32	125100	13.96	97428	15.42
02 JPP-16.1-012925	255902	11.32	155441	13.96	120766	15.44

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
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
BF141529.D	2	01/31/25 10:20	02/08/25 00:47	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	720	U	400	720	ug/Kg
108-95-2	Phenol	370	U	180	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	370	U	180	370	ug/Kg
95-57-8	2-Chlorophenol	370	U	180	370	ug/Kg
95-48-7	2-Methylphenol	370	U	180	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	370	U	200	370	ug/Kg
98-86-2	Acetophenone	370	UQ	190	370	ug/Kg
65794-96-9	3+4-Methylphenols	720	U	170	720	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	87.7	170	ug/Kg
67-72-1	Hexachloroethane	370	U	180	370	ug/Kg
98-95-3	Nitrobenzene	370	U	200	370	ug/Kg
78-59-1	Isophorone	370	U	180	370	ug/Kg
88-75-5	2-Nitrophenol	370	U	210	370	ug/Kg
105-67-9	2,4-Dimethylphenol	370	U	200	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	190	370	ug/Kg
120-83-2	2,4-Dichlorophenol	370	U	160	370	ug/Kg
91-20-3	Naphthalene	230	J	180	370	ug/Kg
106-47-8	4-Chloroaniline	370	U	180	370	ug/Kg
87-68-3	Hexachlorobutadiene	370	U	180	370	ug/Kg
105-60-2	Caprolactam	720	U	190	720	ug/Kg
59-50-7	4-Chloro-3-methylphenol	370	U	170	370	ug/Kg
91-57-6	2-Methylnaphthalene	370	U	180	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	720	UQ	340	720	ug/Kg
88-06-2	2,4,6-Trichlorophenol	370	U	160	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	370	U	160	370	ug/Kg
92-52-4	1,1-Biphenyl	370	U	190	370	ug/Kg
91-58-7	2-Chloronaphthalene	370	U	180	370	ug/Kg
88-74-4	2-Nitroaniline	370	U	210	370	ug/Kg
131-11-3	Dimethylphthalate	370	U	180	370	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
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
BF141529.D	2	01/31/25 10:20	02/08/25 00:47	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	370	U	190	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	370	U	180	370	ug/Kg
99-09-2	3-Nitroaniline	370	U	190	370	ug/Kg
83-32-9	Acenaphthene	370	U	180	370	ug/Kg
51-28-5	2,4-Dinitrophenol	720	U	530	720	ug/Kg
100-02-7	4-Nitrophenol	720	U	250	720	ug/Kg
132-64-9	Dibenzofuran	370	U	180	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	370	U	190	370	ug/Kg
84-66-2	Diethylphthalate	370	U	170	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	370	U	190	370	ug/Kg
86-73-7	Fluorene	370	U	190	370	ug/Kg
100-01-6	4-Nitroaniline	370	U	230	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720	U	250	720	ug/Kg
86-30-6	n-Nitrosodiphenylamine	370	U	180	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	370	U	170	370	ug/Kg
118-74-1	Hexachlorobenzene	370	U	190	370	ug/Kg
1912-24-9	Atrazine	370	U	200	370	ug/Kg
87-86-5	Pentachlorophenol	720	U	170	720	ug/Kg
85-01-8	Phenanthrene	800		180	370	ug/Kg
120-12-7	Anthracene	220	J	180	370	ug/Kg
86-74-8	Carbazole	370	U	170	370	ug/Kg
84-74-2	Di-n-butylphthalate	370	U	180	370	ug/Kg
206-44-0	Fluoranthene	760		180	370	ug/Kg
129-00-0	Pyrene	850		180	370	ug/Kg
85-68-7	Butylbenzylphthalate	370	U	210	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	210	720	ug/Kg
56-55-3	Benzo(a)anthracene	440		180	370	ug/Kg
218-01-9	Chrysene	400		170	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370	U	200	370	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	240	720	ug/Kg
205-99-2	Benzo(b)fluoranthene	450		180	370	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
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
BF141529.D	2	01/31/25 10:20	02/08/25 00:47	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	190	J	180	370	ug/Kg
50-32-8	Benzo(a)pyrene	410		200	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	170	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	370	U	180	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	J	170	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	370	U	190	370	ug/Kg
123-91-1	1,4-Dioxane	370	U	240	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	370	U	160	370	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	19.7	*	18 - 112	13%	SPK: 150
13127-88-3	Phenol-d6	79.9		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.7		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	5.00	*	10 - 116	3%	SPK: 150
1718-51-0	Terphenyl-d14	76.3		10 - 105	76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	74000	6.792
1146-65-2	Naphthalene-d8	282000	8.075
15067-26-2	Acenaphthene-d10	139000	9.828
1517-22-2	Phenanthrene-d10	214000	11.316
1719-03-5	Chrysene-d12	125000	13.963
1520-96-3	Perylene-d12	97400	15.421

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	810	AB	4.98	ug/Kg
013287-21-3	Tridecane, 6-methyl-	260	J	9.23	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	160	J	9.49	ug/Kg
000629-92-5	Nonadecane	220	J	9.54	ug/Kg
000629-62-9	Pentadecane	240	J	9.76	ug/Kg
000544-76-3	Hexadecane	290	J	10.3	ug/Kg
000119-61-9	Benzophenone	270	J	10.5	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.2-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.8
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
BF141529.D	2	01/31/25 10:20	02/08/25 00:47	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-50-5	Tridecane	430	J		10.7	ug/Kg
007045-71-8	Undecane, 2-methyl-	240	J		11.2	ug/Kg
000132-65-0	Dibenzothiophene	180	J		11.2	ug/Kg
007225-66-3	Tridecane, 7-hexyl-	150	J		11.6	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	170	J		11.8	ug/Kg
018791-75-8	4-Bromothiophene-2-aldehyde	310	J		11.9	ug/Kg
000629-59-4	Tetradecane	160	J		12.0	ug/Kg
010030-73-6	(E)-Hexadec-9-enoic acid	480	J		12.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141529.D
 Acq On : 08 Feb 2025 00:47
 Operator : RC/JU
 Sample : Q1235-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.2-012925

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 08 01:27:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	74004	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	282155	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	139032	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	214327	20.000	ng	0.00
76) Chrysene-d12	13.963	240	125100	20.000	ng	0.00
86) Perylene-d12	15.421	264	97428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	46462	9.843	ng	0.00
7) Phenol-d6	6.428	99	238371	39.953	ng	-0.01
23) Nitrobenzene-d5	7.351	82	163063	30.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	3490	2.499	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	310077	34.360	ng	0.00
79) Terphenyl-d14	12.904	244	282540	38.128	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.098	128	45734	3.114	ng	98
71) Phenanthrene	11.339	178	130102	11.028	ng	99
72) Anthracene	11.392	178	35837	3.022	ng	98
75) Fluoranthene	12.533	202	131404	10.506	ng	100
78) Pyrene	12.763	202	124888	11.727	ng	98
80) Butylbenzylphthalate	13.380	149	9021	2.446	ng	90
81) Benzo(a)anthracene	13.951	228	50640	6.090	ng	# 91
83) Chrysene	13.986	228	42089	5.481	ng	# 91
84) Bis(2-ethylhexyl)phtha...	13.945	149	10071	2.421	ng	# 88
87) Indeno(1,2,3-cd)pyrene	16.868	276	14925	2.479	ng	94
88) Benzo(b)fluoranthene	14.998	252	40221m	6.148	ng	
89) Benzo(k)fluoranthene	15.015	252	14880m	2.664	ng	
90) Benzo(a)pyrene	15.357	252	30235	5.712	ng	# 76
92) Benzo(g,h,i)perylene	17.309	276	17394	3.408	ng	# 84

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

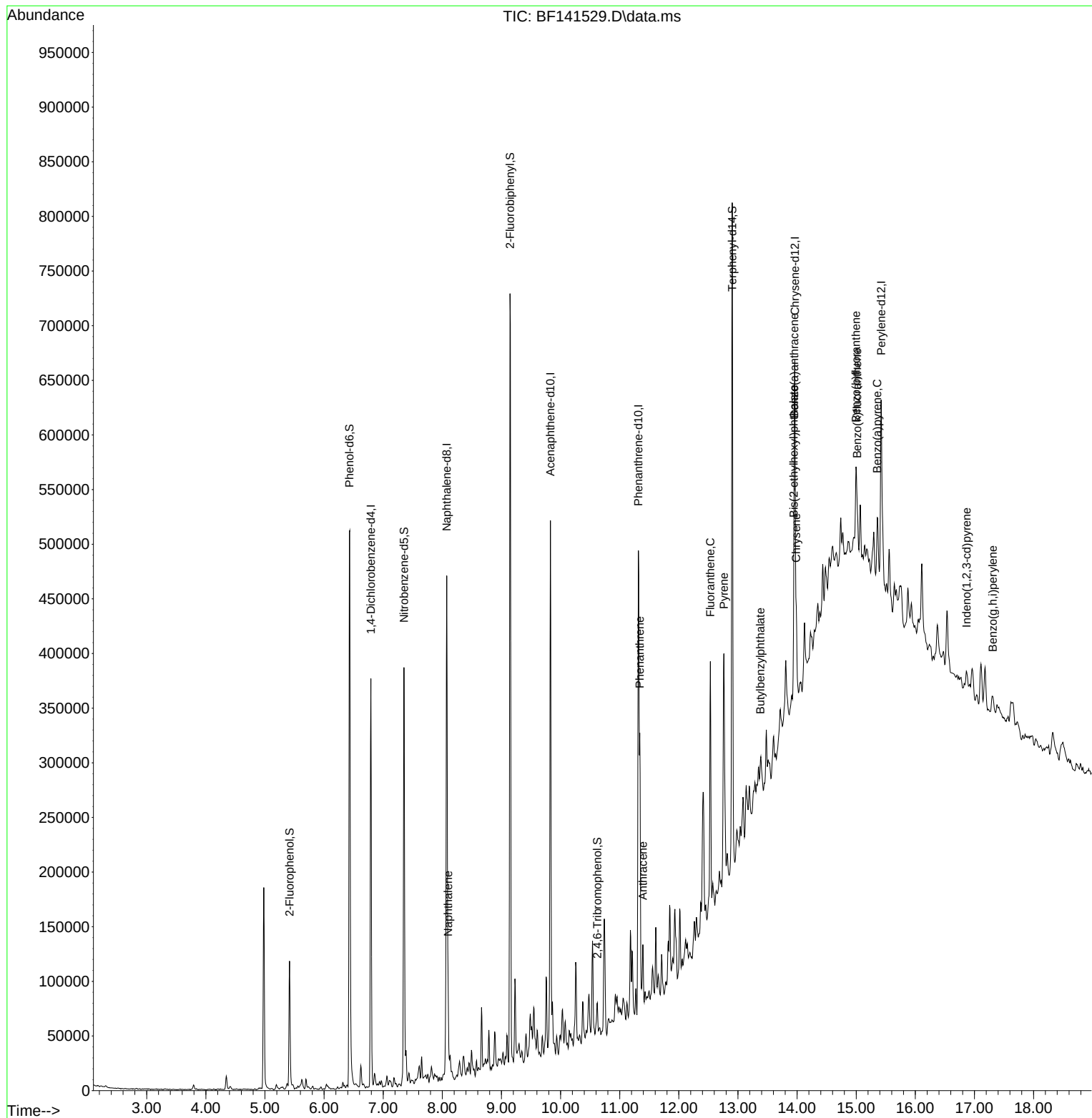
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Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

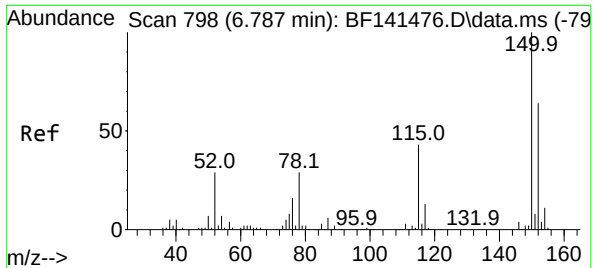
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

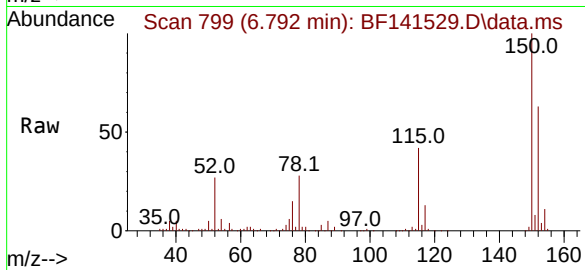
Quant Time: Feb 08 01:27:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

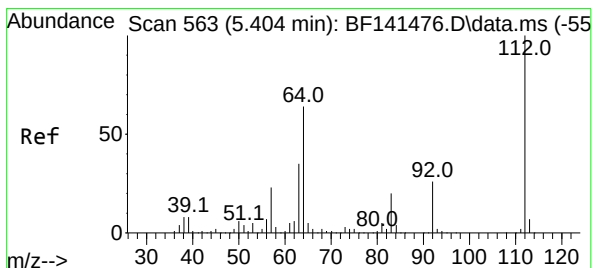
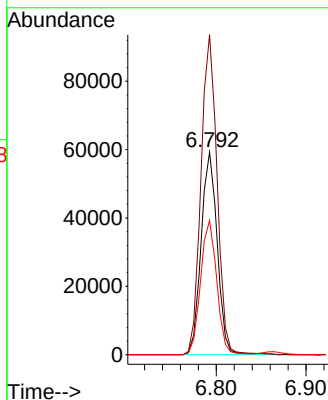
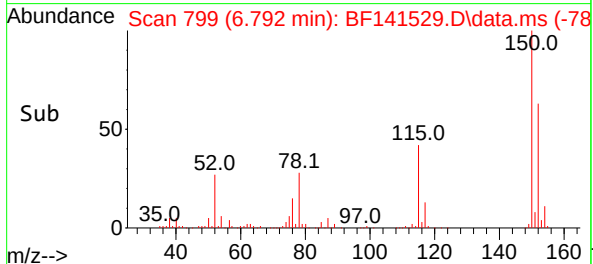
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925



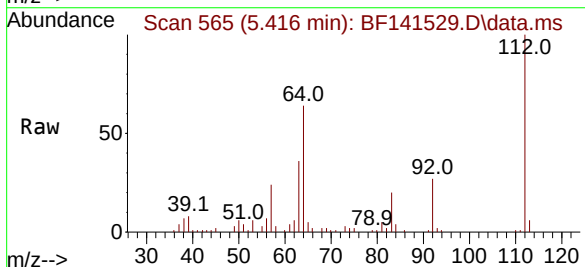
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Ion Ratio Lower Upper
152 100
150 157.8 125.0 187.4
115 66.1 53.6 80.4

Manual Integrations
APPROVED

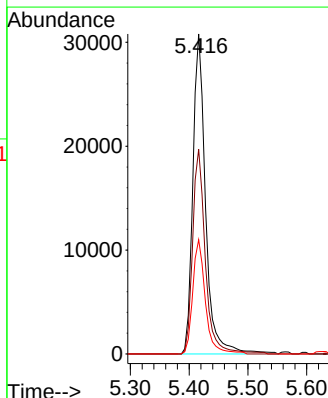
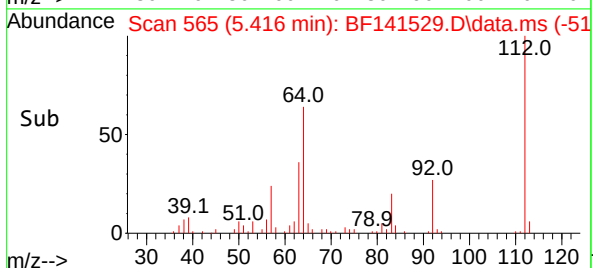
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

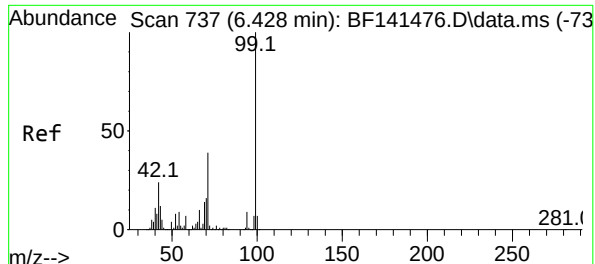


#5
2-Fluorophenol
Concen: 9.843 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47



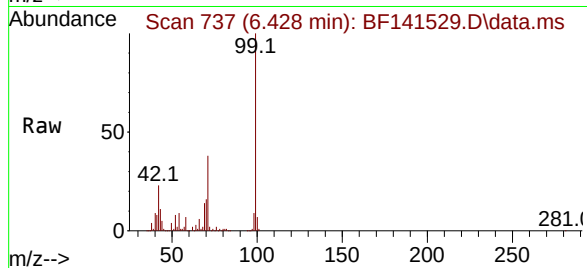
Tgt Ion:112 Resp: 46462
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 35.7 28.4 42.6





#7
Phenol-d6
Concen: 39.953 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

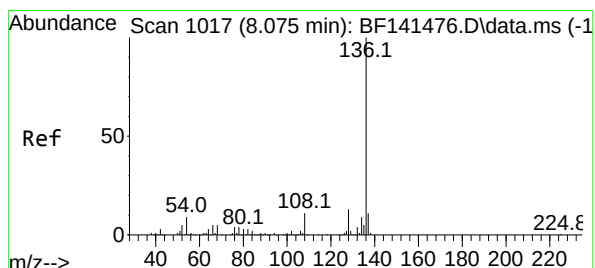
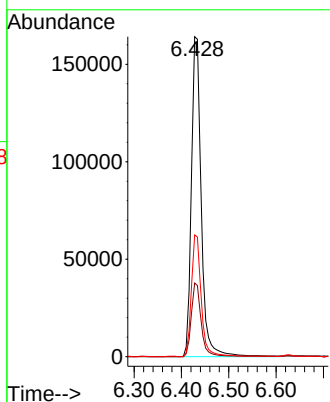
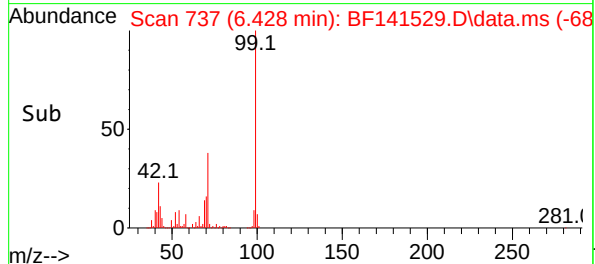
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925



Tgt Ion: 99 Resp: 23837
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7

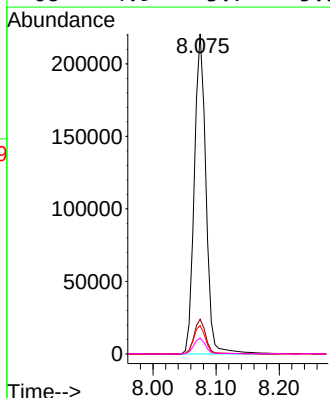
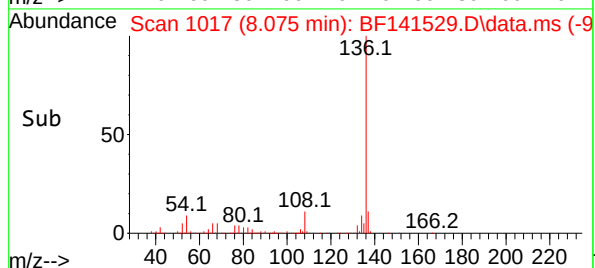
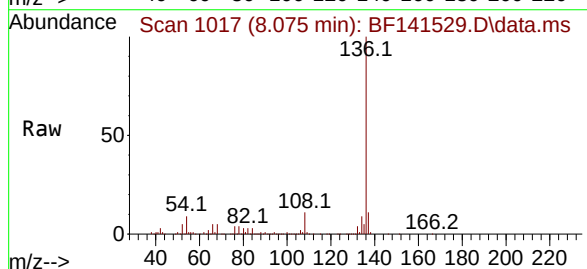
Manual Integrations
APPROVED

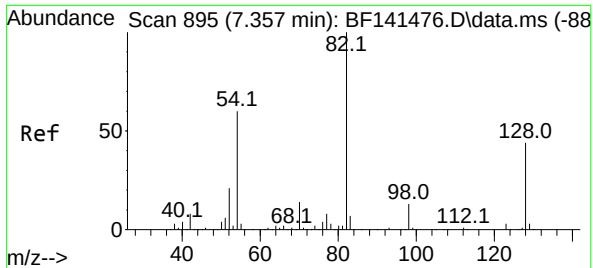
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141529.D
Acq: 08 Feb 2025 00:47

Tgt Ion:136 Resp: 282155
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 30.143 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion: 82 Resp: 16306

Ion Ratio Lower Upper

82 100

128 42.4 34.8 52.2

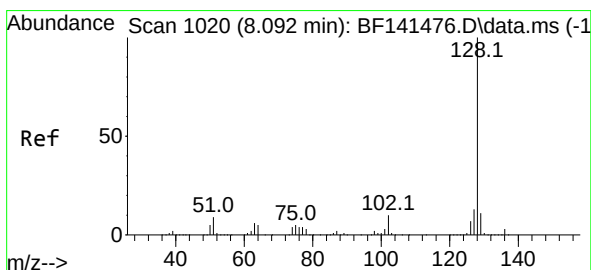
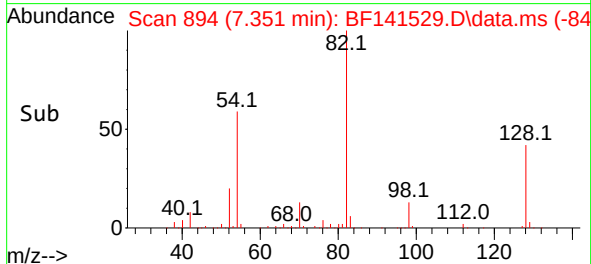
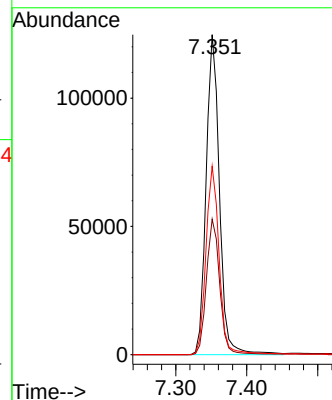
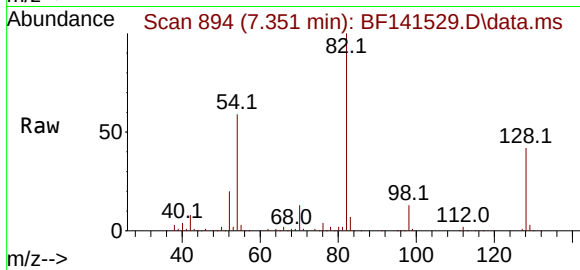
54 58.9 48.2 72.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#31

Naphthalene

Concen: 3.114 ng

RT: 8.098 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

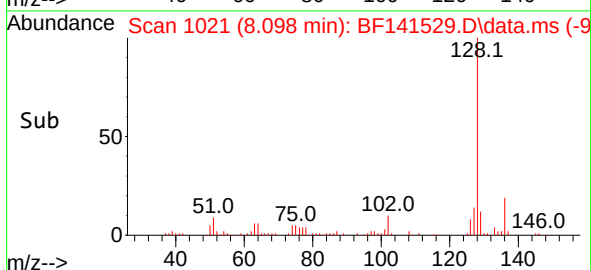
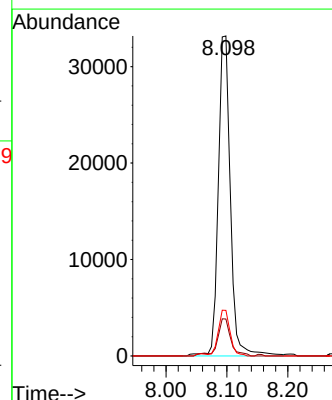
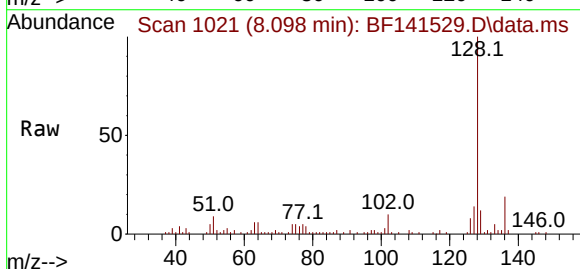
Tgt Ion:128 Resp: 45734

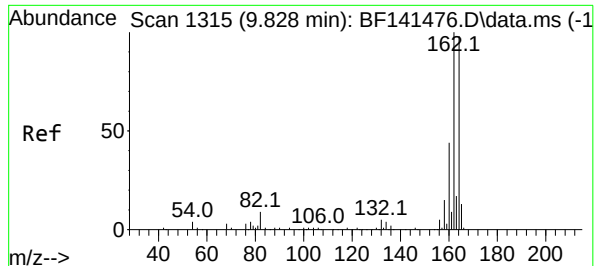
Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

127 14.3 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141529.D

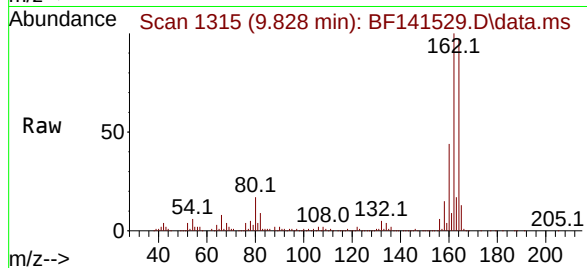
Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925



Tgt Ion:164 Resp: 13903

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

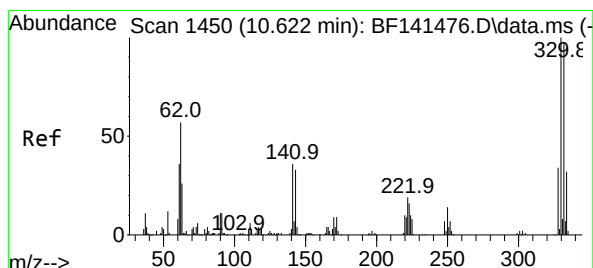
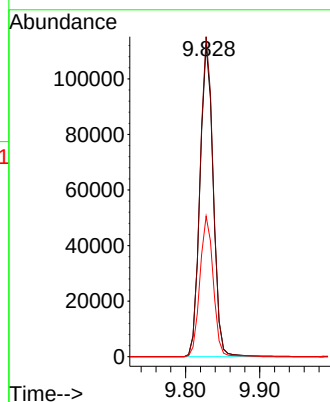
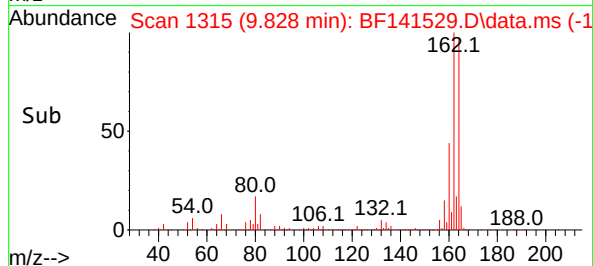
160 45.0 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#42

2,4,6-Tribromophenol

Concen: 2.499 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

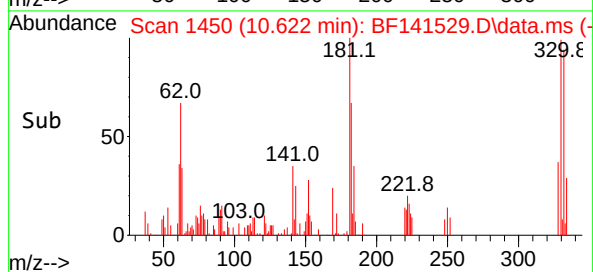
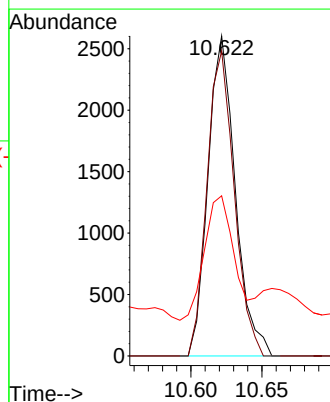
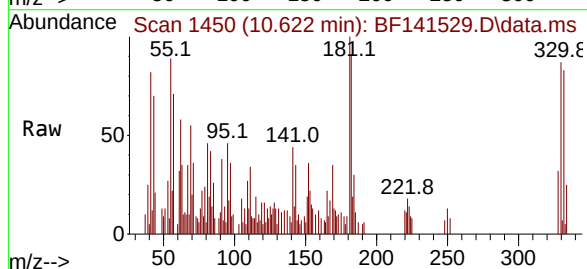
Tgt Ion:330 Resp: 3490

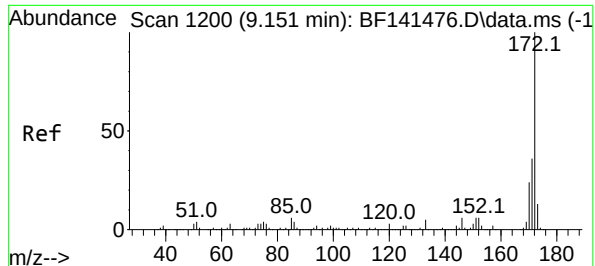
Ion Ratio Lower Upper

330 100

332 95.0 78.5 117.7

141 43.0 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 34.360 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:172 Resp: 31007

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

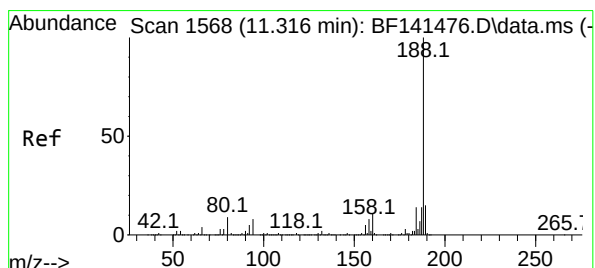
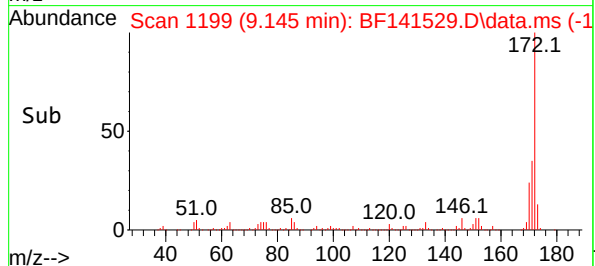
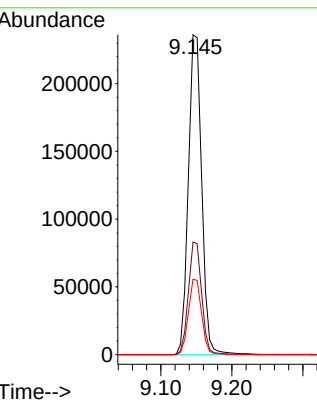
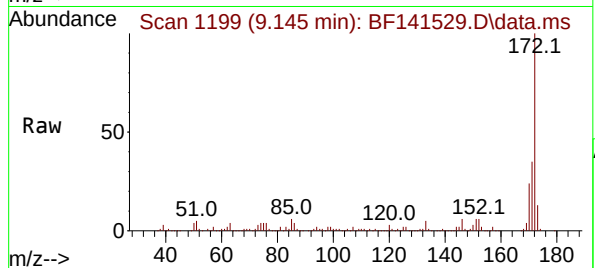
170 23.6 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

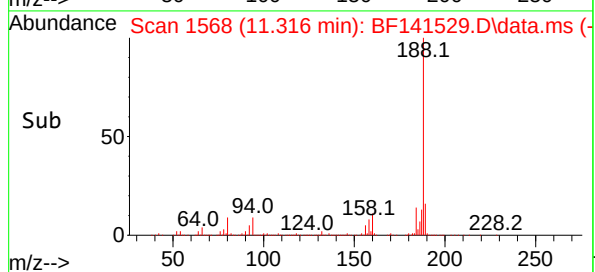
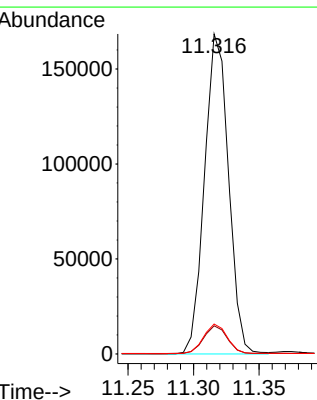
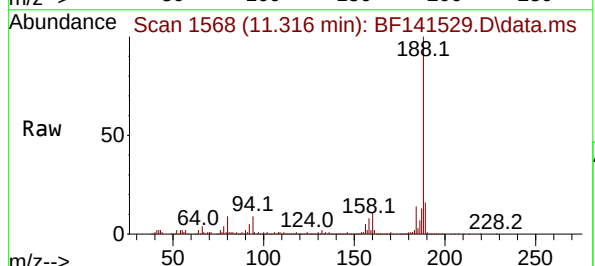
Tgt Ion:188 Resp: 214327

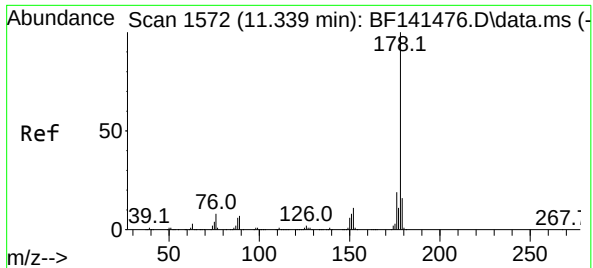
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.4 7.3 10.9





#71

Phenanthrene

Concen: 11.028 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:178 Resp: 13010

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

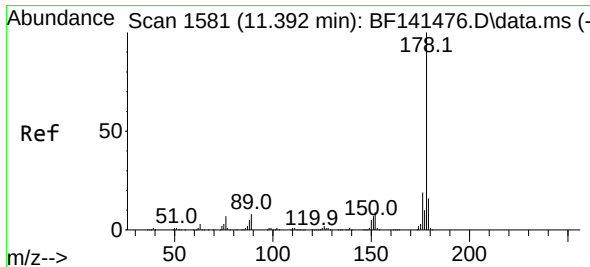
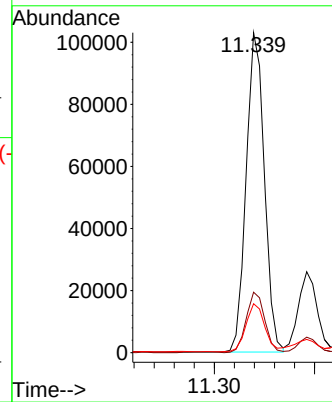
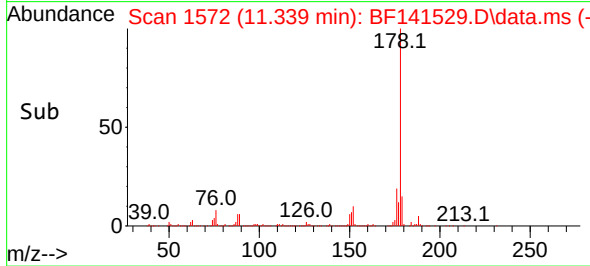
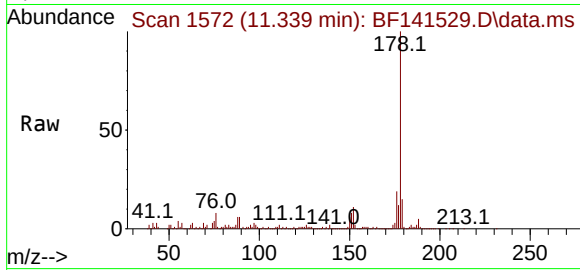
179 15.3 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#72

Anthracene

Concen: 3.022 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

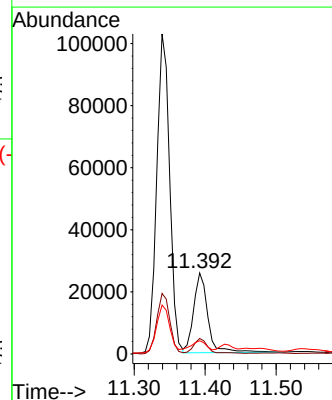
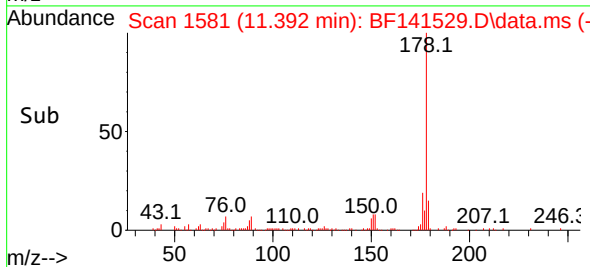
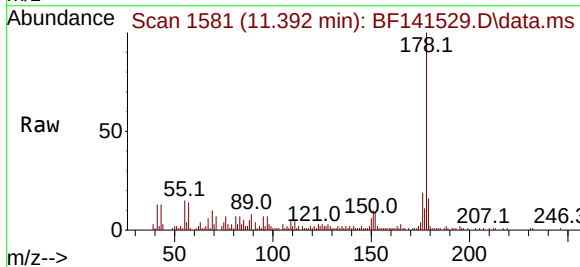
Tgt Ion:178 Resp: 35837

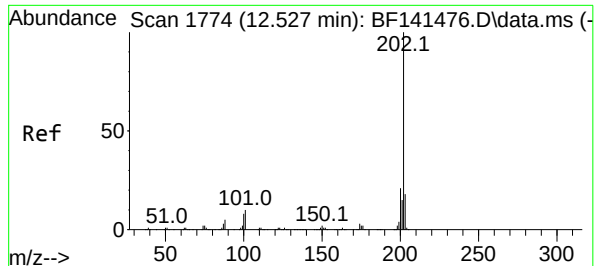
Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 16.4 12.4 18.6





#75

Fluoranthene

Concen: 10.506 ng

RT: 12.533 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:202 Resp: 131404

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.2

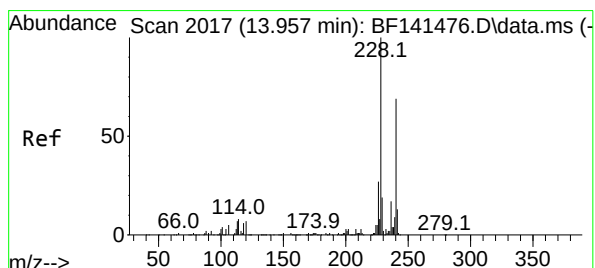
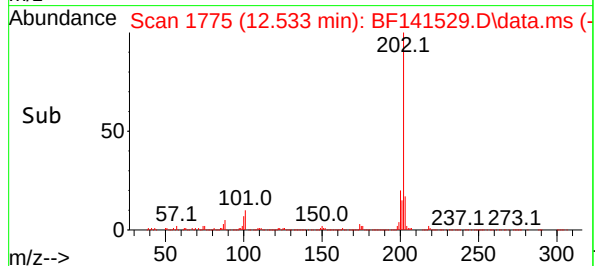
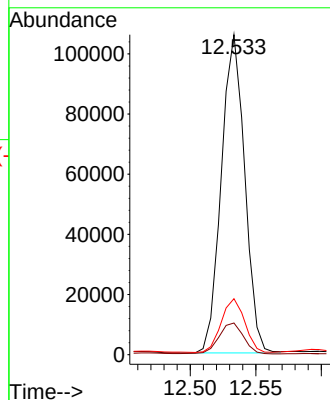
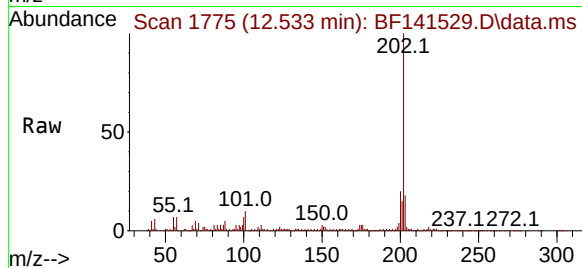
203 17.5 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

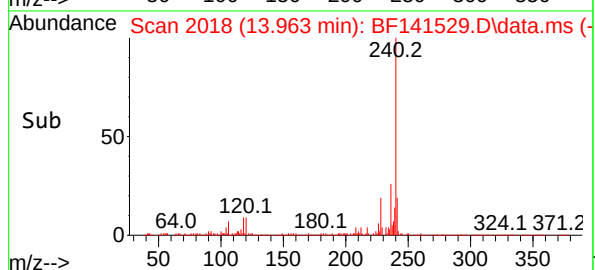
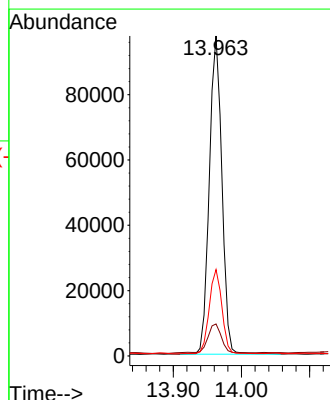
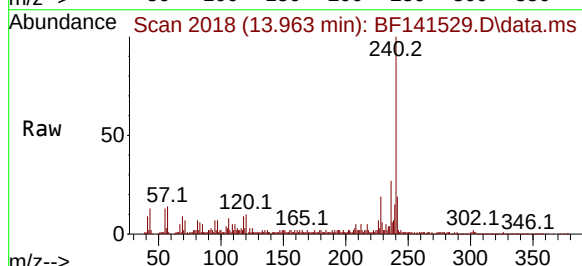
Tgt Ion:240 Resp: 125100

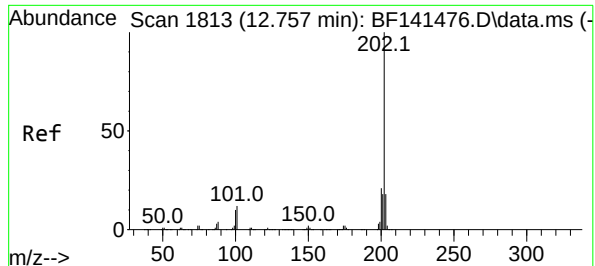
Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 27.0 19.8 29.8





#78

Pyrene

Concen: 11.727 ng

RT: 12.763 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:202 Resp: 12488

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

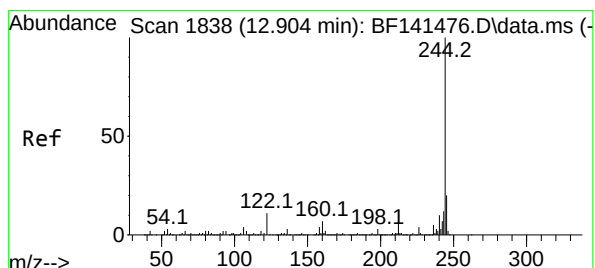
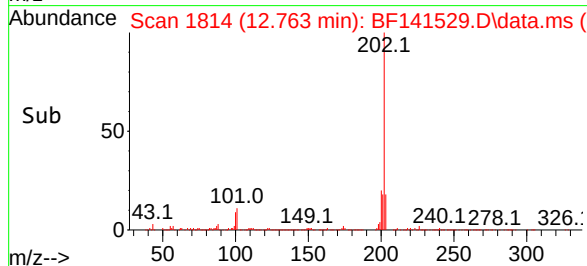
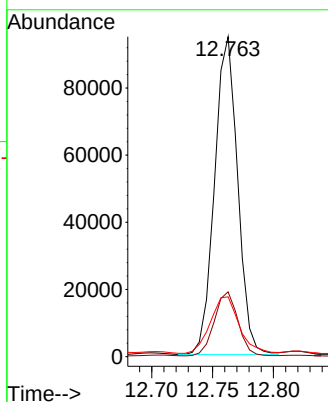
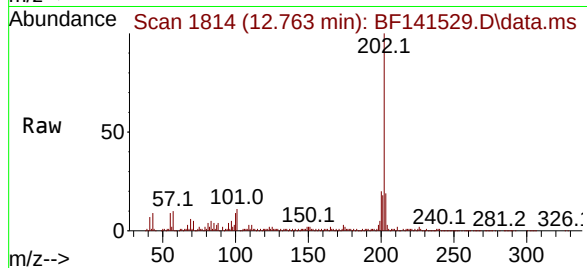
203 18.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 38.128 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

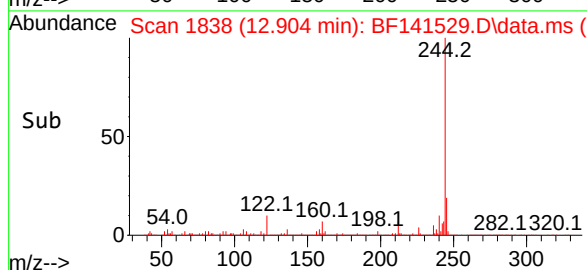
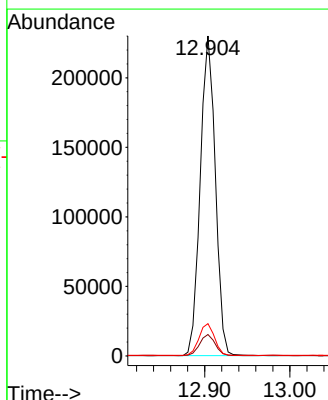
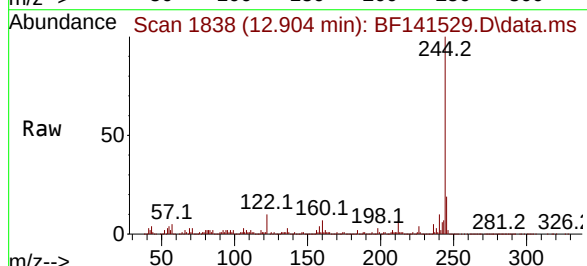
Tgt Ion:244 Resp: 282540

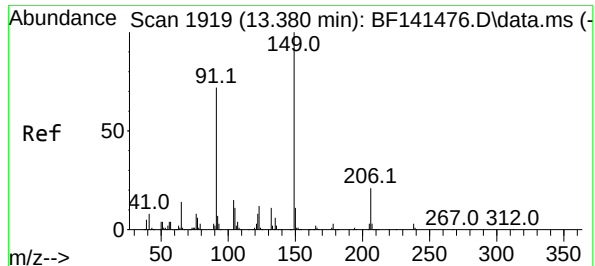
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.1 8.4 12.6





#80

Butylbenzylphthalate

Concen: 2.446 ng

RT: 13.380 min Scan# 1919

Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

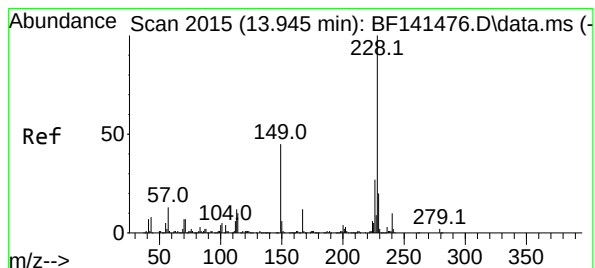
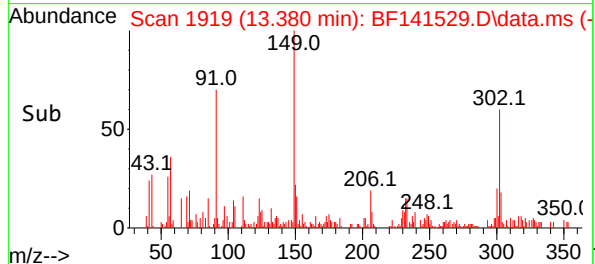
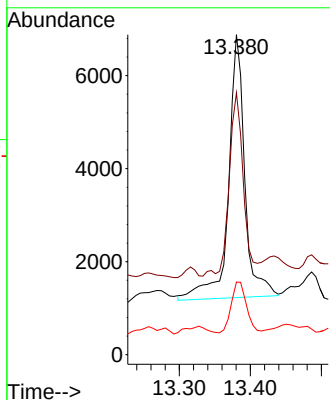
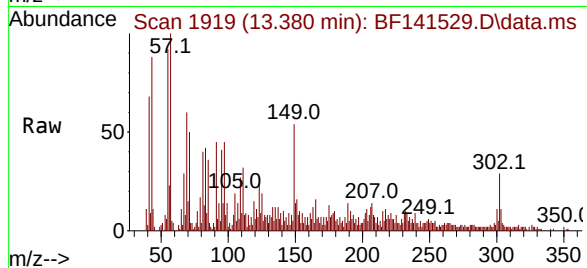
JPP-51.2-012925

Tgt Ion:	149	Resp:	902
Ion Ratio	Lower	Upper	
149	100		
91	81.9	57.8	86.8
206	22.7	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#81

Benzo(a)anthracene

Concen: 6.090 ng

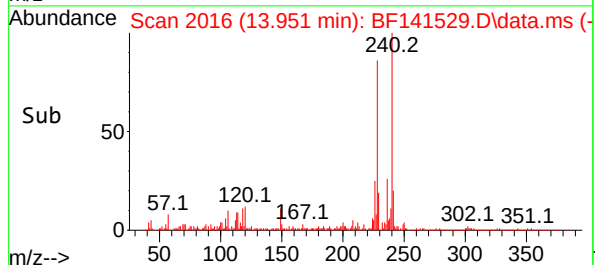
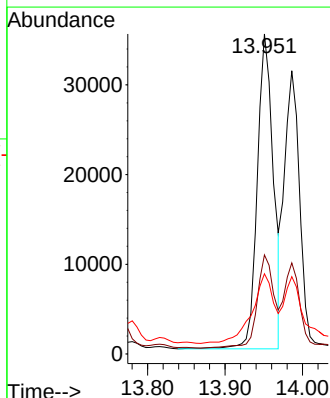
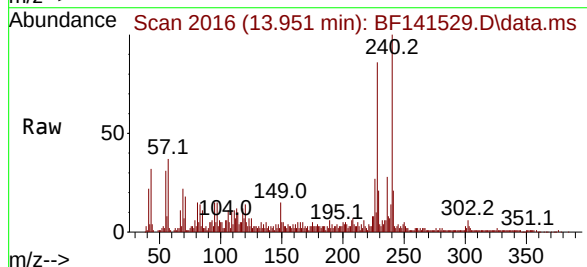
RT: 13.951 min Scan# 2016

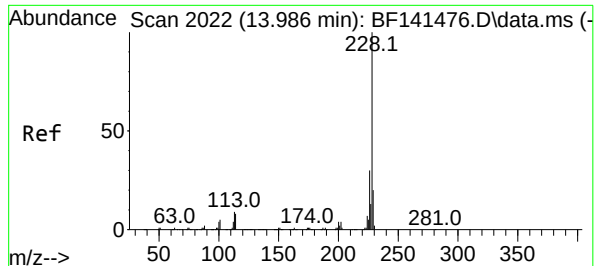
Delta R.T. 0.000 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Tgt Ion:	228	Resp:	50640
Ion Ratio	Lower	Upper	
228	100		
226	30.9	21.8	32.8
229	25.1	15.8	23.6





#83

Chrysene

Concen: 5.481 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:228 Resp: 42089

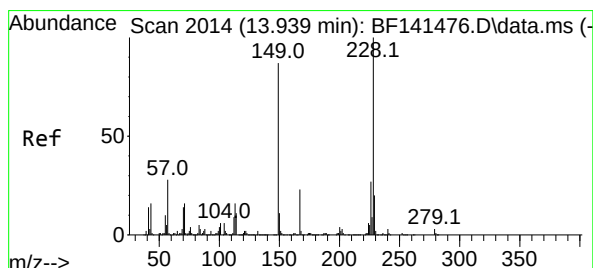
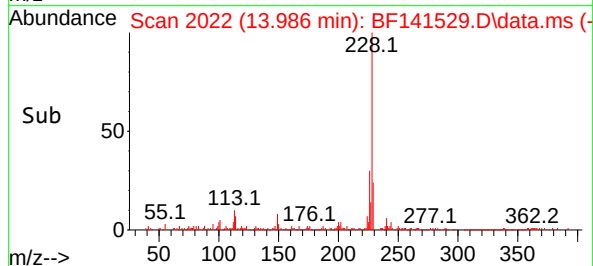
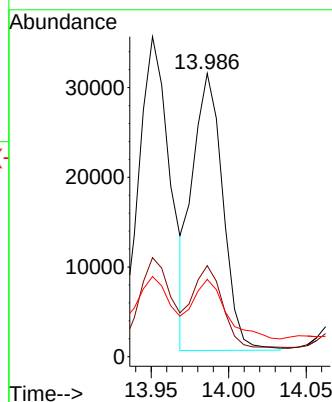
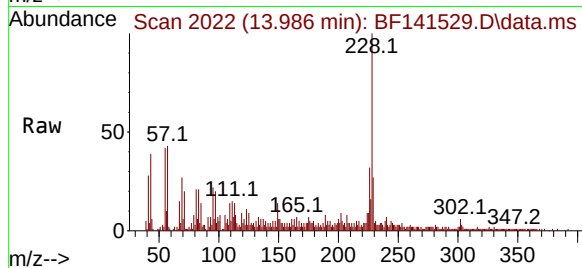
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	27.3	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.421 ng

RT: 13.945 min Scan# 2015

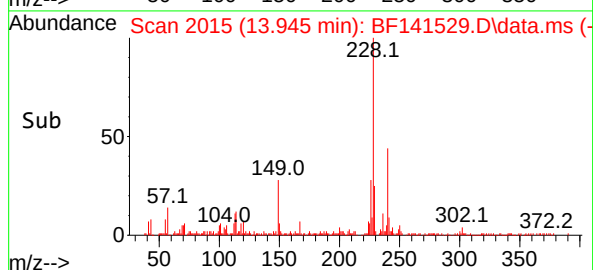
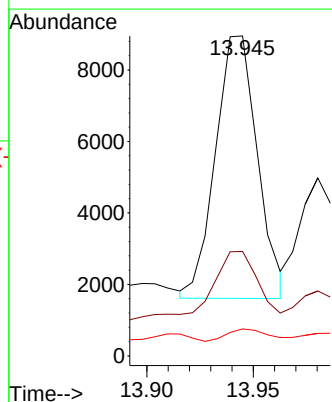
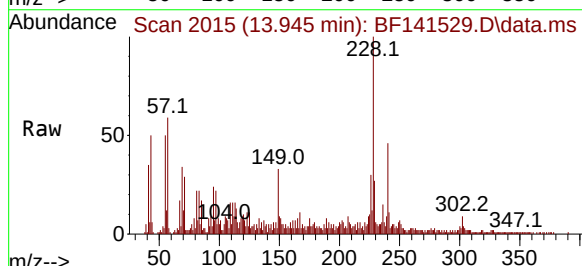
Delta R.T. 0.006 min

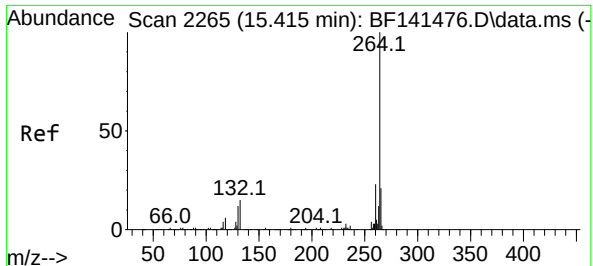
Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Tgt Ion:149 Resp: 10071

Ion	Ratio	Lower	Upper
149	100		
167	32.6	21.4	32.0#
279	8.5	3.1	4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

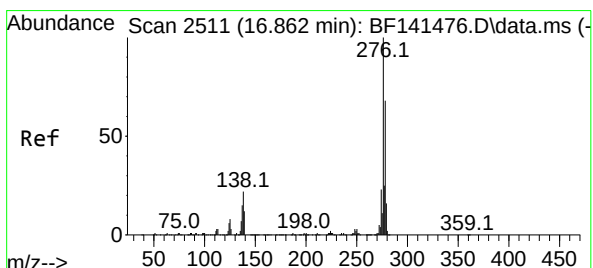
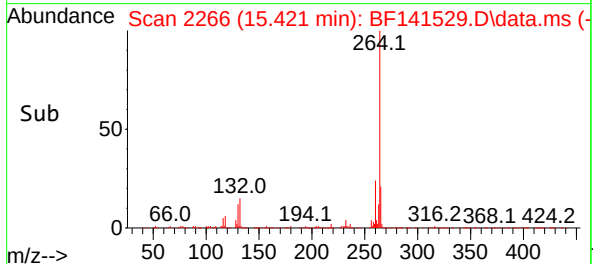
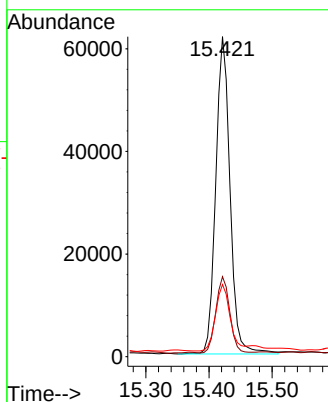
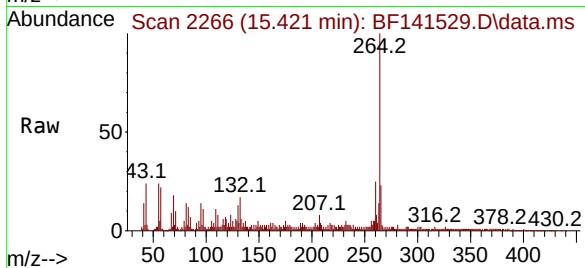
JPP-51.2-012925

Tgt Ion:	264	Resp:	97428
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.6	28.0
265	22.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.479 ng

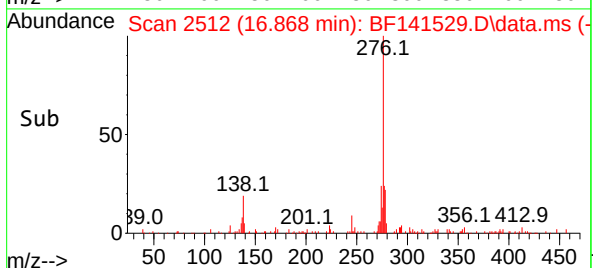
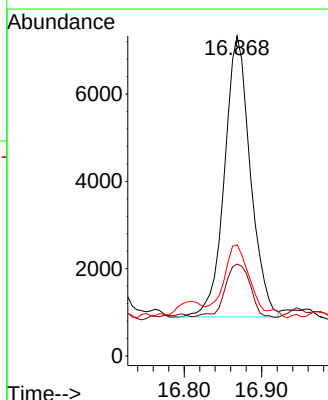
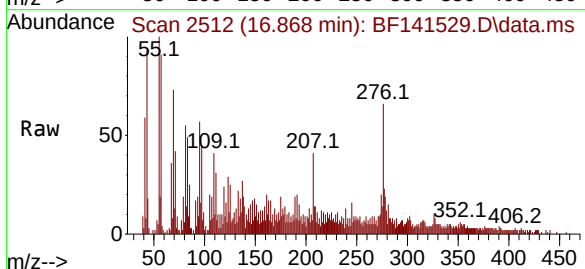
RT: 16.868 min Scan# 2512

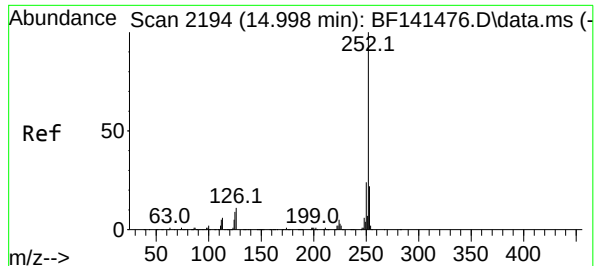
Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Tgt Ion:	276	Resp:	14925
Ion Ratio	Lower	Upper	
276	100		
138	18.3	18.0	27.0
277	27.3	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 6.148 ng m

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

JPP-51.2-012925

Tgt Ion:252 Resp: 4022

Ion Ratio Lower Upper

252 100

253 30.2 17.5 26.3

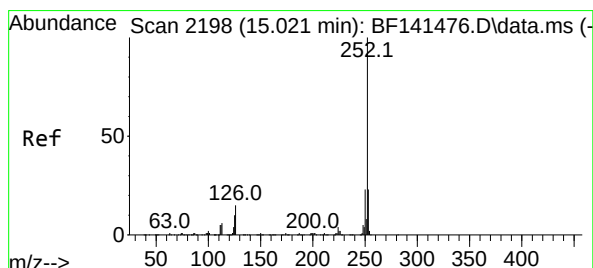
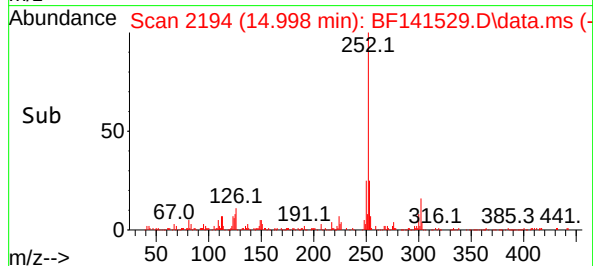
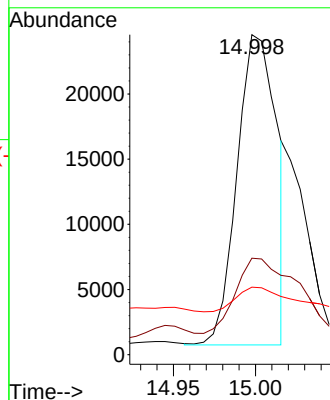
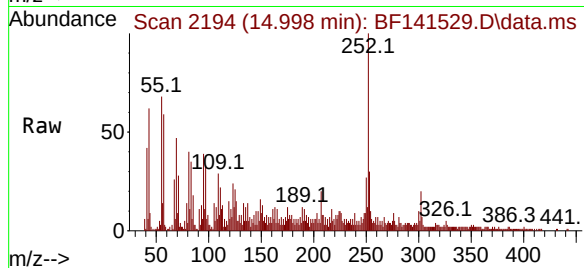
125 21.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#89

Benzo(k)fluoranthene

Concen: 2.664 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

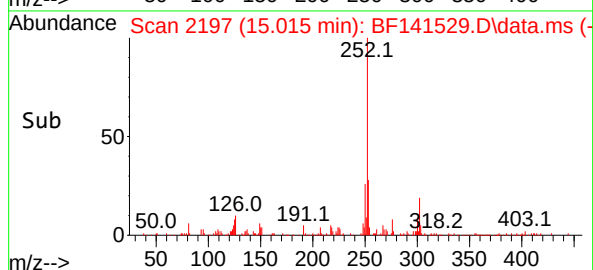
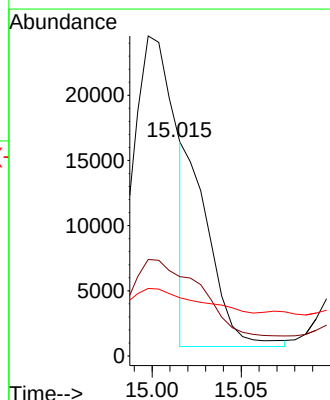
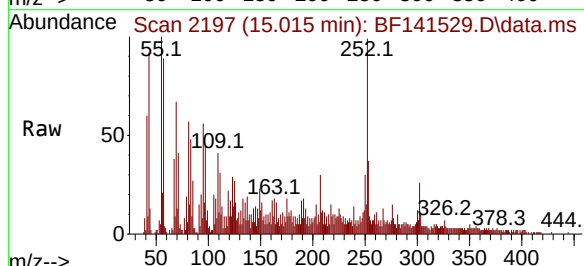
Tgt Ion:252 Resp: 14880

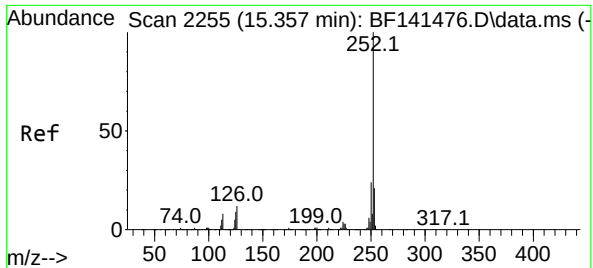
Ion Ratio Lower Upper

252 100

253 37.0 18.0 27.0#

125 27.2 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 5.712 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Instrument :

BNA_F

ClientSampleId :

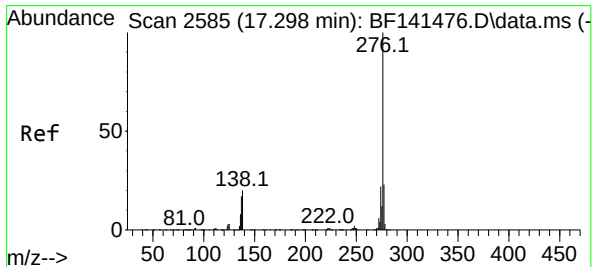
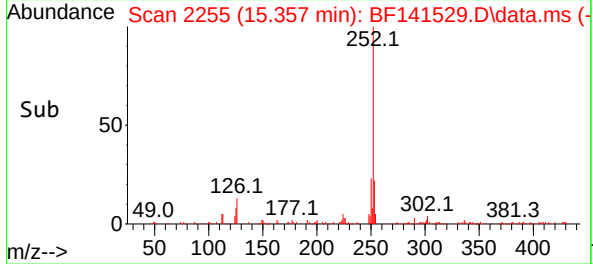
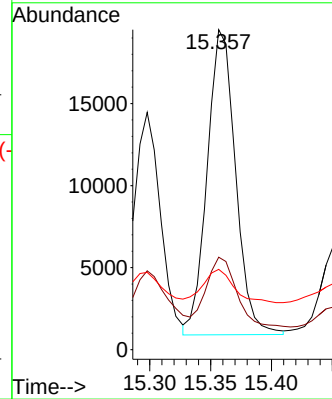
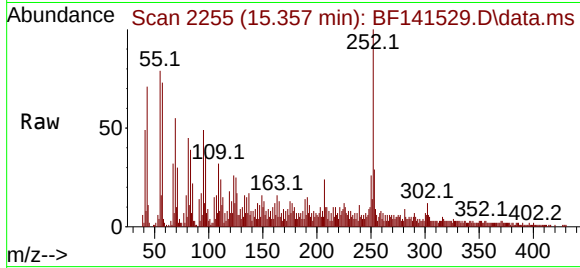
JPP-51.2-012925

Tgt Ion:	252	Resp:	3023
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.1	25.7
125	25.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 3.408 ng

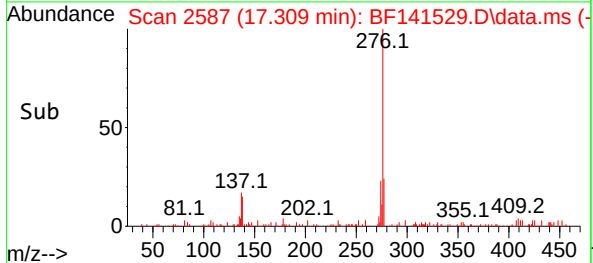
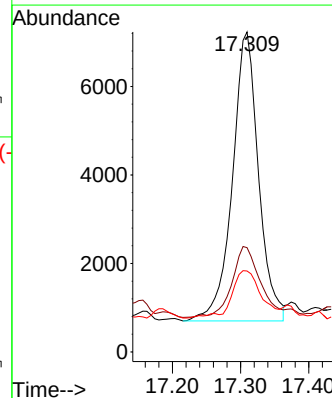
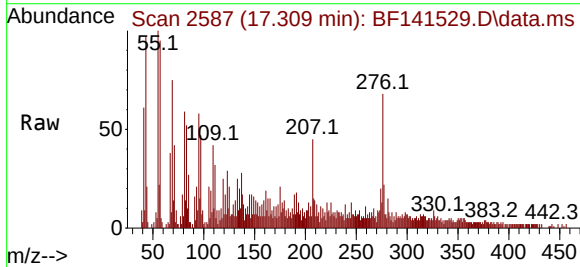
RT: 17.309 min Scan# 2587

Delta R.T. -0.006 min

Lab File: BF141529.D

Acq: 08 Feb 2025 00:47

Tgt Ion:	276	Resp:	17394
Ion Ratio	Lower	Upper	
276	100		
277	32.6	18.6	28.0
138	25.3	15.9	23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141529.D
 Acq On : 08 Feb 2025 00:47
 Operator : RC/JU
 Sample : Q1235-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.2-012925

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-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.346	378	383	389	rBV	12083	19178	2.13%	0.195%
2	4.981	485	491	509	rVB	184447	261140	29.00%	2.659%
3	5.193	519	527	535	rBV3	4770	10624	1.18%	0.108%
4	5.416	560	565	572	rVV	114740	159117	17.67%	1.620%
5	5.622	592	600	608	rVB3	8596	20461	2.27%	0.208%
6	5.693	608	612	617	rBV	8728	12528	1.39%	0.128%
7	6.434	733	738	752	rBV	509067	753867	83.72%	7.675%
8	6.622	765	770	775	rBV2	19362	29412	3.27%	0.299%
9	6.792	794	799	805	rBV	373549	467335	51.90%	4.758%
10	6.851	805	809	816	rVB4	10949	18976	2.11%	0.193%
11	7.063	840	845	849	rBV5	9264	14712	1.63%	0.150%
12	7.110	849	853	860	rVB3	6008	14247	1.58%	0.145%
13	7.181	860	865	870	rBV5	8366	14694	1.63%	0.150%
14	7.351	885	894	898	rBV	382957	502606	55.82%	5.117%
15	7.387	898	900	904	rVV	30802	37180	4.13%	0.379%
16	7.434	904	908	912	rVB5	9217	14379	1.60%	0.146%
17	7.610	932	938	941	rBV3	11199	18563	2.06%	0.189%
18	7.651	941	945	949	rVB	19521	22357	2.48%	0.228%
19	7.757	959	963	966	rVB4	7237	10199	1.13%	0.104%
20	7.816	966	973	979	rBV4	14102	32712	3.63%	0.333%
21	8.022	1003	1008	1010	rBV5	5572	10031	1.11%	0.102%
22	8.075	1010	1017	1025	rBV2	456309	719296	79.88%	7.323%
23	8.292	1048	1054	1060	rBV5	13546	25169	2.80%	0.256%
24	8.357	1060	1065	1072	rBV5	18026	37816	4.20%	0.385%
25	8.451	1078	1081	1085	rVB3	9939	12079	1.34%	0.123%
26	8.492	1085	1088	1094	rBV	21482	32948	3.66%	0.335%
27	8.581	1099	1103	1106	rBV3	14508	20373	2.26%	0.207%
28	8.663	1113	1117	1121	rBV	57019	68839	7.64%	0.701%
29	8.786	1135	1138	1142	rVB	36308	42673	4.74%	0.434%
30	8.886	1151	1155	1162	rVB2	31573	45461	5.05%	0.463%
31	8.951	1163	1166	1169	rBV5	6781	11417	1.27%	0.116%
32	9.028	1175	1179	1183	rVB4	11178	15834	1.76%	0.161%
33	9.092	1187	1190	1195	rVB2	24576	29429	3.27%	0.300%
34	9.145	1195	1199	1209	rBV	703279	900449	100.00%	9.168%
35	9.228	1209	1213	1219	rBV2	76010	109018	12.11%	1.110%
36	9.416	1240	1245	1249	rBV2	25284	42074	4.67%	0.428%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141529.D
 Acq On : 08 Feb 2025 00:47
 Operator : RC/JU
 Sample : Q1235-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.2-012925

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-BF020625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.486	1253	1257	1260	rVV	40951	68200	7.57%	0.694%
38	9.545	1263	1267	1274	rVV5	44438	94615	10.51%	0.963%
39	9.604	1274	1277	1282	rVB2	21598	30960	3.44%	0.315%
40	9.692	1288	1292	1296	rBV2	18897	27851	3.09%	0.284%
41	9.757	1297	1303	1308	rVV	69298	99842	11.09%	1.017%
42	9.828	1310	1315	1319	rVV	481407	613887	68.18%	6.250%
43	9.863	1319	1321	1325	rVB	38617	40266	4.47%	0.410%
44	9.933	1330	1333	1338	rVB2	16774	22297	2.48%	0.227%
45	9.992	1338	1343	1345	rBV4	17482	30104	3.34%	0.306%
46	10.033	1346	1350	1354	rVB2	30839	47022	5.22%	0.479%
47	10.081	1354	1358	1362	rVB4	21473	29861	3.32%	0.304%
48	10.145	1366	1369	1372	rBV	16481	23673	2.63%	0.241%
49	10.257	1381	1388	1392	rBV	76491	120910	13.43%	1.231%
50	10.375	1404	1408	1415	rBV2	38672	68061	7.56%	0.693%
51	10.480	1421	1426	1431	rVB	34763	57246	6.36%	0.583%
52	10.539	1432	1436	1443	rVB	85487	114508	12.72%	1.166%
53	10.622	1447	1450	1453	rVB	25811	31025	3.45%	0.316%
54	10.739	1465	1470	1477	rVB	106227	185537	20.60%	1.889%
55	10.928	1499	1502	1504	rBV3	20943	26844	2.98%	0.273%
56	11.180	1541	1545	1548	rBV	73742	101618	11.29%	1.035%
57	11.210	1548	1550	1557	rVB2	57857	78064	8.67%	0.795%
58	11.275	1558	1561	1564	rVB	24192	26851	2.98%	0.273%
59	11.316	1564	1568	1571	rBV	424902	620082	68.86%	6.313%
60	11.392	1578	1581	1585	rVB	52677	62534	6.94%	0.637%
61	11.557	1606	1609	1614	rVB3	23830	34203	3.80%	0.348%
62	11.610	1615	1618	1622	rVV	56530	64344	7.15%	0.655%
63	11.710	1632	1635	1642	rVB2	36501	51375	5.71%	0.523%
64	11.822	1651	1654	1656	rBV	34574	45908	5.10%	0.467%
65	11.845	1656	1658	1663	rVB	61649	74694	8.30%	0.760%
66	11.933	1669	1673	1680	rVB	63652	131636	14.62%	1.340%
67	12.016	1684	1687	1691	rVV2	55242	70446	7.82%	0.717%
68	12.416	1749	1755	1760	rBV3	109149	205083	22.78%	2.088%
69	12.533	1771	1775	1779	rVB	216386	258178	28.67%	2.629%
70	12.763	1809	1814	1820	rBV	206443	354301	39.35%	3.607%
71	12.904	1833	1838	1846	rVB	603634	780724	86.70%	7.949%
72	13.963	2013	2018	2028	rVB2	304391	572151	63.54%	5.825%

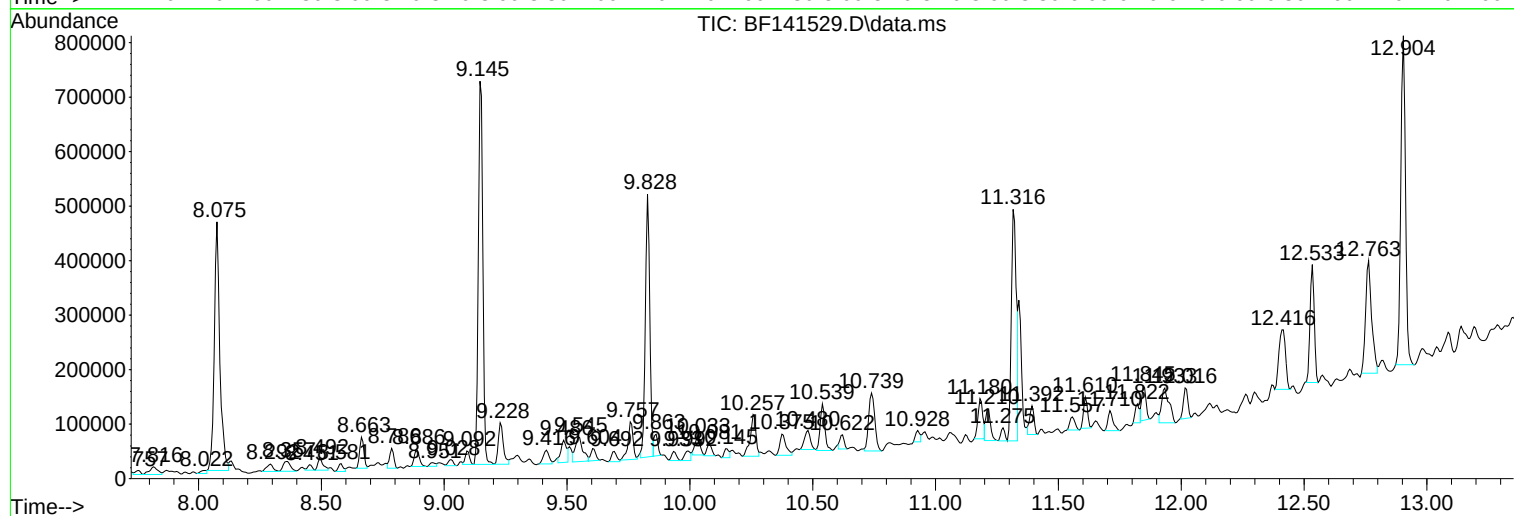
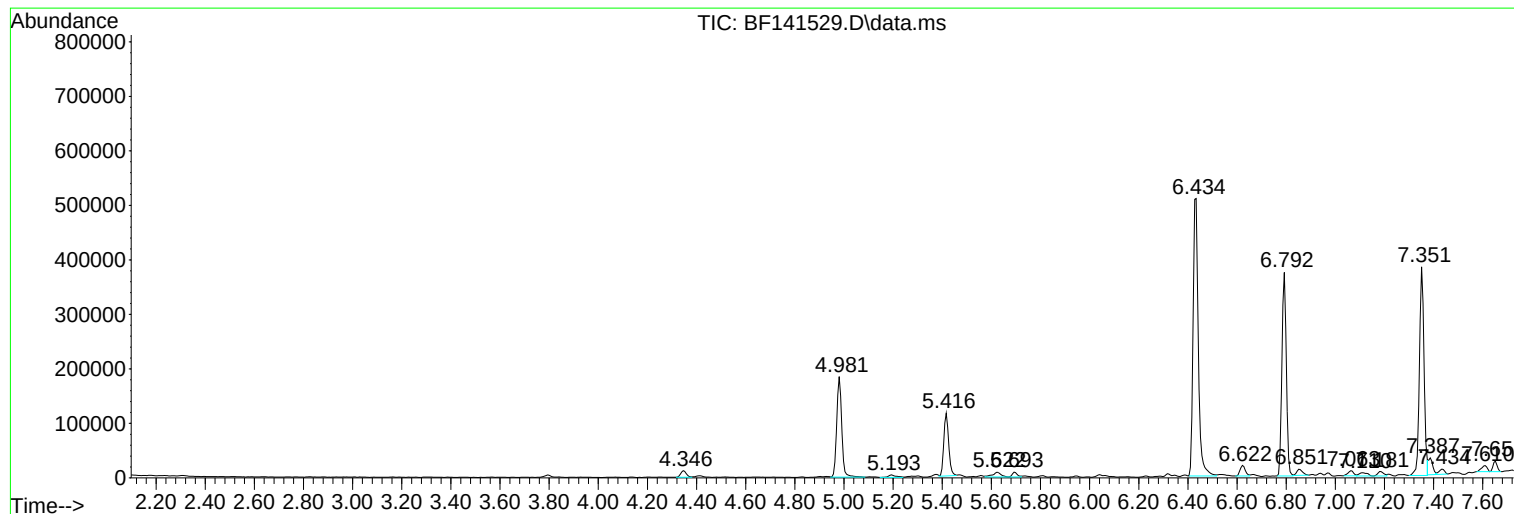
Sum of corrected areas: 9822094

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

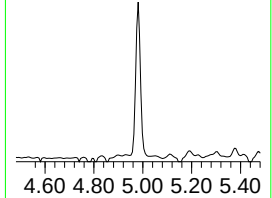
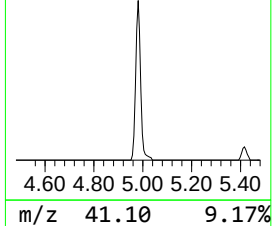
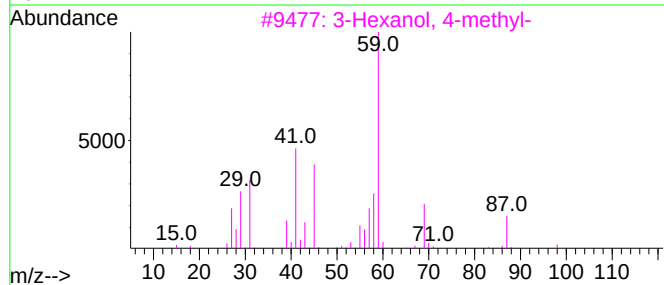
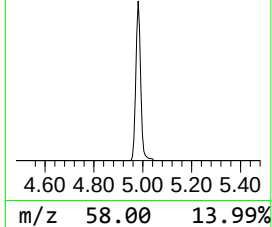
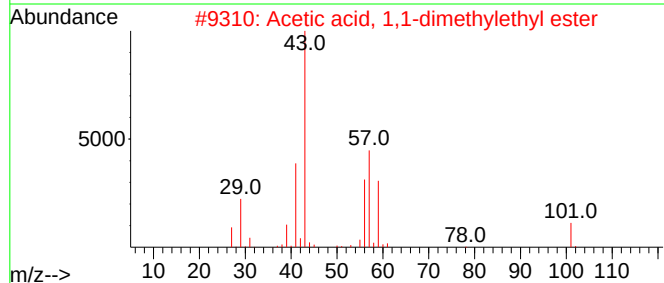
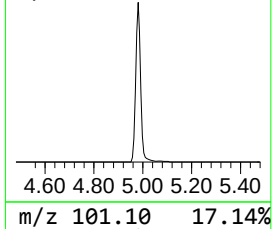
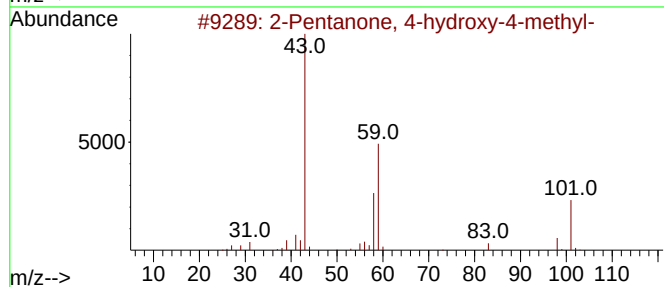
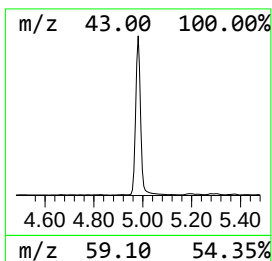
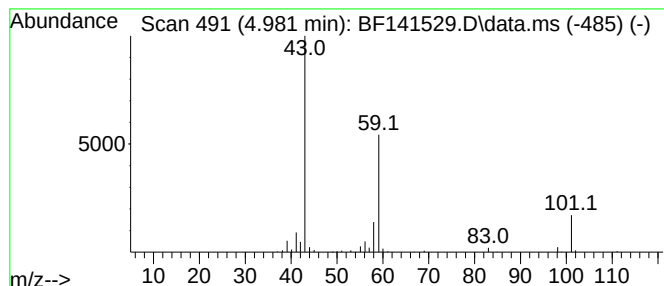
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.981	11.18 ng	261140	1,4-Dichlorobenzene-d4	6.792

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50		
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

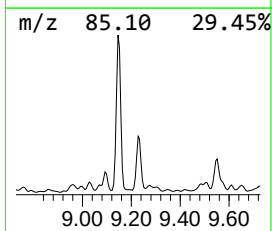
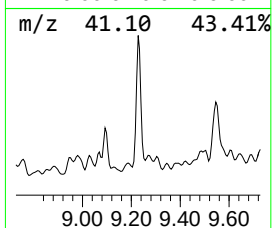
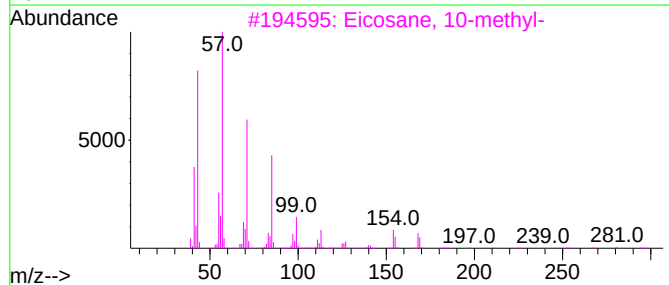
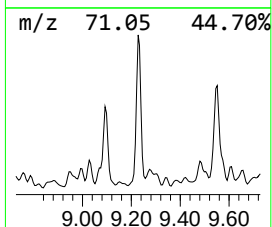
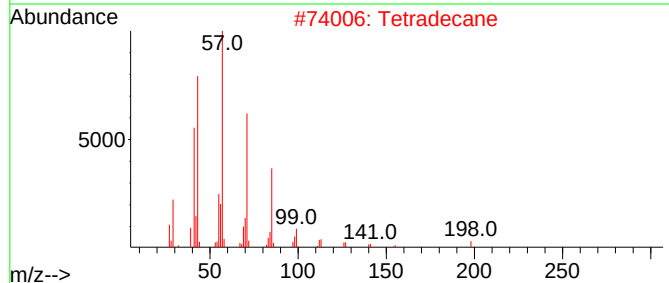
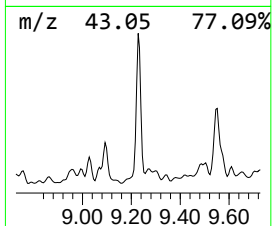
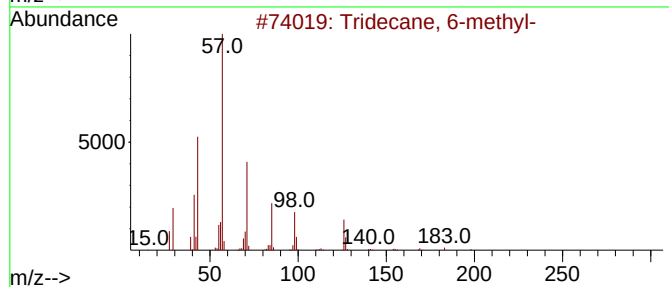
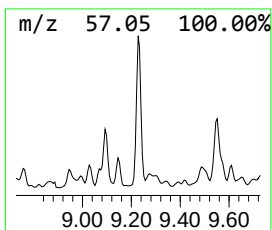
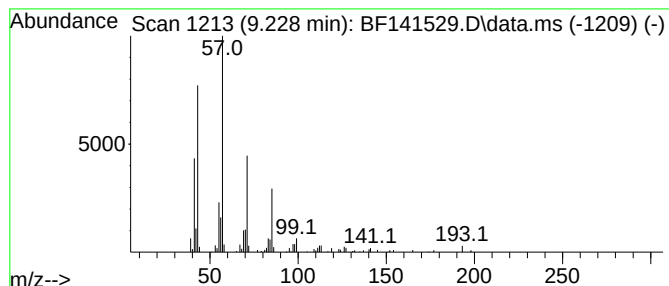
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tridecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	3.55 ng	109018	Acenaphthene-d10	9.828

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
2		Tetradecane	198	C14H30	000629-59-4	91
3		Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
4		Hexadecane	226	C16H34	000544-76-3	90
5		Heneicosane	296	C21H44	000629-94-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-51.2-012925

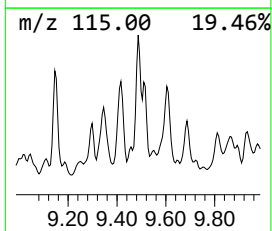
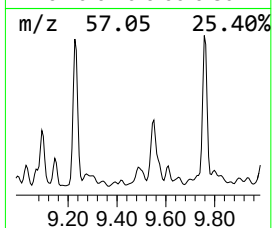
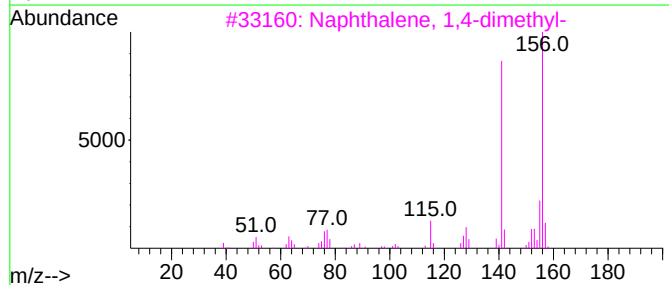
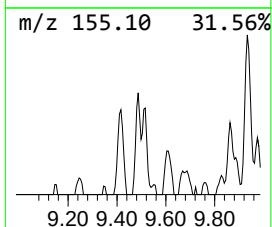
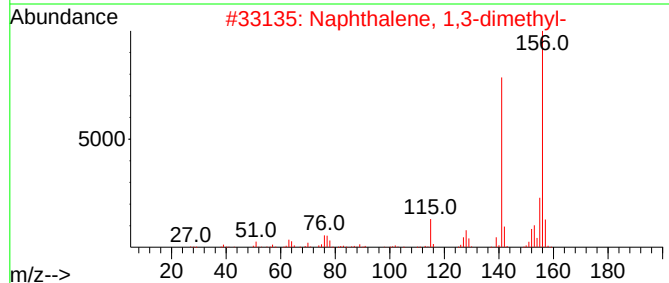
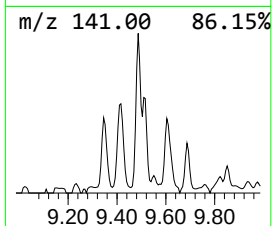
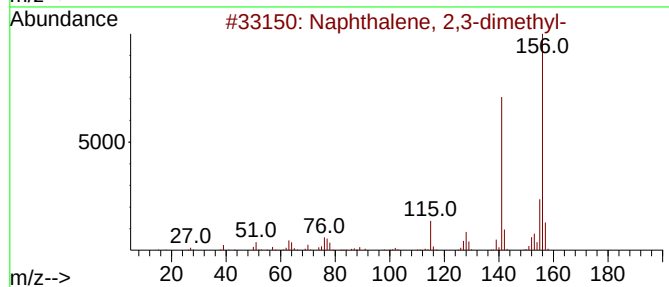
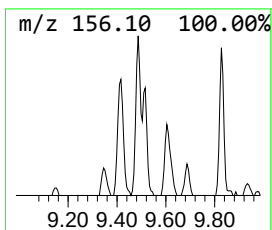
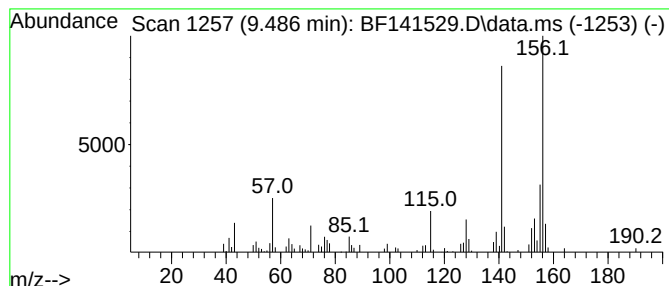
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.486	2.22 ng	68200	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

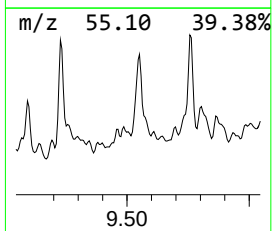
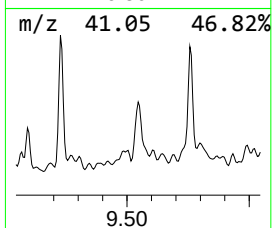
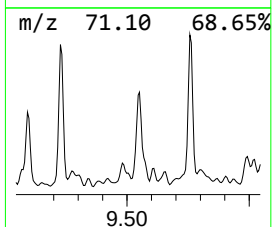
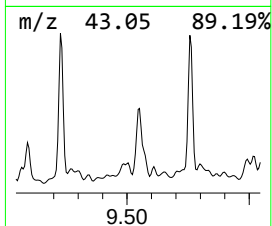
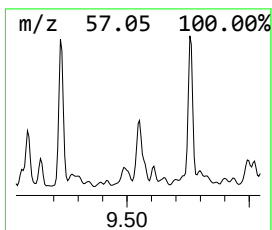
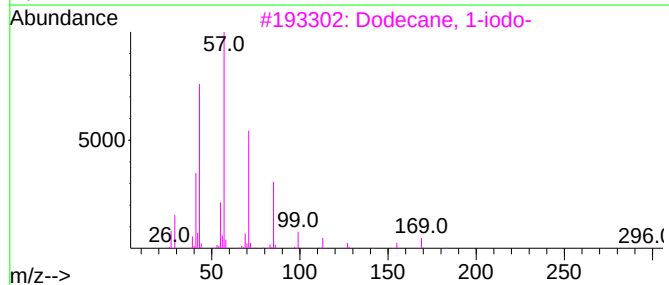
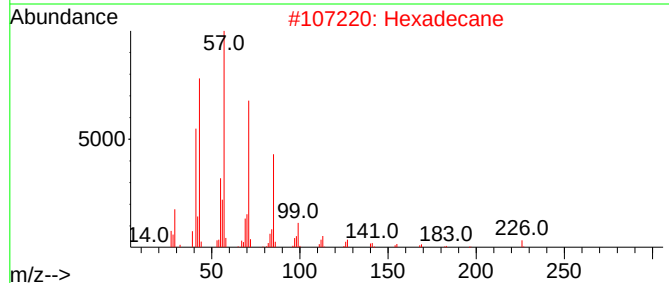
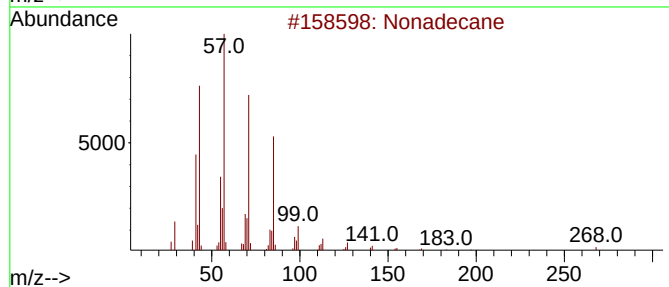
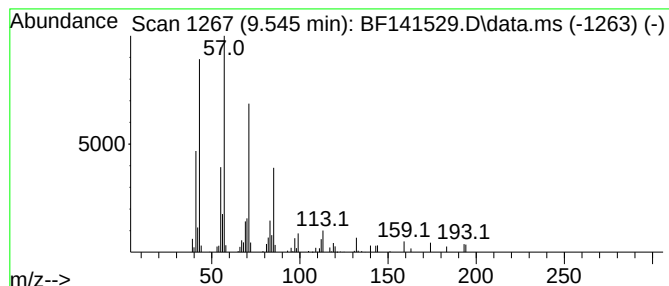
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	3.08 ng	94615	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	64
2			Hexadecane	226	C16H34	000544-76-3	64
3			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59
4			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	59
5			Tetradecane	198	C14H30	000629-59-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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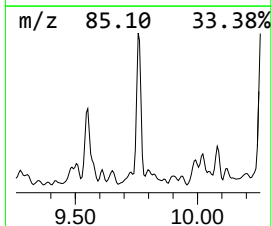
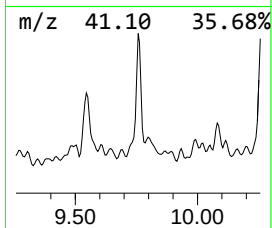
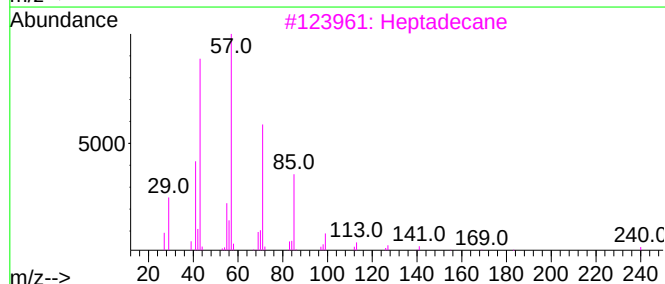
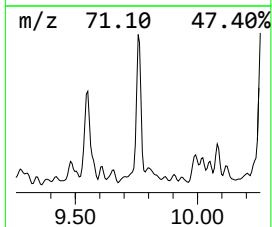
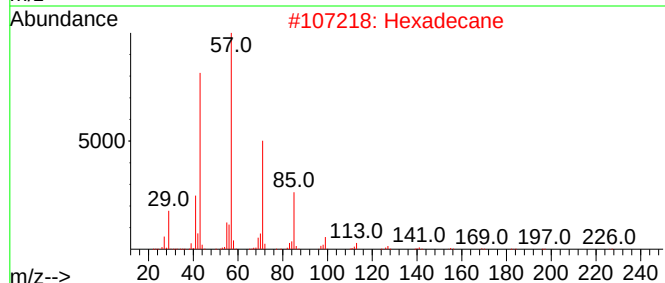
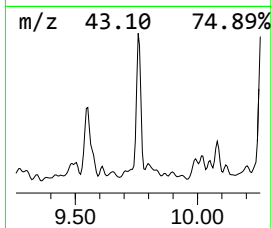
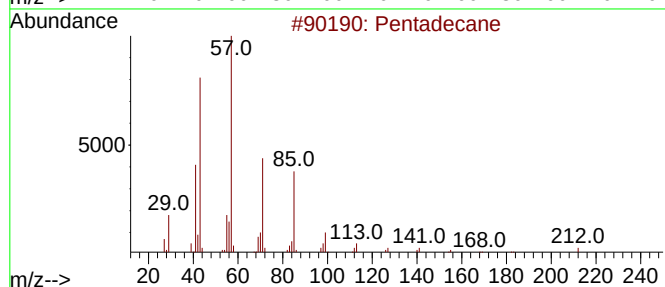
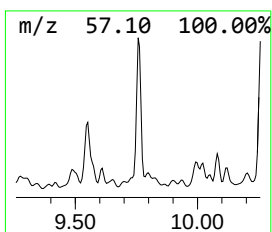
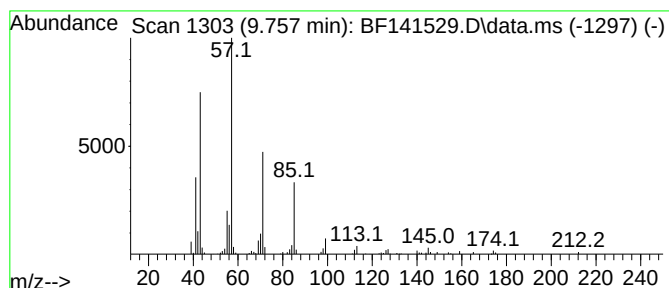
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.757	3.25 ng	99842	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	94
2			Hexadecane	226	C16H34	000544-76-3	90
3			Heptadecane	240	C17H36	000629-78-7	86
4			Nonadecane	268	C19H40	000629-92-5	86
5			Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-51.2-012925

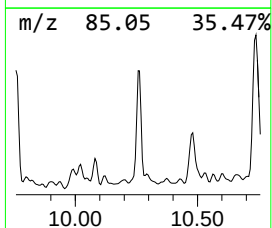
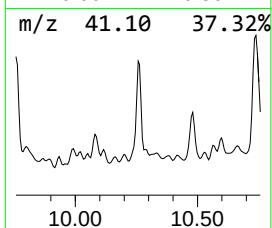
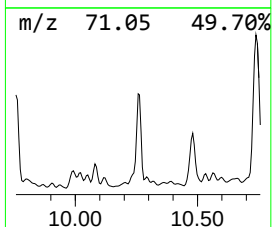
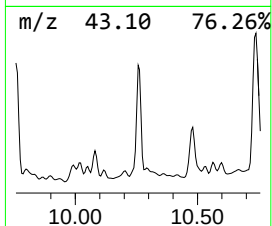
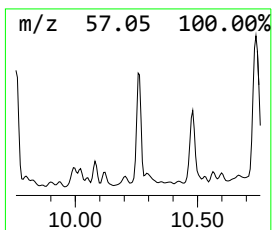
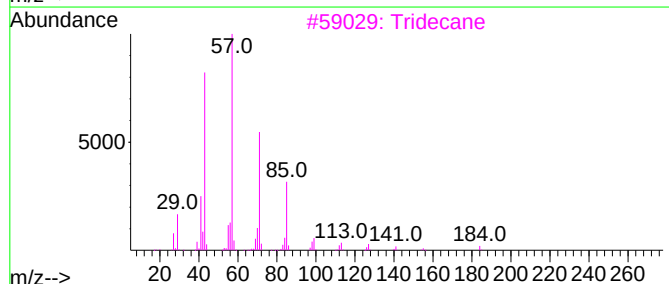
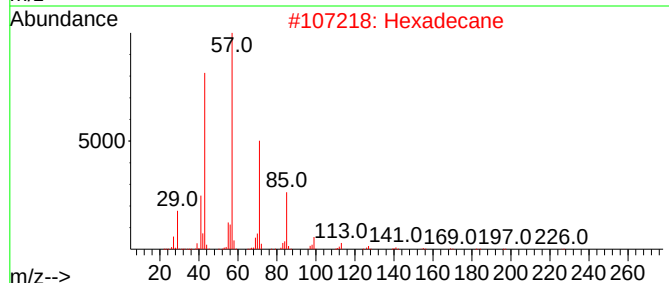
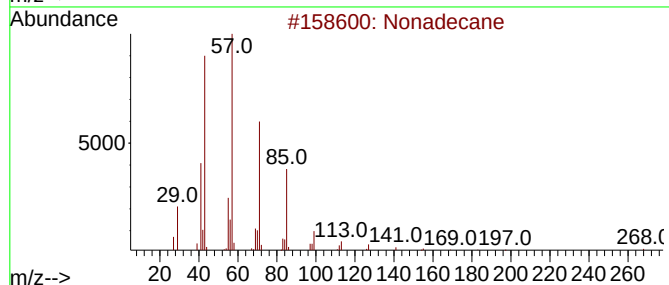
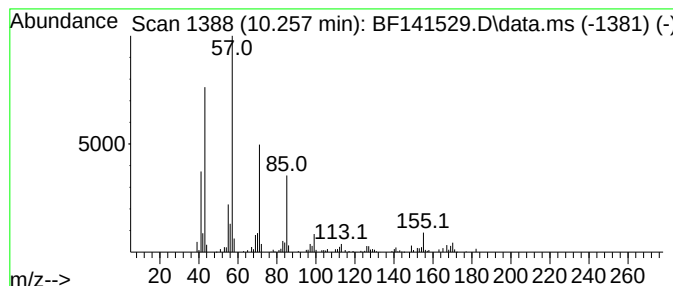
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.257	3.94 ng	120910	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	83
2			Hexadecane	226	C16H34	000544-76-3	72
3			Tridecane	184	C13H28	000629-50-5	72
4			Dodecane	170	C12H26	000112-40-3	72
5			Pentadecane	212	C15H32	000629-62-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
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Instrument :
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ClientSampleId :
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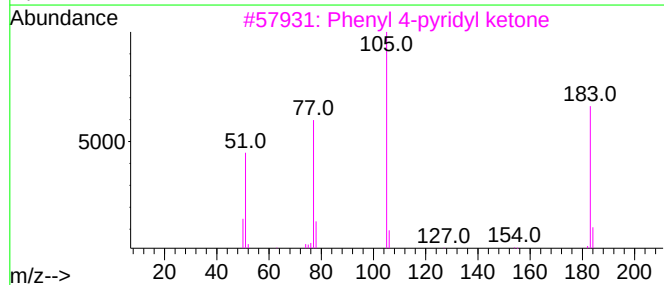
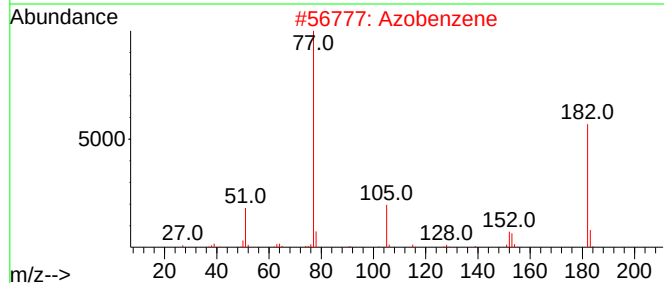
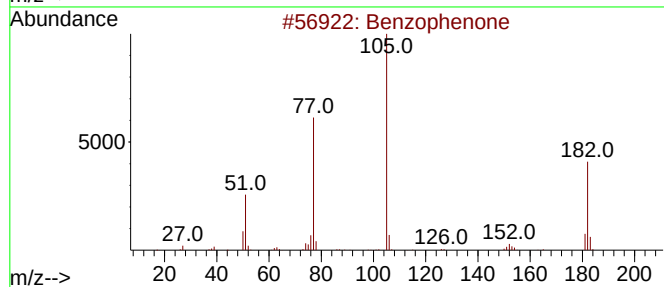
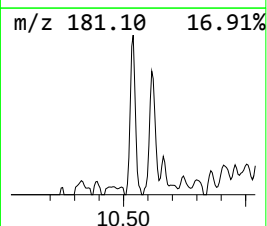
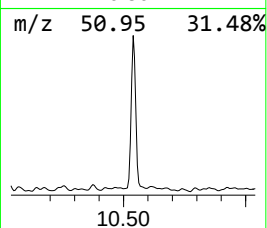
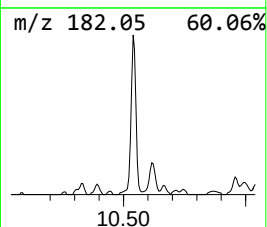
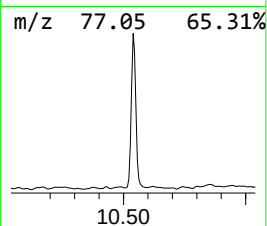
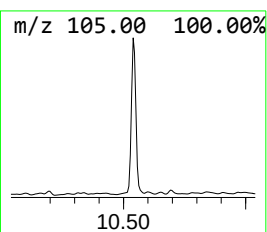
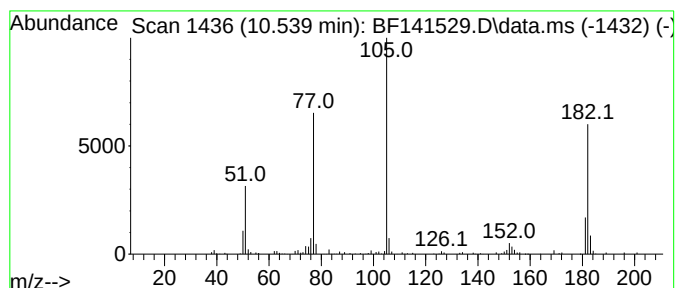
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	3.73 ng	114508	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Azobenzene	182	C12H10N2	000103-33-3	53
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
4			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
5			Benzoylformic acid	150	C8H6O3	000611-73-4	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
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ClientSampleId :
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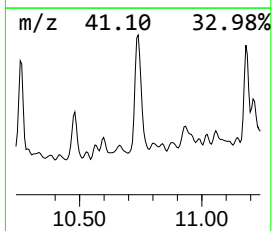
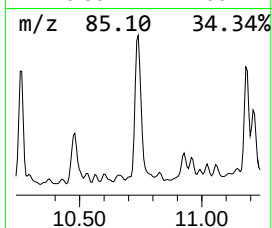
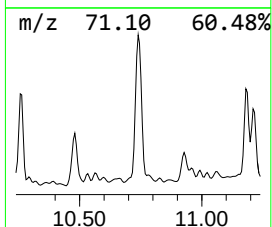
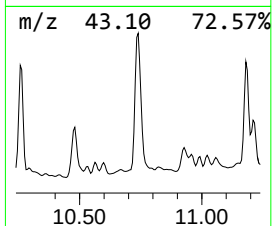
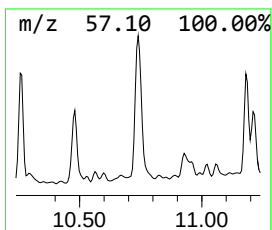
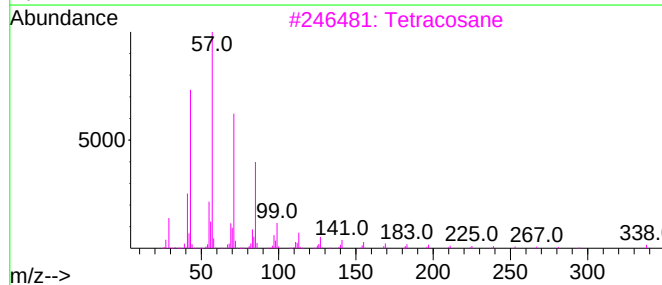
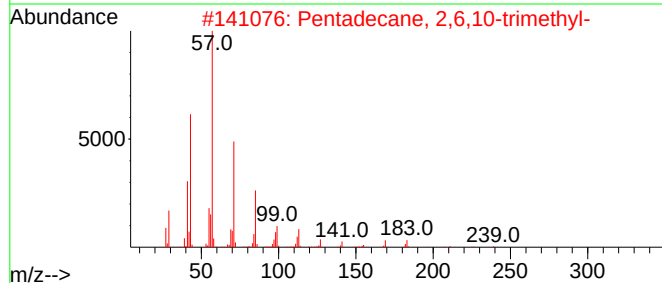
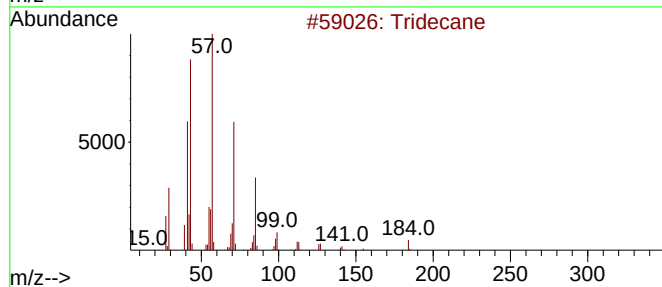
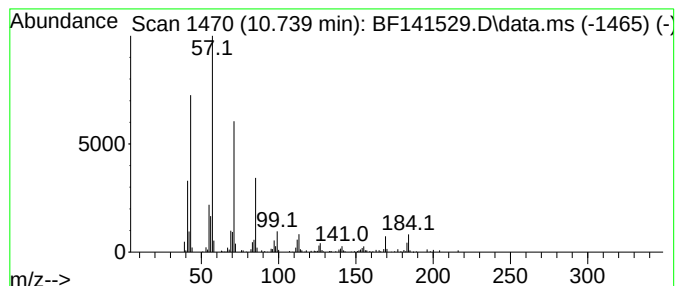
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	5.98 ng	185537	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
3			Tetracosane	338	C24H50	000646-31-1	83
4			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
5			3,5-Heptanedione, 2,2,4,6-tetram...	184	C11H20O2	1000162-24-5	83



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Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

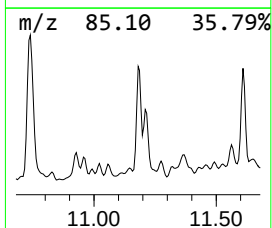
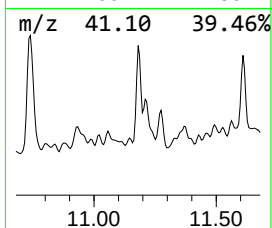
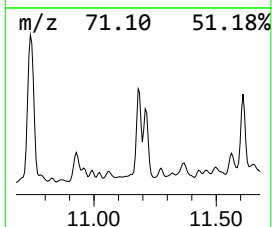
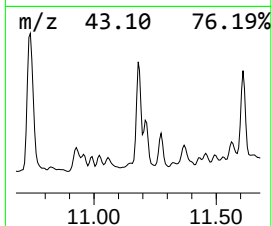
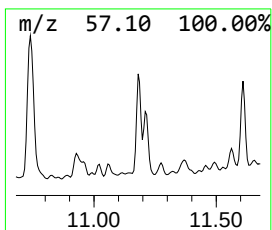
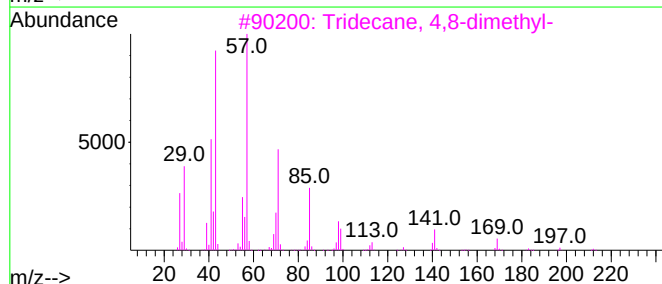
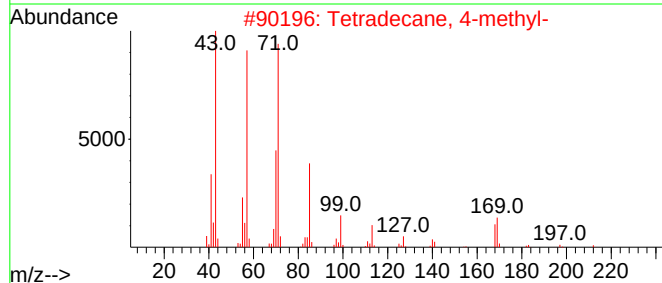
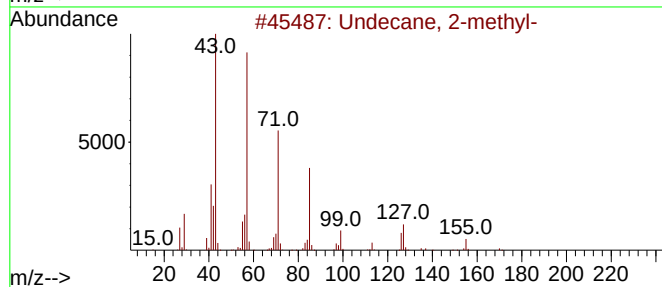
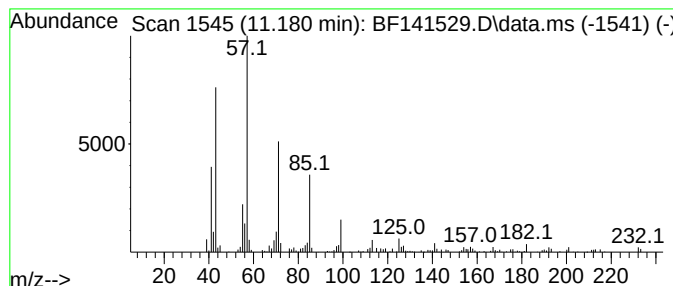
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Undecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	3.28 ng	101618	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2-methyl-	170	C12H26	007045-71-8	83
2		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	81
3		Tridecane, 4,8-dimethyl-	212	C15H32	055030-62-1	80
4		Pentadecane	212	C15H32	000629-62-9	80
5		Hexadecane	226	C16H34	000544-76-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

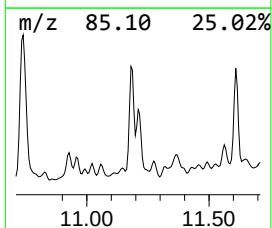
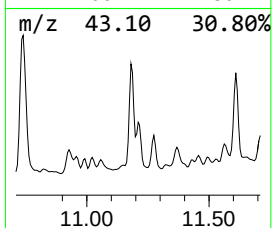
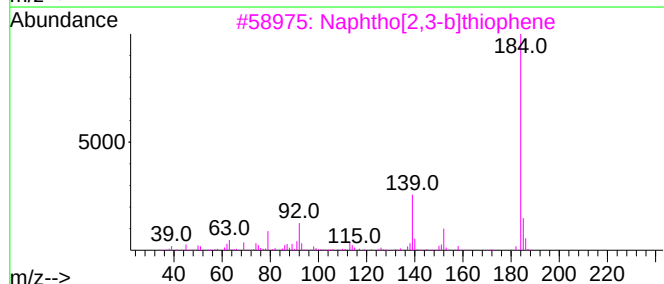
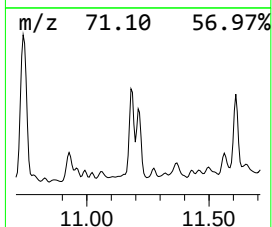
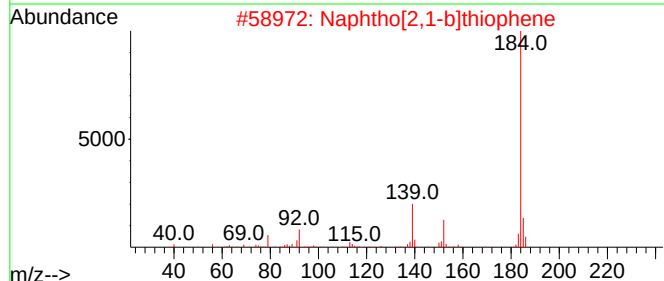
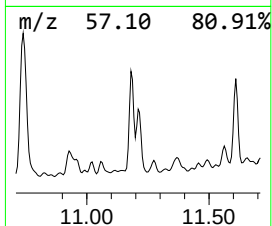
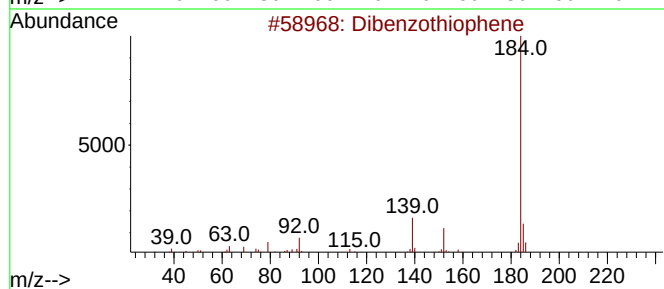
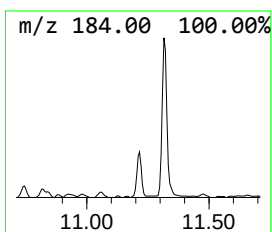
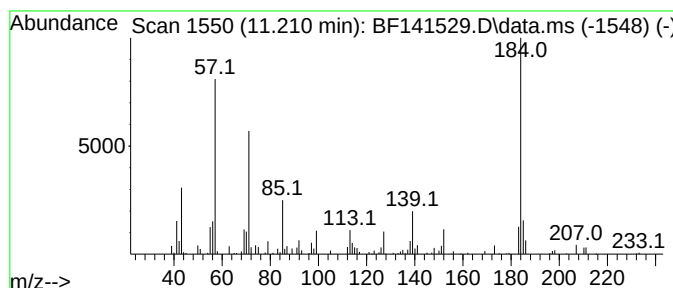
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.210	2.52 ng	78064	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dibenzothiophene		184	C12H8S	000132-65-0	60
2	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	53
3	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	49
4	1,4-Benzenediamine, N-phenyl-		184	C12H12N2	000101-54-2	38
5	2-Dibenzofuranol		184	C12H8O2	000086-77-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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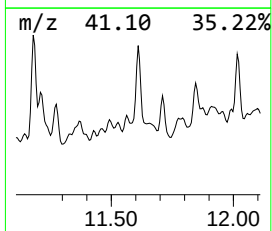
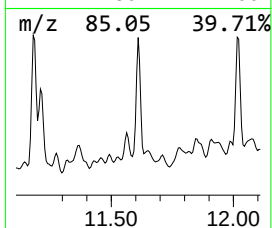
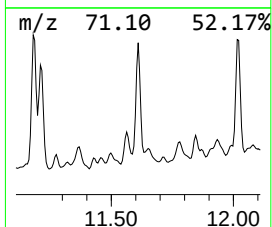
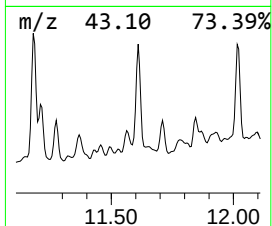
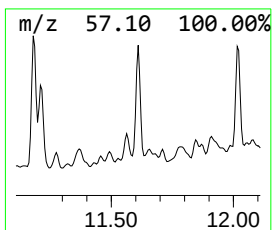
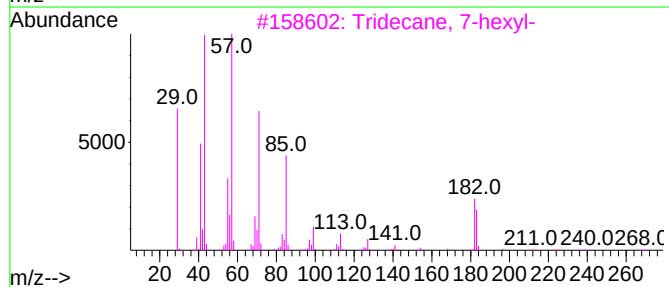
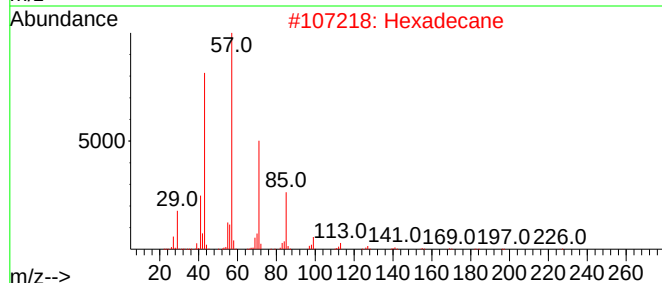
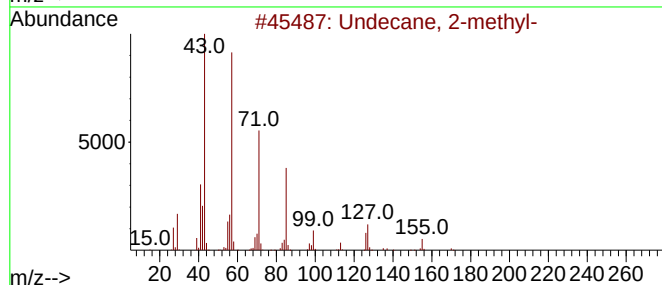
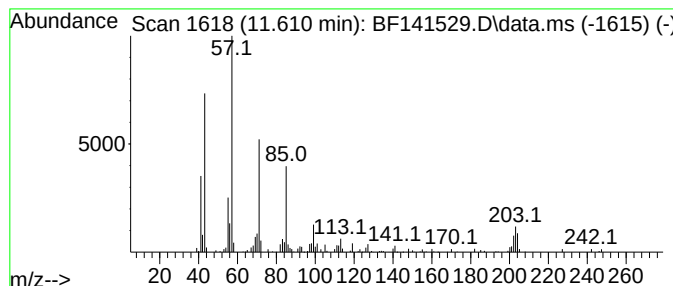
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane, 7-hexyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	2.08 ng	64344	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Undecane, 2-methyl-	170	C12H26	007045-71-8	72
2		Hexadecane	226	C16H34	000544-76-3	72
3		Tridecane, 7-hexyl-	268	C19H40	007225-66-3	72
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
5		Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

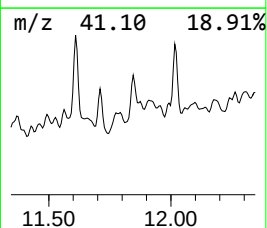
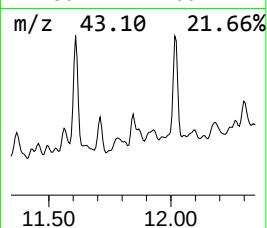
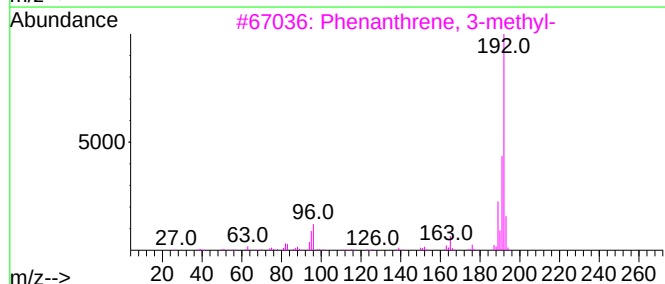
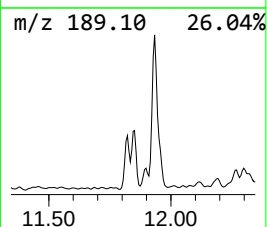
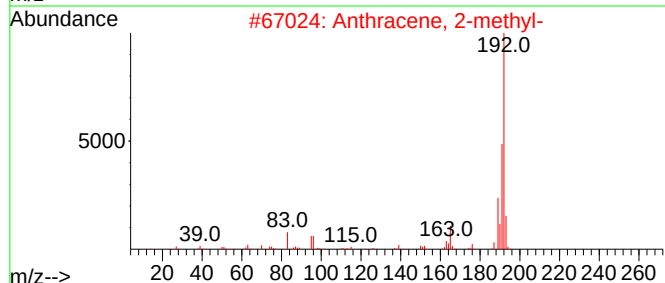
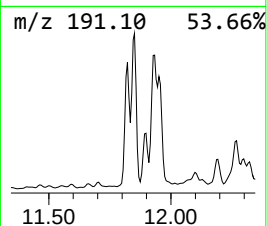
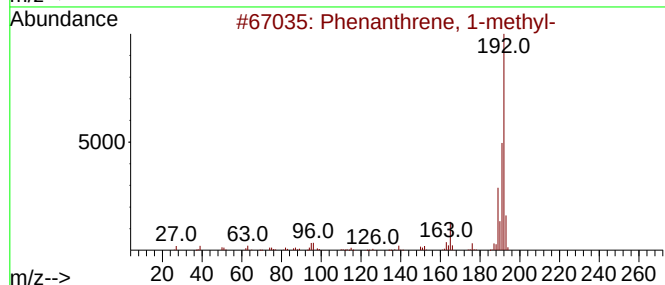
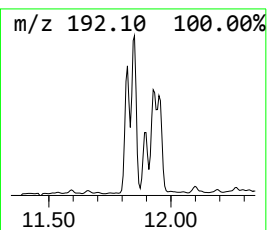
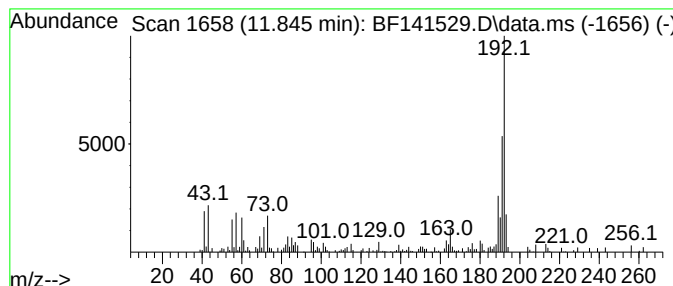
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.845	2.41 ng	74694	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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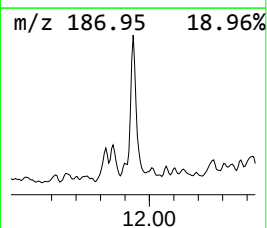
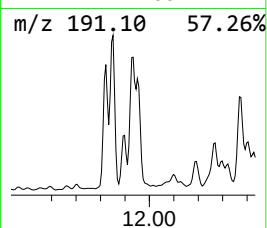
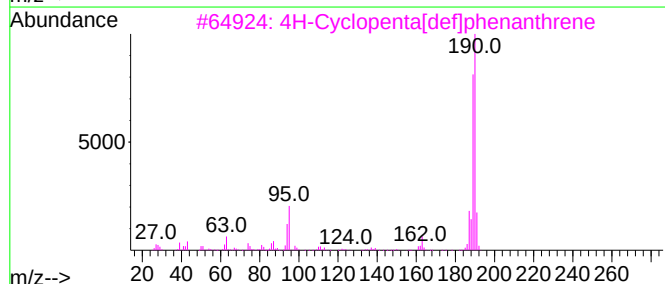
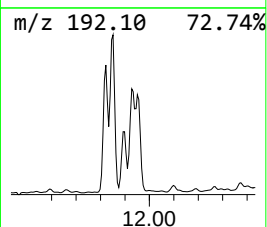
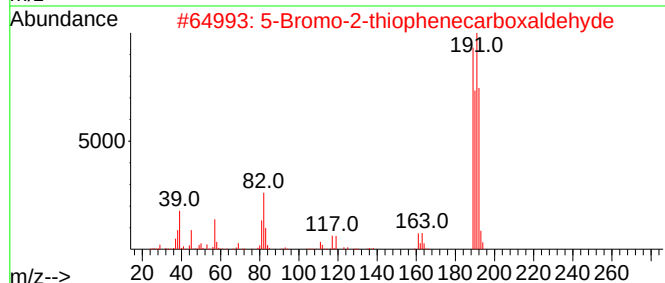
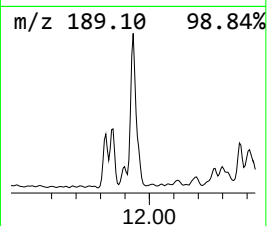
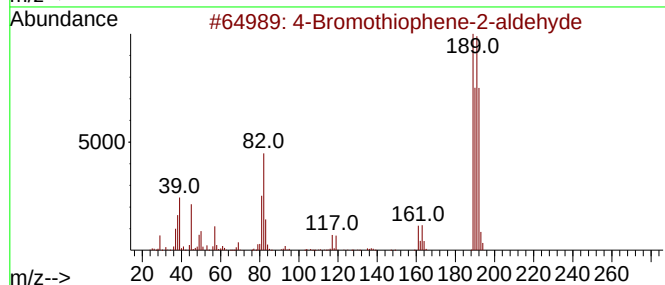
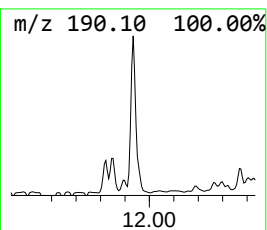
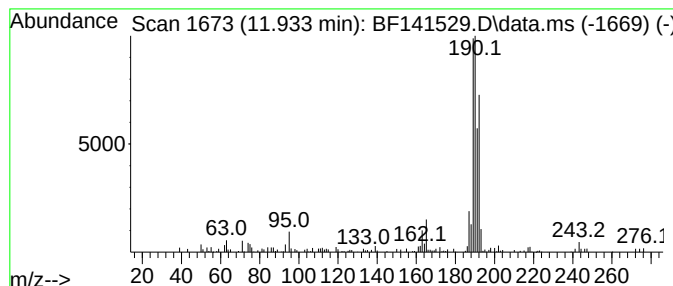
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4-Bromothiophene-2-aldehyde Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	4.25 ng	131636	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	53
2		5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
3		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4		Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43
5		4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Acq On : 08 Feb 2025 00:47
Operator : RC/JU
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Misc :
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ClientSampleId :
JPP-51.2-012925

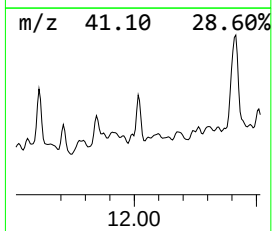
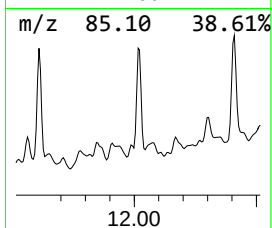
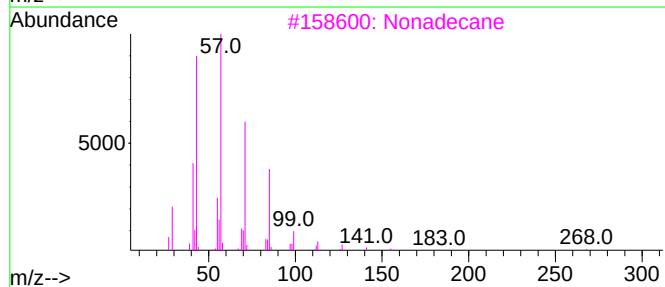
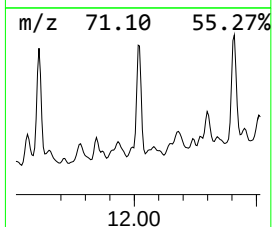
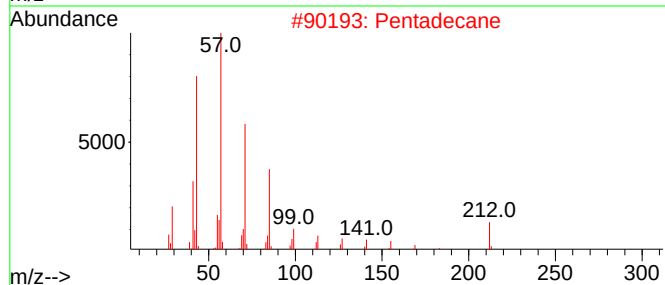
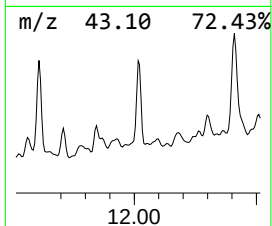
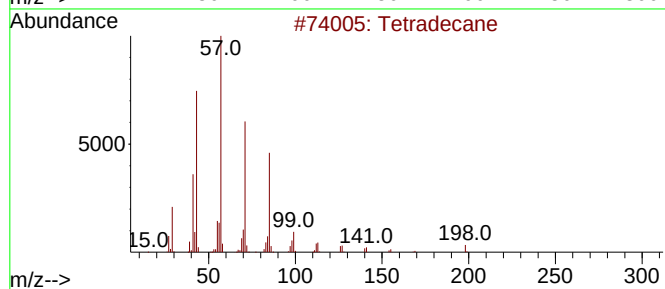
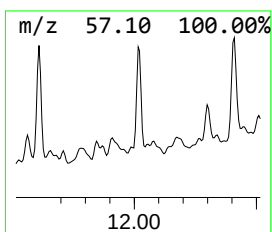
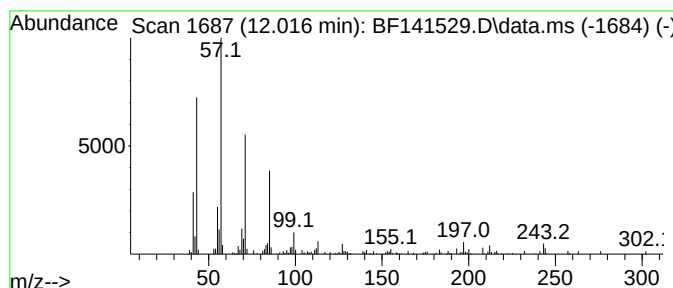
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	2.27 ng	70446	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	94
2		Pentadecane	212	C15H32	000629-62-9	91
3		Nonadecane	268	C19H40	000629-92-5	83
4		Tetratetracontane	619	C44H90	007098-22-8	83
5		Octacosane	394	C28H58	000630-02-4	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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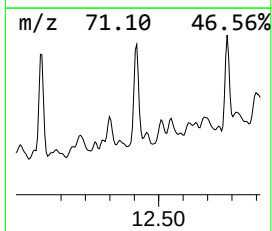
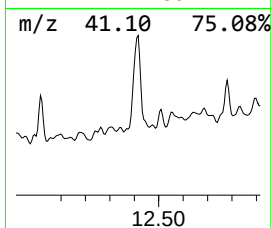
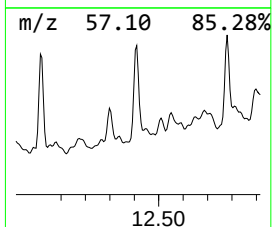
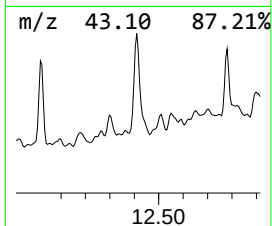
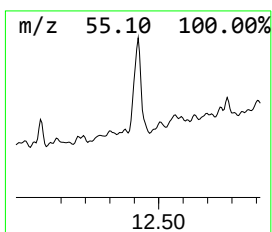
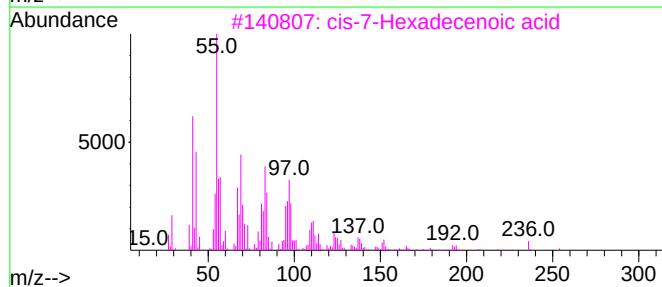
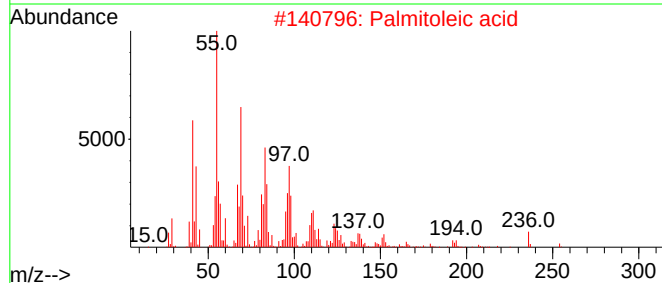
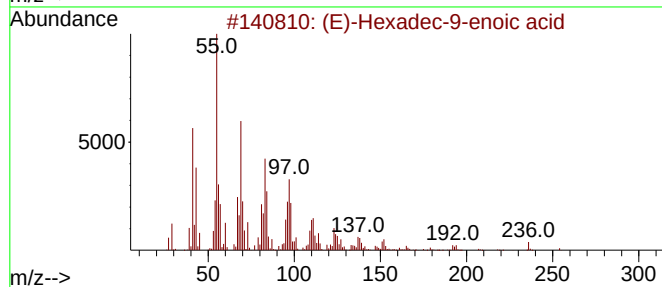
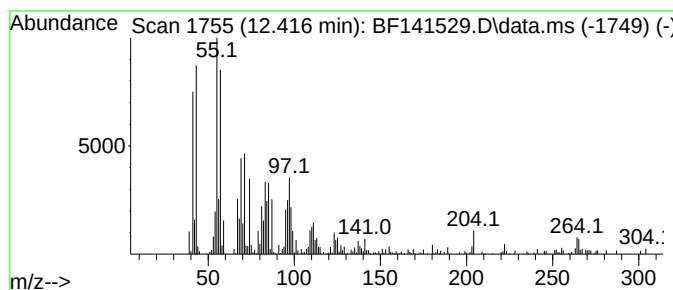
Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 (E)-Hexadec-9-enoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.416	6.61 ng	205083	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	84
2	Palmitoleic acid	254	C16H30O2	000373-49-9	83
3	cis-7-Hexadecenoic acid	254	C16H30O2	002416-19-5	66
4	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	60
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1010333-58-3	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141529.D
Acq On : 08 Feb 2025 00:47
Operator : RC/JU
Sample : Q1235-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-51.2-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.981	11.2	ng	261140	1	6.792	467335	20.0
Tridecane, 6-me...	9.228	3.5	ng	109018	3	9.828	613887	20.0
Naphthalene, 2,...	9.486	2.2	ng	68200	3	9.828	613887	20.0
Nonadecane	9.545	3.1	ng	94615	3	9.828	613887	20.0
Pentadecane	9.757	3.3	ng	99842	3	9.828	613887	20.0
Hexadecane	10.257	3.9	ng	120910	3	9.828	613887	20.0
Benzophenone	10.539	3.7	ng	114508	3	9.828	613887	20.0
Tridecane	10.739	6.0	ng	185537	4	11.316	620082	20.0
Undecane, 2-met...	11.180	3.3	ng	101618	4	11.316	620082	20.0
Dibenzothiophene	11.210	2.5	ng	78064	4	11.316	620082	20.0
Tridecane, 7-he...	11.610	2.1	ng	64344	4	11.316	620082	20.0
Phenanthrene, 1...	11.845	2.4	ng	74694	4	11.316	620082	20.0
4-Bromothiophen...	11.933	4.3	ng	131636	4	11.316	620082	20.0
Tetradecane	12.016	2.3	ng	70446	4	11.316	620082	20.0
(E)-Hexadec-9-e...	12.416	6.6	ng	205083	4	11.316	620082	20.0

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141522.D	2	01/31/25 10:20	02/07/25 21:40	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	740	U	410	740	ug/Kg
108-95-2	Phenol	380	U	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	190	380	ug/Kg
95-57-8	2-Chlorophenol	380	U	190	380	ug/Kg
95-48-7	2-Methylphenol	380	U	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	200	380	ug/Kg
98-86-2	Acetophenone	380	UQ	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	740	U	180	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	90.1	180	ug/Kg
67-72-1	Hexachloroethane	380	U	190	380	ug/Kg
98-95-3	Nitrobenzene	380	U	200	380	ug/Kg
78-59-1	Isophorone	380	U	190	380	ug/Kg
88-75-5	2-Nitrophenol	380	U	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	170	380	ug/Kg
91-20-3	Naphthalene	380	U	180	380	ug/Kg
106-47-8	4-Chloroaniline	380	U	180	380	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	190	380	ug/Kg
105-60-2	Caprolactam	740	U	190	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	180	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	740	UQ	350	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	170	380	ug/Kg
92-52-4	1,1-Biphenyl	380	U	200	380	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	190	380	ug/Kg
88-74-4	2-Nitroaniline	380	U	210	380	ug/Kg
131-11-3	Dimethylphthalate	380	U	180	380	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141522.D	2	01/31/25 10:20	02/07/25 21:40	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	U	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	190	380	ug/Kg
99-09-2	3-Nitroaniline	380	U	200	380	ug/Kg
83-32-9	Acenaphthene	380	U	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	740	U	540	740	ug/Kg
100-02-7	4-Nitrophenol	740	U	260	740	ug/Kg
132-64-9	Dibenzofuran	380	U	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	190	380	ug/Kg
84-66-2	Diethylphthalate	380	U	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	190	380	ug/Kg
86-73-7	Fluorene	380	U	190	380	ug/Kg
100-01-6	4-Nitroaniline	380	U	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	260	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	180	380	ug/Kg
118-74-1	Hexachlorobenzene	380	U	190	380	ug/Kg
1912-24-9	Atrazine	380	U	200	380	ug/Kg
87-86-5	Pentachlorophenol	740	U	170	740	ug/Kg
85-01-8	Phenanthrene	1700		190	380	ug/Kg
120-12-7	Anthracene	480		190	380	ug/Kg
86-74-8	Carbazole	380	U	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	190	380	ug/Kg
206-44-0	Fluoranthene	3700		180	380	ug/Kg
129-00-0	Pyrene	4200		190	380	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	220	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740	U	220	740	ug/Kg
56-55-3	Benzo(a)anthracene	2300		180	380	ug/Kg
218-01-9	Chrysene	1800		180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	740	U	250	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		180	380	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141522.D	2	01/31/25 10:20	02/07/25 21:40	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		180	380	ug/Kg
50-32-8	Benzo(a)pyrene	2200		210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	940		170	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	J	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	190	380	ug/Kg
123-91-1	1,4-Dioxane	380	U	250	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	170	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	68.5		18 - 112	46%	SPK: 150
13127-88-3	Phenol-d6	69.6		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.6		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	52.2		10 - 116	35%	SPK: 150
1718-51-0	Terphenyl-d14	55.0		10 - 105	55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	91600	6.793
1146-65-2	Naphthalene-d8	347000	8.075
15067-26-2	Acenaphthene-d10	170000	9.828
1517-22-2	Phenanthrene-d10	256000	11.316
1719-03-5	Chrysene-d12	155000	13.963
1520-96-3	Perylene-d12	121000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	250	J	10.5	ug/Kg
321732-25-6	Dehydrochamazulene	170	J	11.2	ug/Kg
000244-99-5	5H-Indeno[1,2-b]pyridine	150	J	11.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	260	J	11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	520	J	11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	210	J	11.9	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	740	J	11.9	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-16.1-012925	SDG No.:	Q1235
Lab Sample ID:	Q1235-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141522.D	2	01/31/25 10:20	02/07/25 21:40	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000612-94-2	Naphthalene, 2-phenyl-	270	J		12.1	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	240	J		12.4	ug/Kg
	unknown12.404	210	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	220	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	240	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	300	J		13.1	ug/Kg
003353-12-6	Pyrene, 4-methyl-	220	J		13.2	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\BF020725\
 Data File : BF141522.D
 Acq On : 07 Feb 2025 21:40
 Operator : RC/JU
 Sample : Q1235-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:28:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	91628	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347094	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	170343	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	255902	20.000	ng	0.00
76) Chrysene-d12	13.963	240	155441	20.000	ng	0.00
86) Perylene-d12	15.439	264	120766	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	200043	34.227	ng	0.00
7) Phenol-d6	6.428	99	257096	34.804	ng	-0.01
23) Nitrobenzene-d5	7.351	82	161860	24.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	44636	26.085	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	304796	27.567	ng	0.00
79) Terphenyl-d14	12.904	244	253037	27.481	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	322056	22.863	ng	100
72) Anthracene	11.392	178	90802	6.413	ng	100
75) Fluoranthene	12.533	202	739267	49.502	ng	100
78) Pyrene	12.763	202	745126	56.311	ng	99
81) Benzo(a)anthracene	13.957	228	317812	30.758	ng	96
83) Chrysene	13.992	228	229228	24.026	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	94040	12.602	ng	97
88) Benzo(b)fluoranthene	15.016	252	241889m	29.830	ng	
89) Benzo(k)fluoranthene	15.027	252	104739m	15.126	ng	
90) Benzo(a)pyrene	15.374	252	190748	29.071	ng	# 95
91) Dibenzo(a,h)anthracene	16.892	278	23207	3.838	ng	# 77
92) Benzo(g,h,i)perylene	17.327	276	95582	15.106	ng	98

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

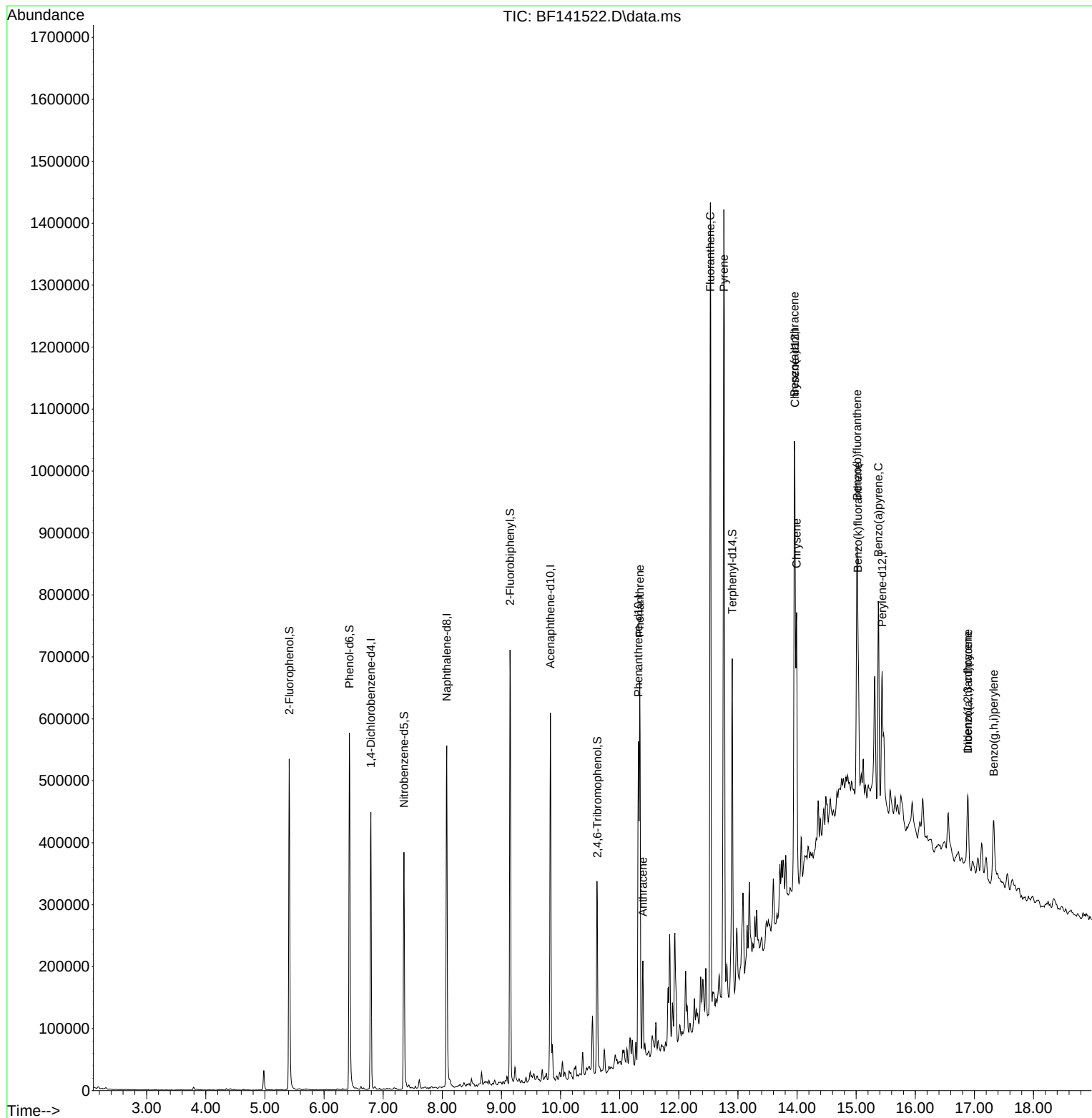
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Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

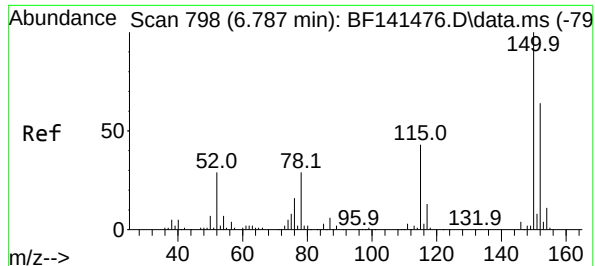
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

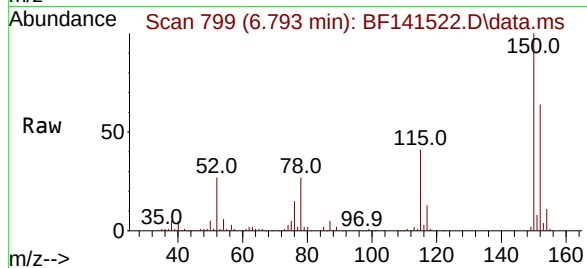
Quant Time: Feb 07 22:28:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

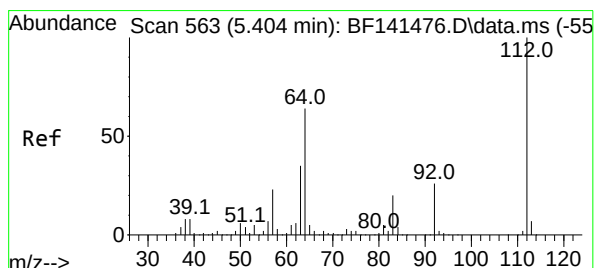
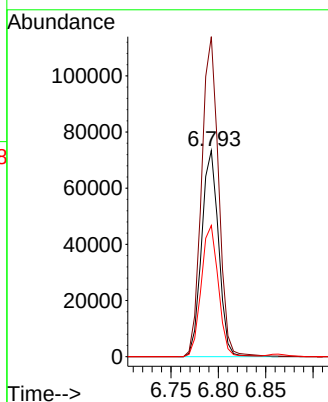
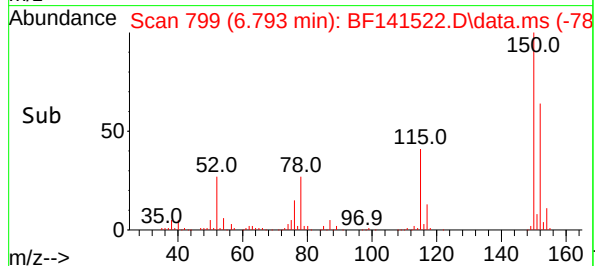
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BNA_F
ClientSampleId :
JPP-16.1-012925



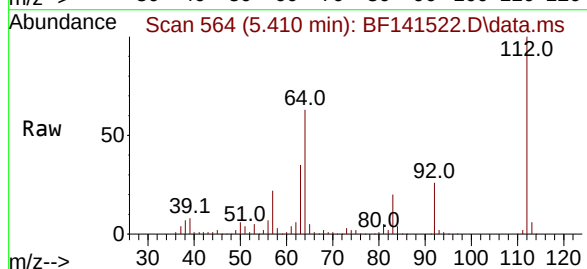
Tgt Ion:152 Resp: 91628
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 63.7 53.6 80.4

Manual Integrations
APPROVED

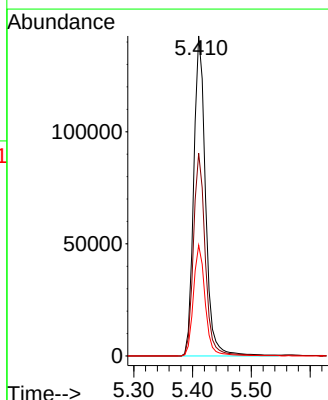
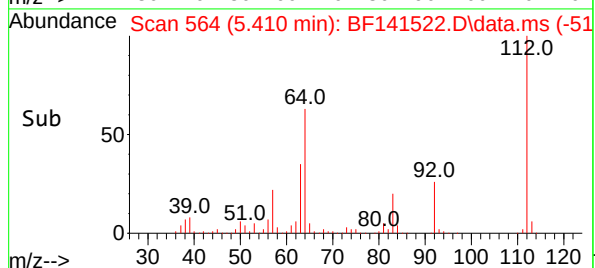
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

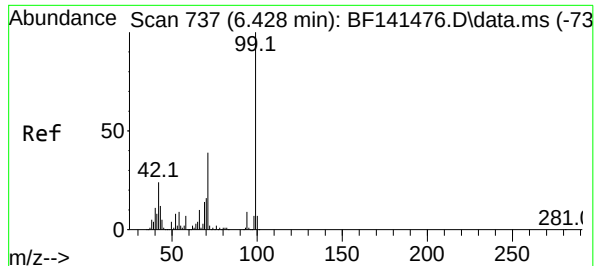


#5
2-Fluorophenol
Concen: 34.227 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



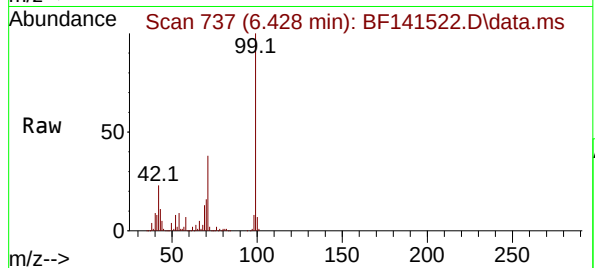
Tgt Ion:112 Resp: 200043
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.6 28.4 42.6





#7
Phenol-d6
Concen: 34.804 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

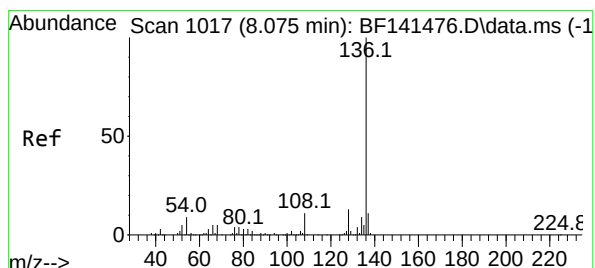
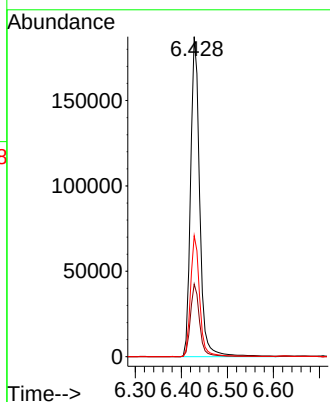
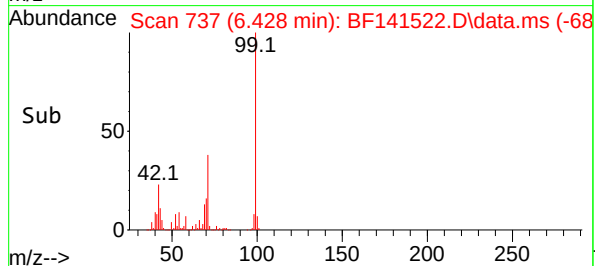
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925



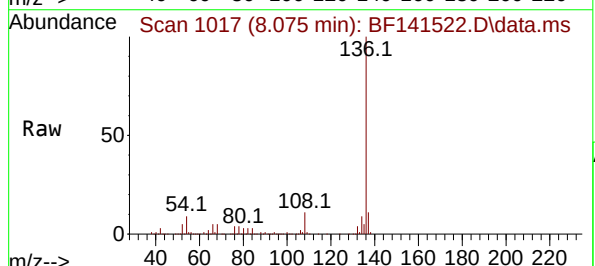
Tgt Ion: 99 Resp: 257090
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 37.8 31.1 46.7

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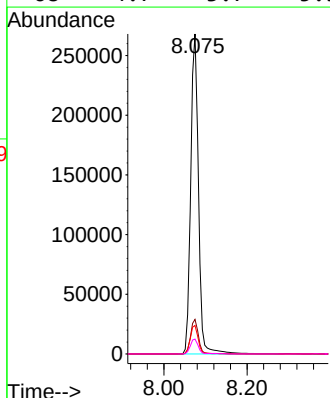
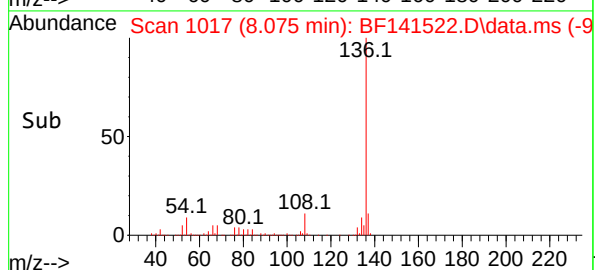
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

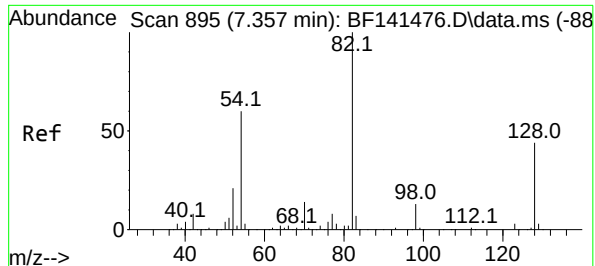


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



Tgt Ion:136 Resp: 347094
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 24.323 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

Tgt Ion: 82 Resp: 161860

Ion Ratio Lower Upper

82 100

128 42.3 34.8 52.2

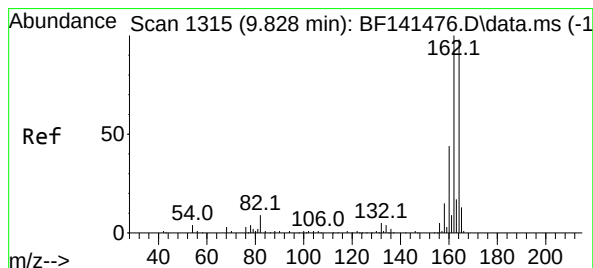
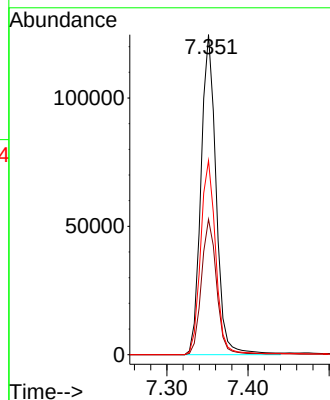
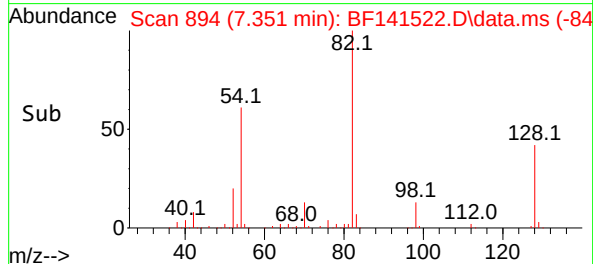
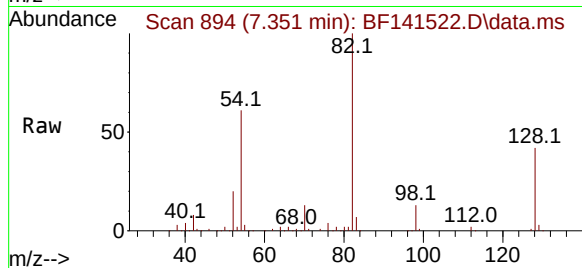
54 60.7 48.2 72.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

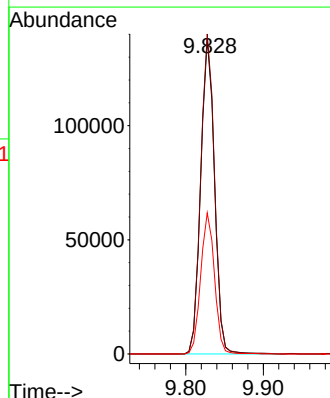
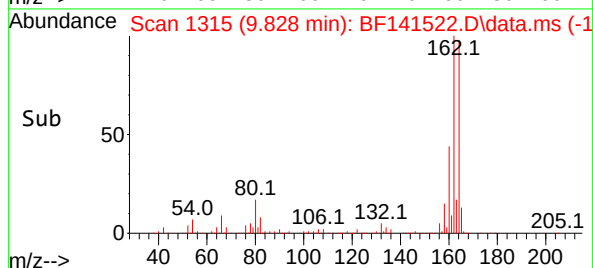
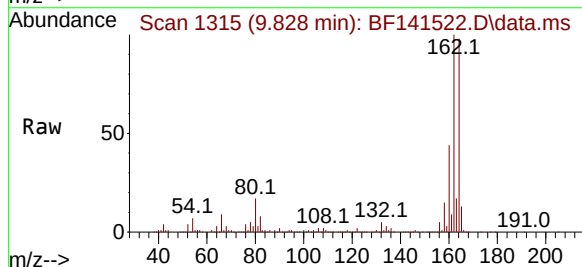
Tgt Ion:164 Resp: 170343

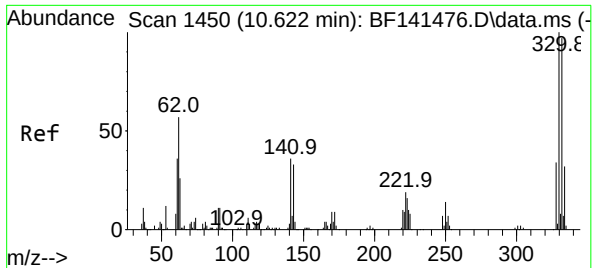
Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

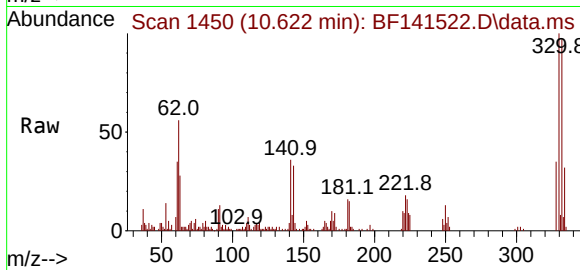
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 26.085 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

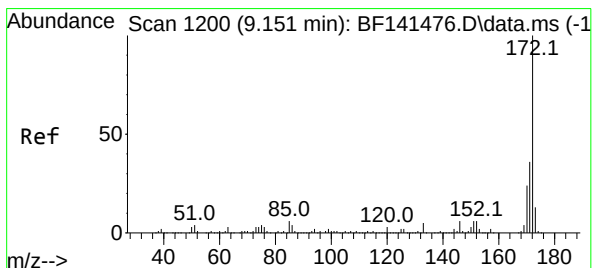
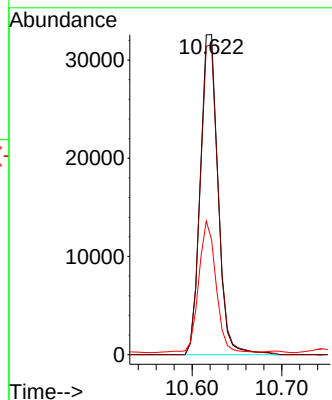
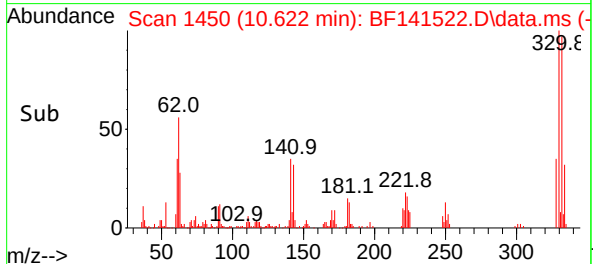
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925



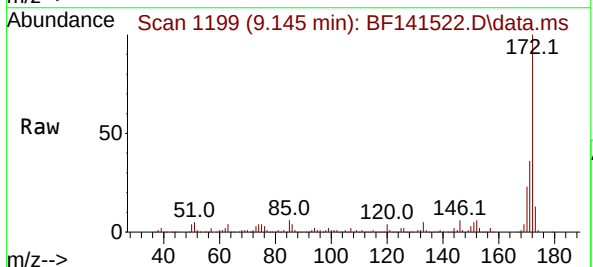
Tgt Ion: 330 Resp: 44630
Ion Ratio Lower Upper
330 100
332 98.7 78.5 117.7
141 40.2 31.0 46.4

Manual Integrations
APPROVED

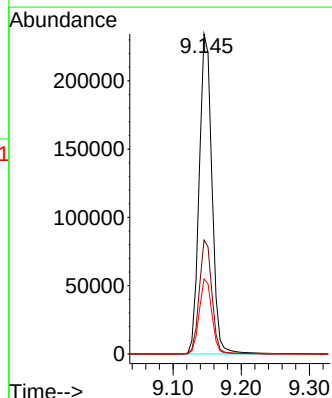
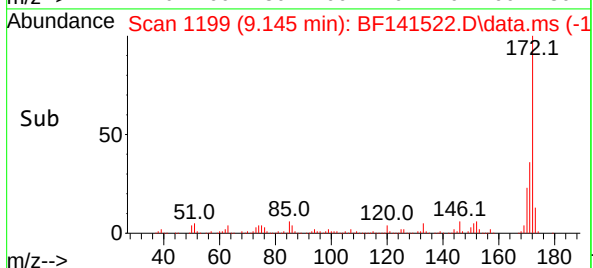
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

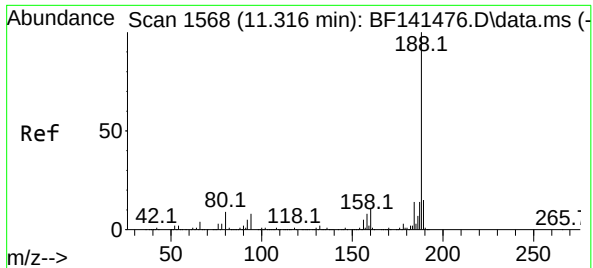


#45
2-Fluorobiphenyl
Concen: 27.567 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



Tgt Ion: 172 Resp: 304796
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.4 18.9 28.3





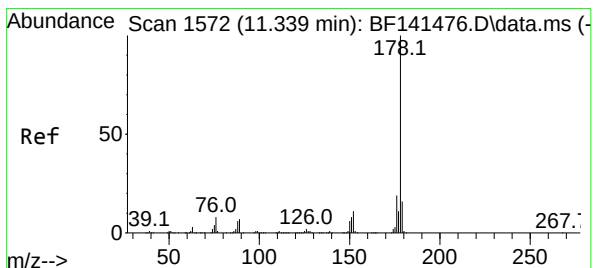
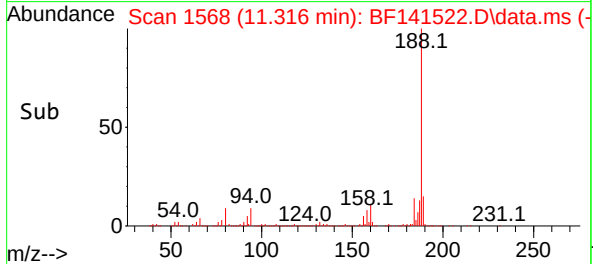
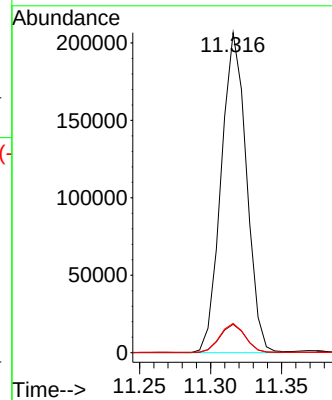
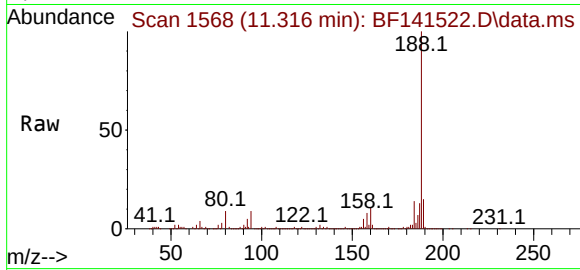
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Tgt Ion:188 Resp: 255902
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 7.3 10.9

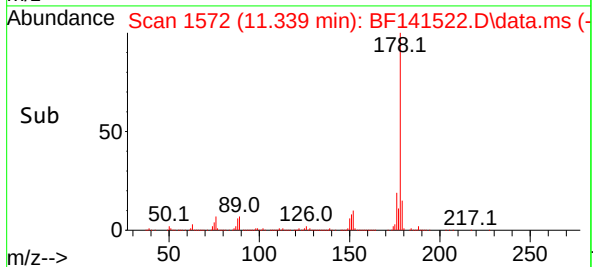
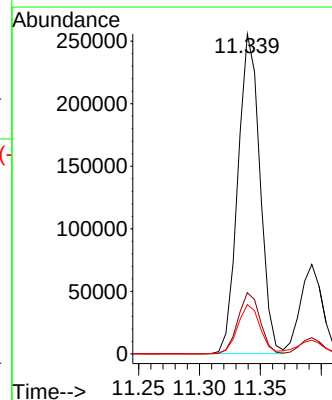
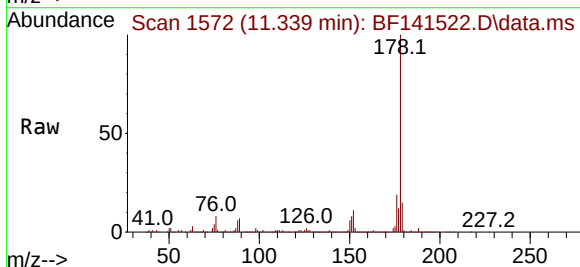
Manual Integrations
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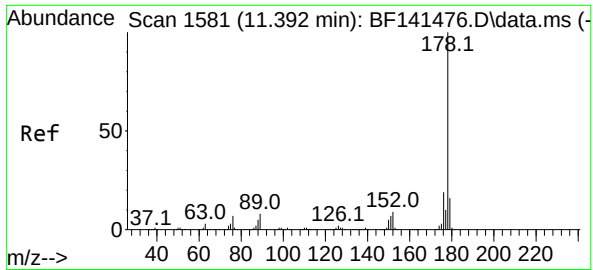
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#71
Phenanthrene
Concen: 22.863 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

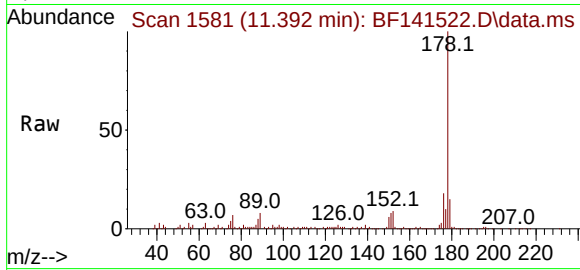
Tgt Ion:178 Resp: 322056
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 6.413 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

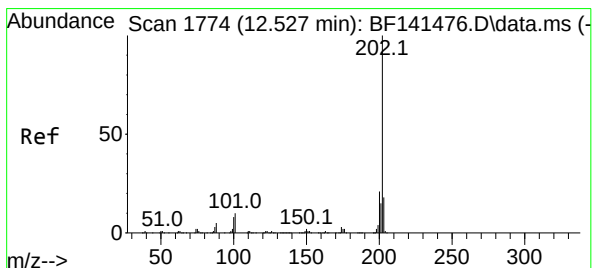
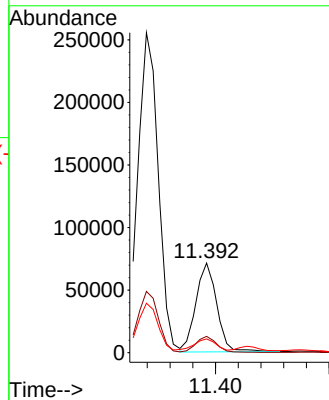
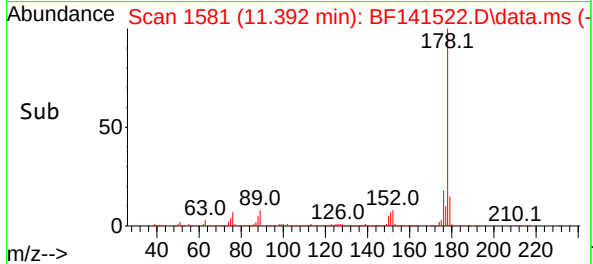
Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925



Tgt Ion:178 Resp: 90802
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.4 12.4 18.6

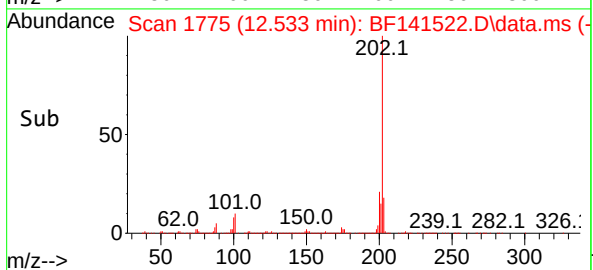
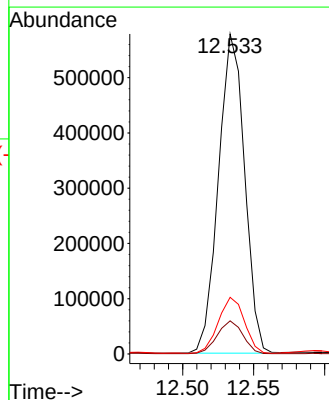
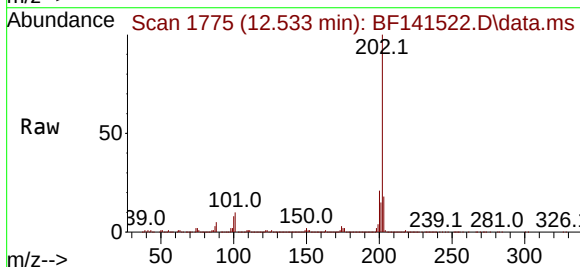
Manual Integrations
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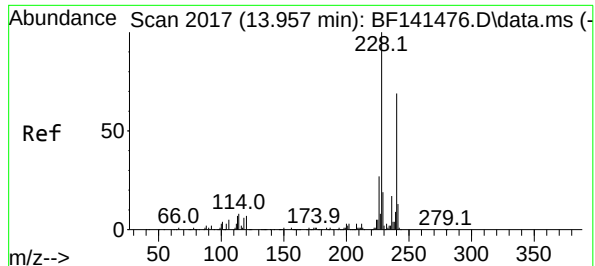
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#75
 Fluoranthene
 Concen: 49.502 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

Tgt Ion:202 Resp: 739267
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.2
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

Tgt Ion:240 Resp: 15544

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

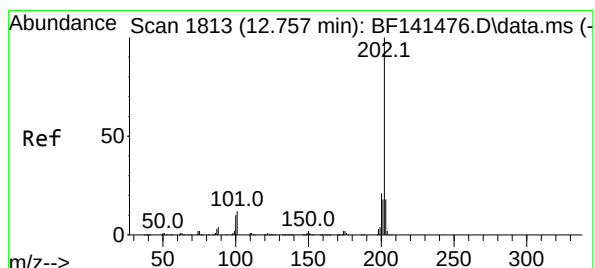
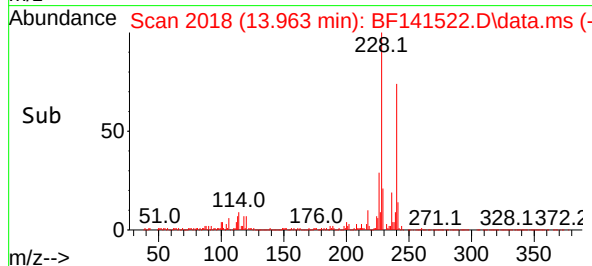
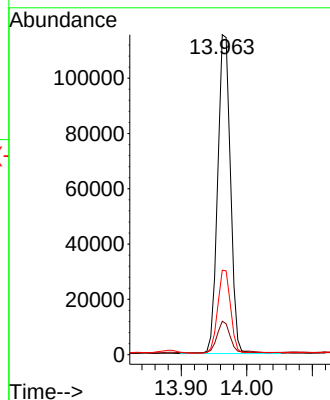
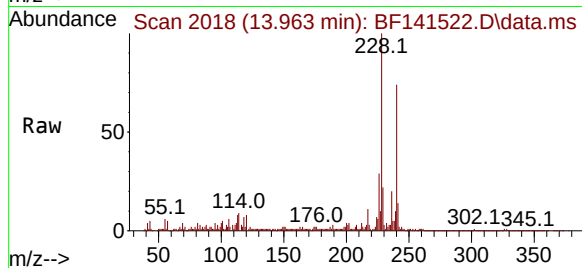
236 26.4 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#78

Pyrene

Concen: 56.311 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

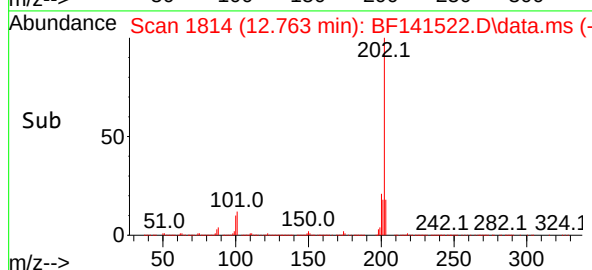
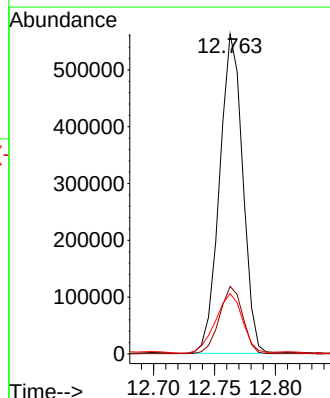
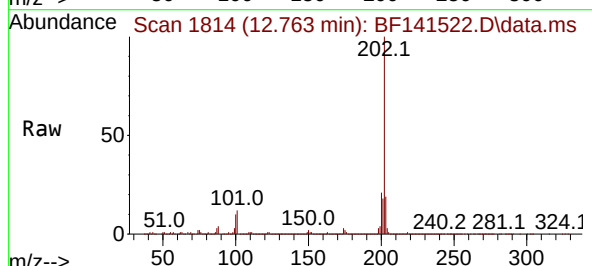
Tgt Ion:202 Resp: 745126

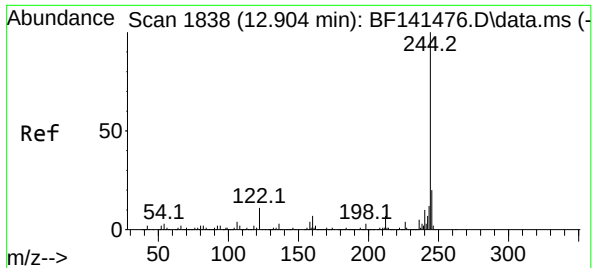
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

203 18.9 14.3 21.5





#79

Terphenyl-d14

Concen: 27.481 ng

RT: 12.904 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141522.D

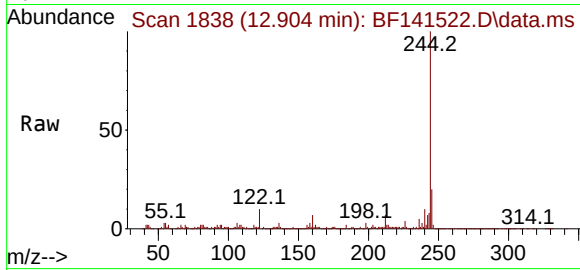
Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925



Tgt Ion:244 Resp: 25303

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

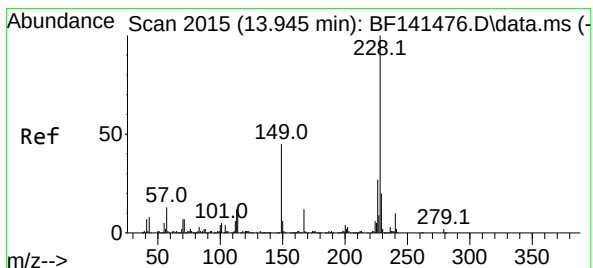
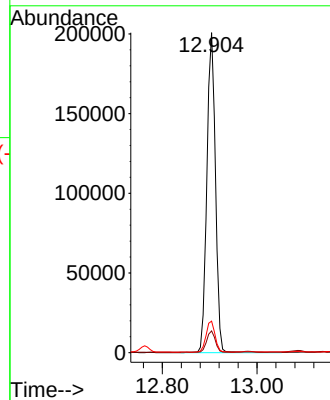
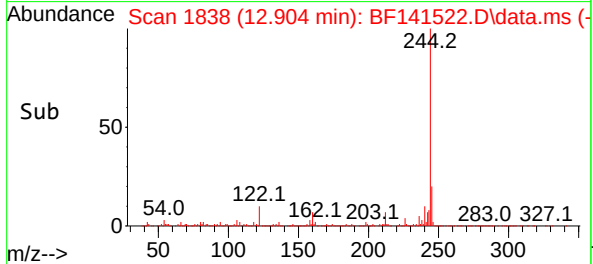
122 9.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#81

Benzo(a)anthracene

Concen: 30.758 ng

RT: 13.957 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

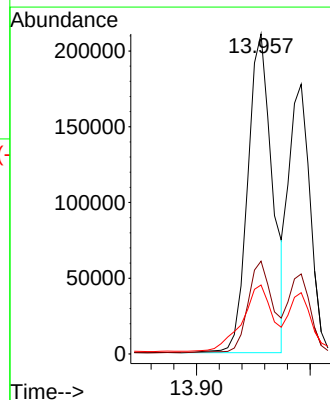
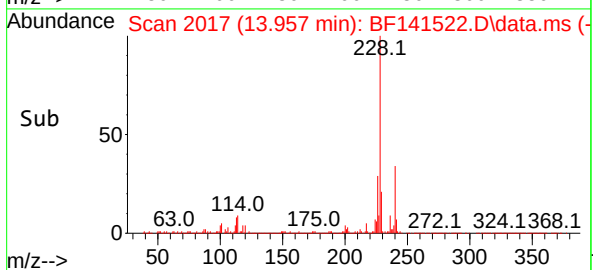
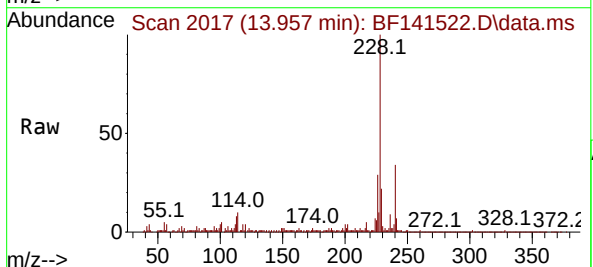
Tgt Ion:228 Resp: 317812

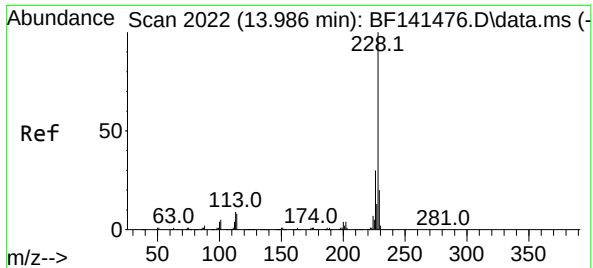
Ion Ratio Lower Upper

228 100

226 29.0 21.8 32.8

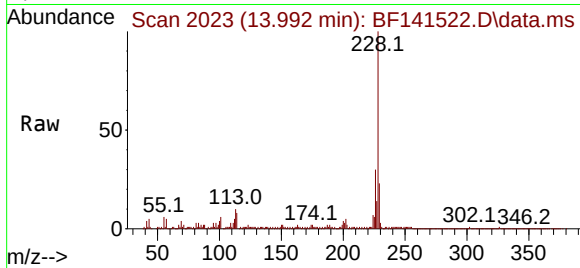
229 21.6 15.8 23.6





#83
Chrysene
Concen: 24.026 ng
RT: 13.992 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

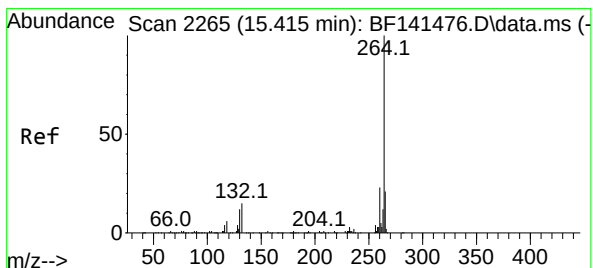
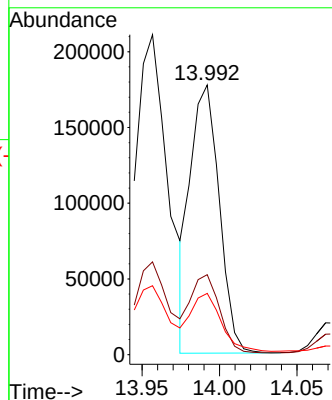
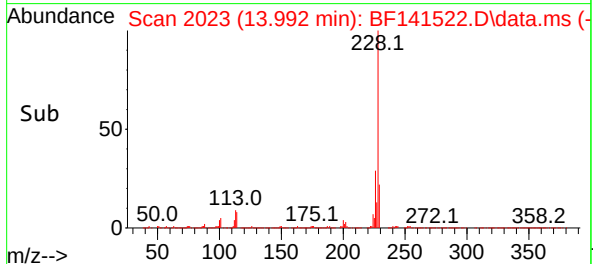
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925



Tgt Ion:228 Resp: 229228
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.7 15.7 23.5

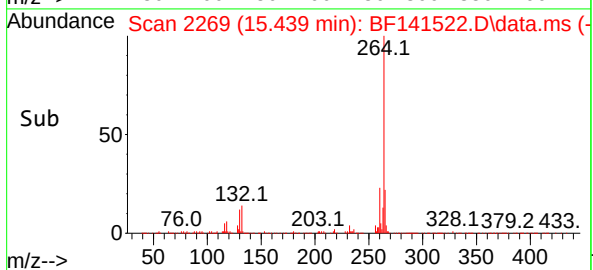
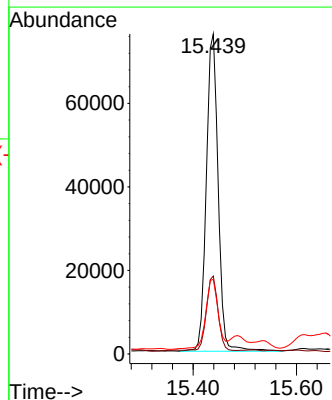
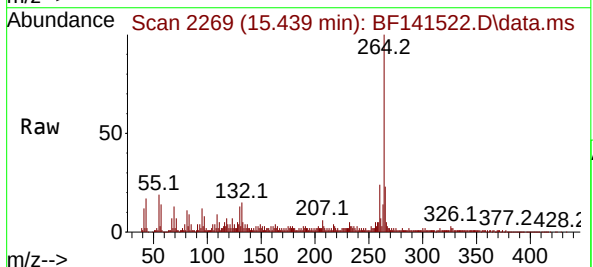
Manual Integrations
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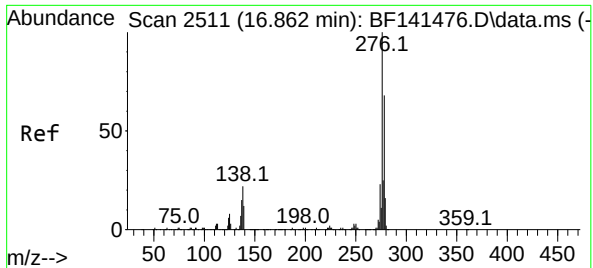
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:264 Resp: 120766
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.602 ng

RT: 16.886 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

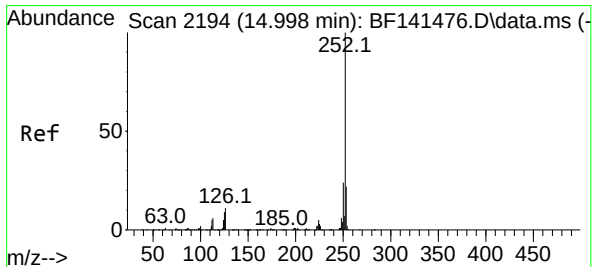
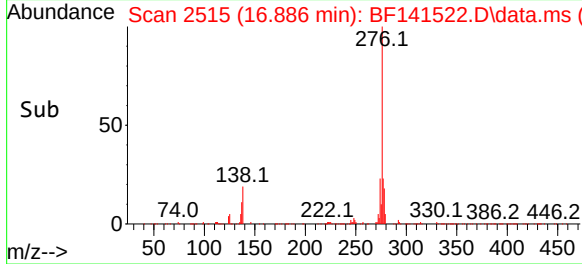
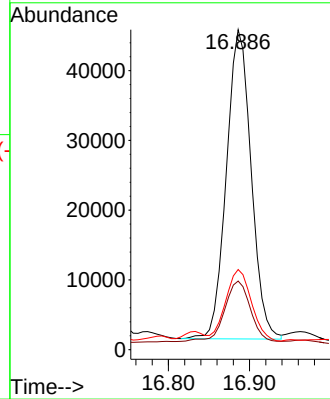
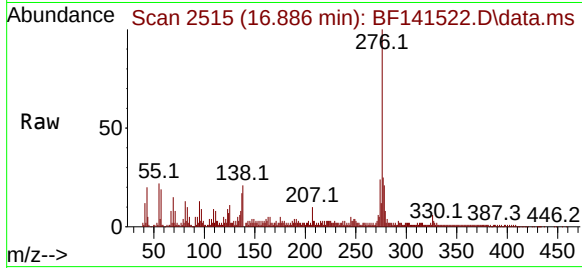
Tgt Ion:	276	Resp:	94040
Ion Ratio	Lower	Upper	
276	100		
138	20.5	18.0	27.0
277	24.1	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 29.830 ng m

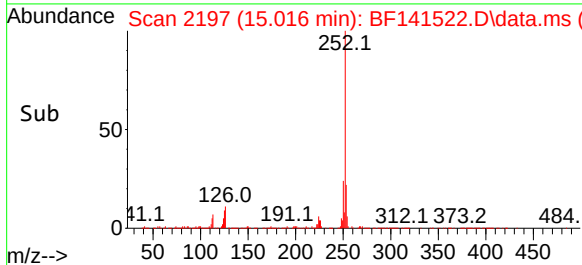
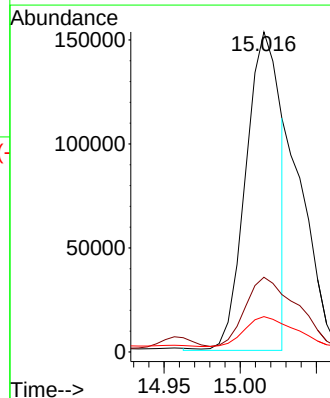
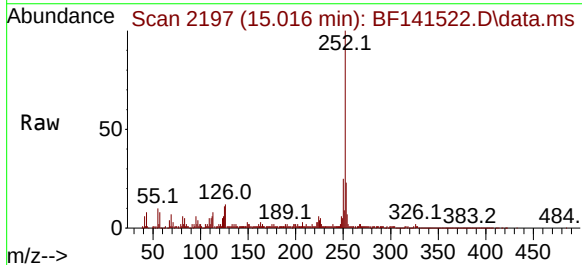
RT: 15.016 min Scan# 2197

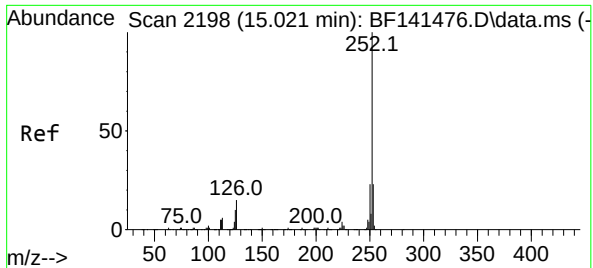
Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Tgt Ion:	252	Resp:	241889
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	11.0	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 15.126 ng m

RT: 15.027 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

Tgt Ion:252 Resp: 104739

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

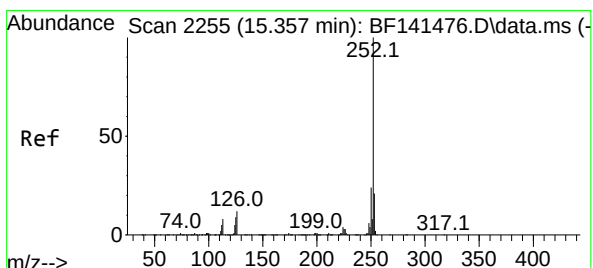
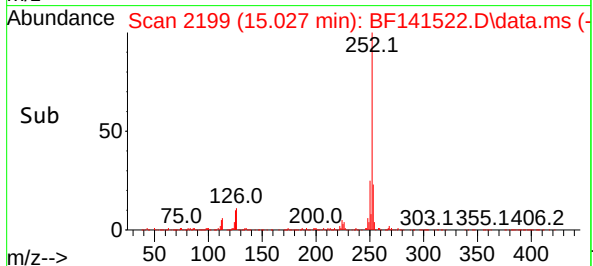
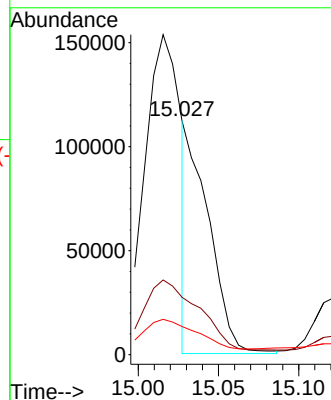
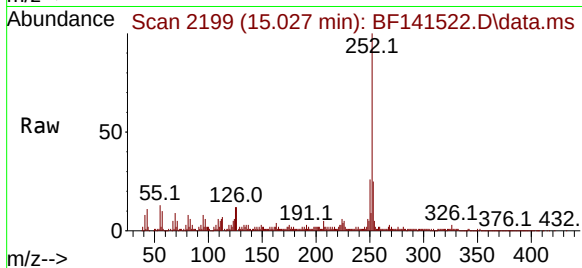
125 12.0 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#90

Benzo(a)pyrene

Concen: 29.071 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

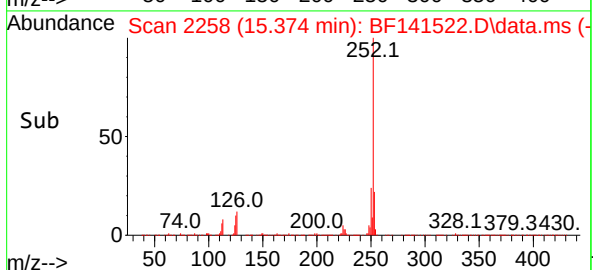
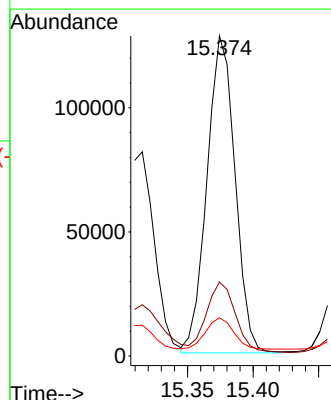
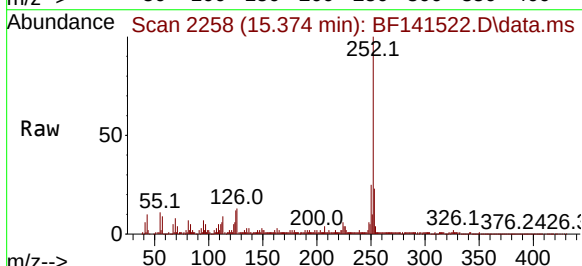
Tgt Ion:252 Resp: 190748

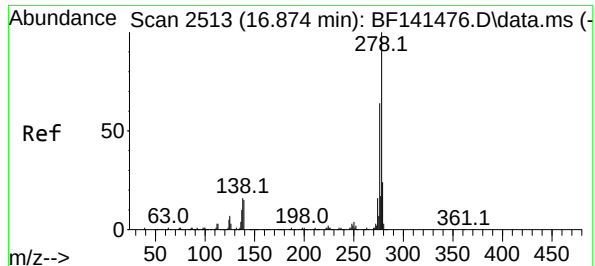
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 12.0 7.4 11.2#





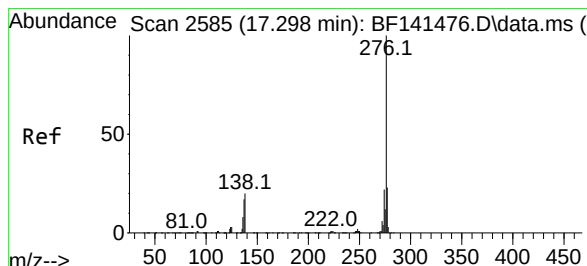
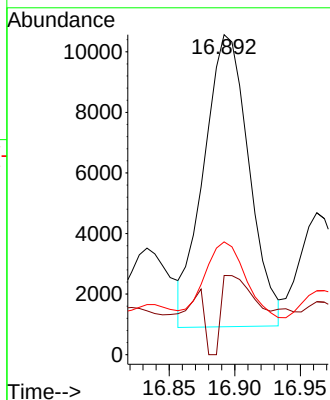
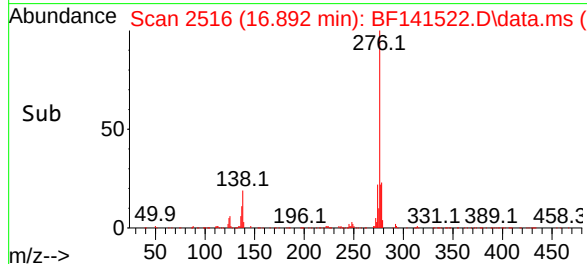
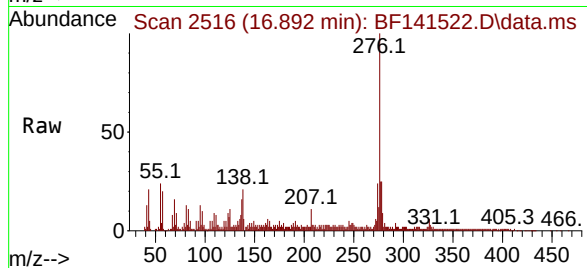
#91
Dibenzo(a,h)anthracene
Concen: 3.838 ng
RT: 16.892 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Tgt Ion:278 Resp: 2320
Ion Ratio Lower Upper
278 100
139 24.7 11.8 17.6
279 35.2 19.1 28.7

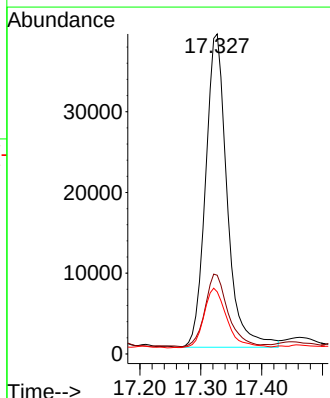
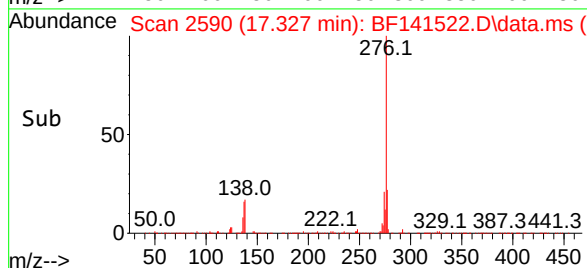
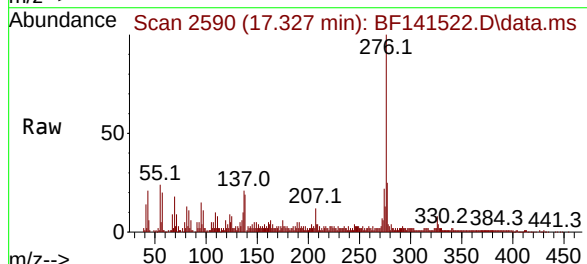
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 15.106 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:276 Resp: 95582
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 19.4 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141522.D
 Acq On : 07 Feb 2025 21:40
 Operator : RC/JU
 Sample : Q1235-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

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-BF020625.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141522.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.981	486	491	498	rVB	31146	44078	2.31%	0.258%
2	5.410	559	564	586	rVB	533139	735224	38.50%	4.299%
3	6.428	732	737	753	rBV	575484	802151	42.00%	4.691%
4	6.793	794	799	805	rBV	446627	559357	29.29%	3.271%
5	7.351	884	894	905	rBV	382792	508696	26.64%	2.975%
6	7.610	932	938	943	rVB3	13444	20490	1.07%	0.120%
7	8.075	1010	1017	1034	rBV	550605	756303	39.60%	4.423%
8	8.492	1084	1088	1094	rBV	11633	19216	1.01%	0.112%
9	8.663	1113	1117	1121	rVB	19551	23751	1.24%	0.139%
10	9.145	1194	1199	1209	rBV	699752	898522	47.05%	5.254%
11	9.228	1209	1213	1222	rVV2	22774	36833	1.93%	0.215%
12	9.692	1287	1292	1296	rBV	18310	26563	1.39%	0.155%
13	9.828	1308	1315	1319	rBV	591856	756289	39.60%	4.423%
14	9.857	1319	1320	1329	rVB	57526	64546	3.38%	0.377%
15	10.034	1346	1350	1353	rVV2	25036	32535	1.70%	0.190%
16	10.145	1366	1369	1372	rBV	12550	19367	1.01%	0.113%
17	10.233	1380	1384	1386	rBV3	17860	26278	1.38%	0.154%
18	10.375	1404	1408	1414	rBV2	36488	47985	2.51%	0.281%
19	10.539	1431	1436	1443	rVB2	93130	125518	6.57%	0.734%
20	10.616	1444	1449	1455	rBV	309387	418006	21.89%	2.444%
21	10.739	1466	1470	1476	rVB2	37308	61217	3.21%	0.358%
22	11.051	1520	1523	1525	rBV	20298	26988	1.41%	0.158%
23	11.122	1532	1535	1539	rVB	23985	27709	1.45%	0.162%
24	11.175	1539	1544	1548	rBV5	40796	78223	4.10%	0.457%
25	11.210	1548	1550	1557	rVB	40484	56711	2.97%	0.332%
26	11.275	1557	1561	1564	rBV	37167	47801	2.50%	0.280%
27	11.316	1564	1568	1570	rBV	513891	684013	35.82%	4.000%
28	11.339	1570	1572	1577	rVV	597623	681902	35.71%	3.988%
29	11.392	1577	1581	1585	rVB	142443	169378	8.87%	0.990%
30	11.551	1604	1608	1615	rBV4	29025	70313	3.68%	0.411%
31	11.610	1615	1618	1622	rVB	42672	53932	2.82%	0.315%
32	11.822	1649	1654	1655	rBV	94263	120662	6.32%	0.706%
33	11.845	1655	1658	1662	rVV	178606	237255	12.42%	1.387%
34	11.892	1663	1666	1669	rVV	66307	94382	4.94%	0.552%
35	11.933	1669	1673	1681	rVB	175862	341613	17.89%	1.998%
36	12.116	1700	1704	1707	rBV	93229	122341	6.41%	0.715%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141522.D
 Acq On : 07 Feb 2025 21:40
 Operator : RC/JU
 Sample : Q1235-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

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-BF020625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.263	1726	1729	1732	rBV	38668	43926	2.30%	0.257%
38	12.369	1743	1747	1750	rBV	73960	109301	5.72%	0.639%
39	12.404	1751	1753	1759	rVV3	60528	95422	5.00%	0.558%
40	12.457	1759	1762	1767	rVB	76814	100721	5.27%	0.589%
41	12.533	1770	1775	1780	rBV	1310731	1681513	88.05%	9.833%
42	12.763	1807	1814	1819	rBV	1271409	1909689	100.00%	11.167%
43	12.904	1831	1838	1845	rVB2	538602	820721	42.98%	4.799%
44	12.980	1846	1851	1858	rBV2	99385	203577	10.66%	1.190%
45	13.086	1863	1869	1873	rVB	130095	254824	13.34%	1.490%
46	13.157	1878	1881	1883	rVV	56061	69064	3.62%	0.404%
47	13.192	1884	1887	1895	rVB3	113450	189188	9.91%	1.106%
48	13.957	2012	2017	2021	rBV2	703458	1276356	66.84%	7.464%
49	15.016	2193	2197	2205	rVB	388012	808025	42.31%	4.725%
50	15.374	2254	2258	2263	rBV	313753	452052	23.67%	2.643%
51	15.439	2265	2269	2272	rBV	182762	289994	15.19%	1.696%

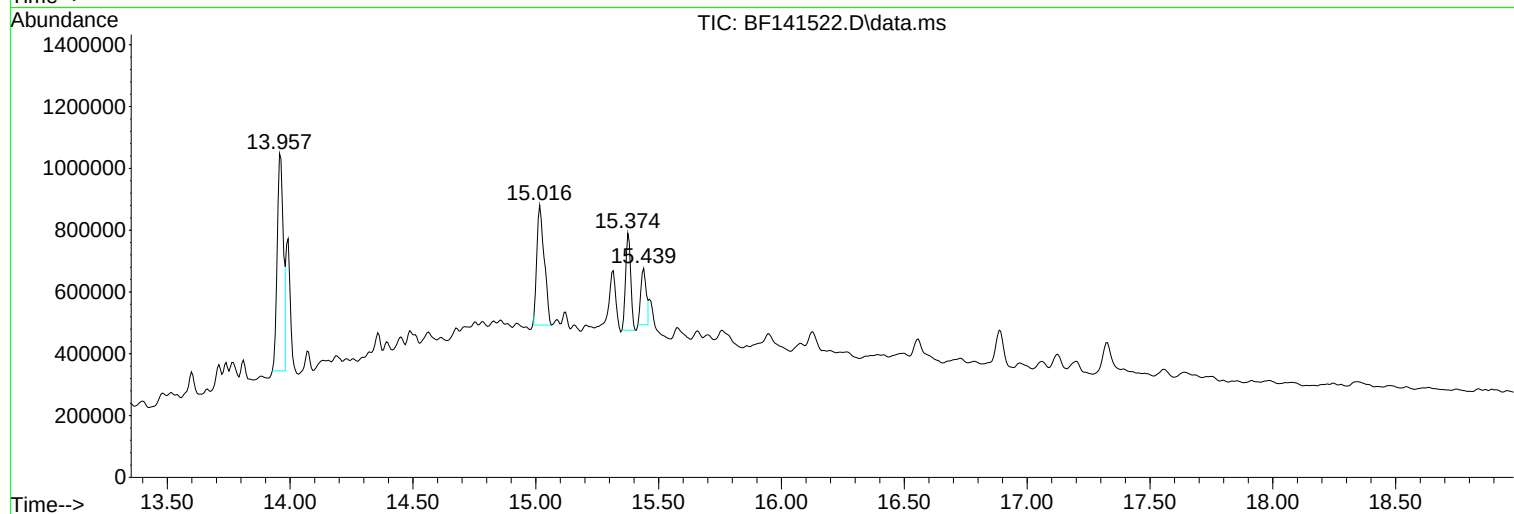
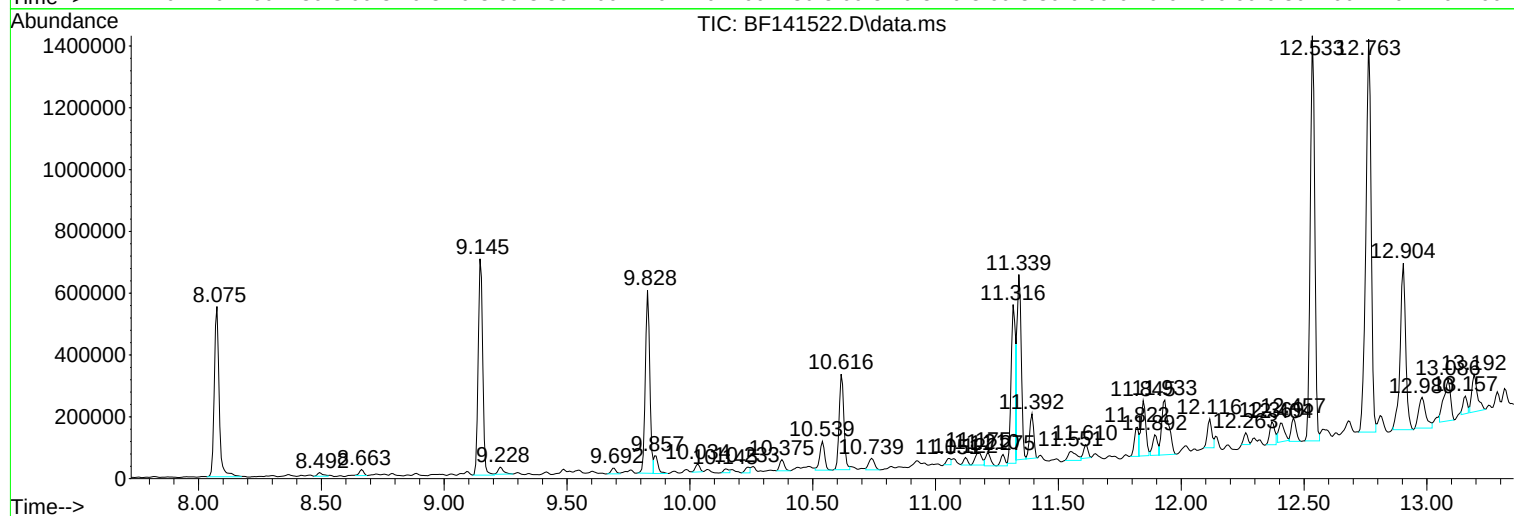
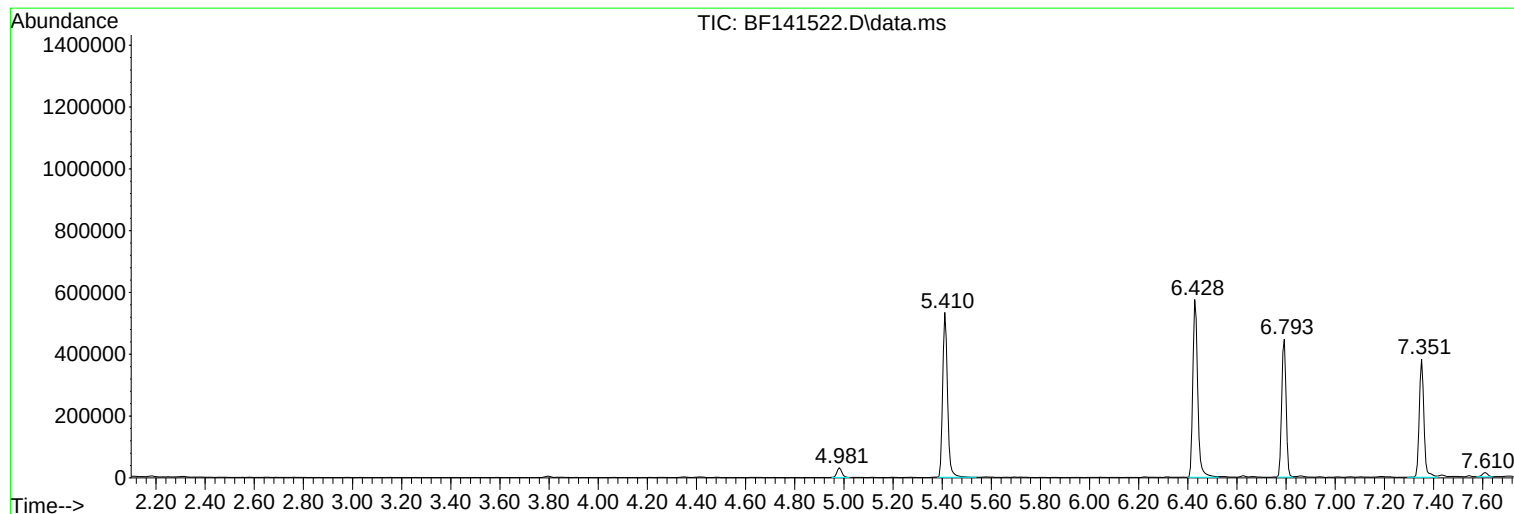
Sum of corrected areas: 17100521

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

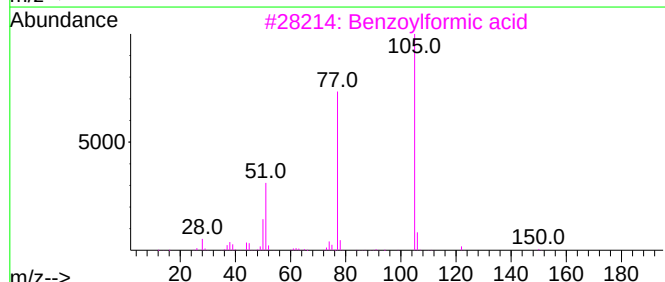
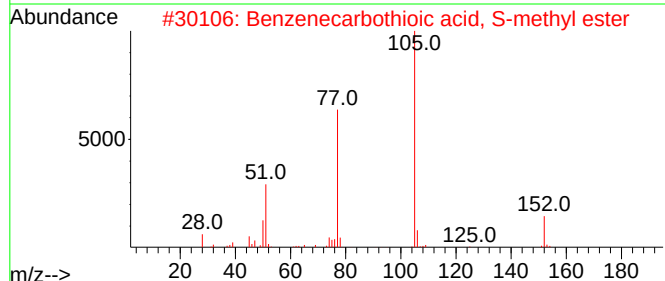
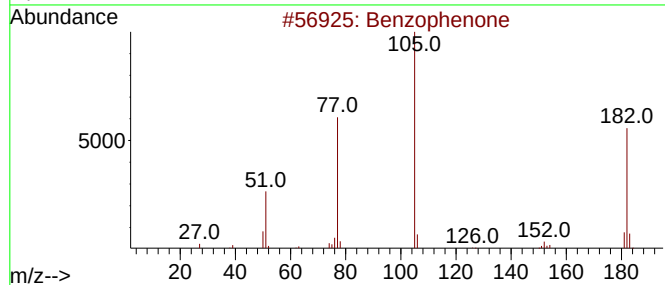
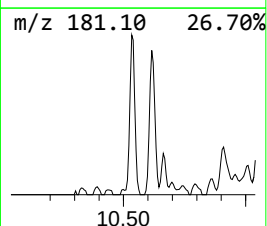
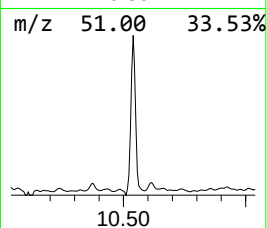
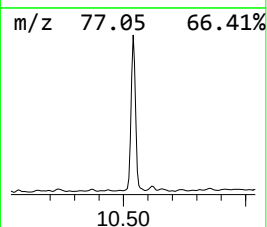
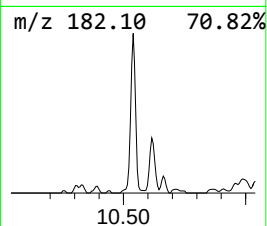
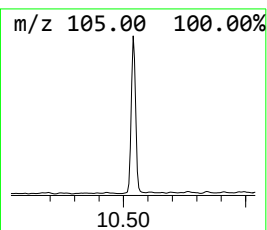
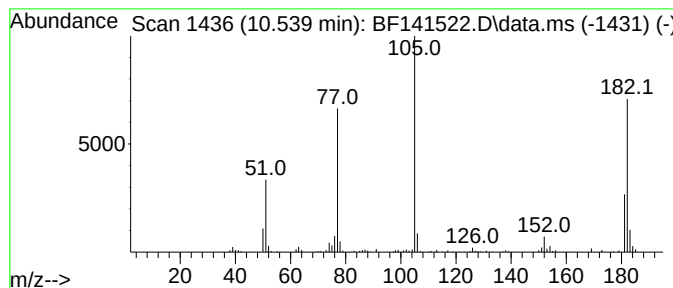
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	3.32 ng	125518	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	95
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46
3			Benzoylformic acid	150	C8H6O3	000611-73-4	43
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	43
5			2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

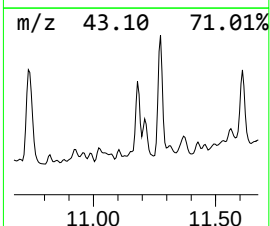
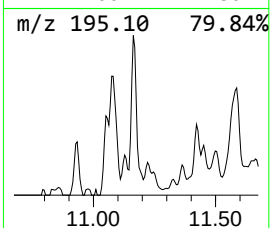
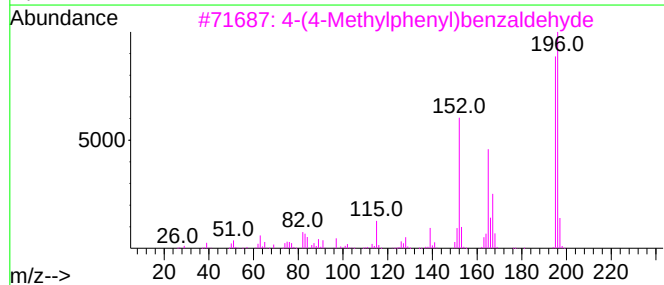
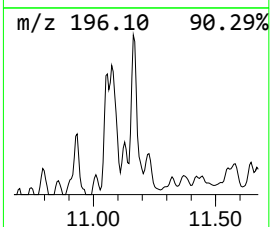
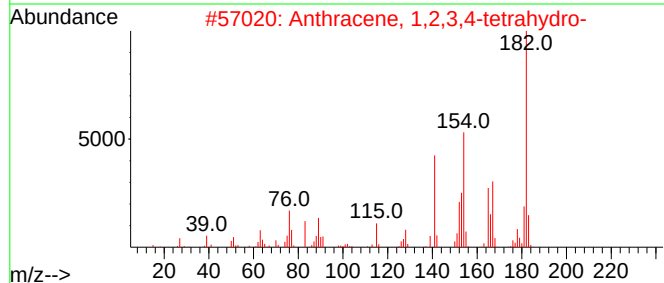
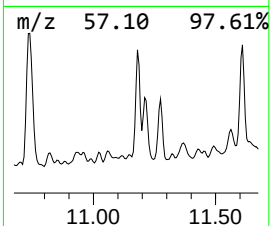
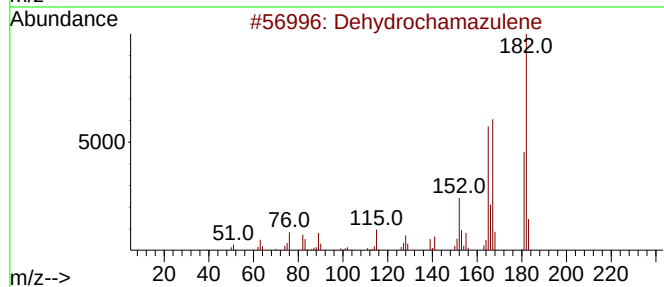
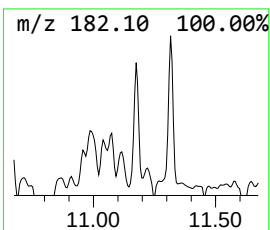
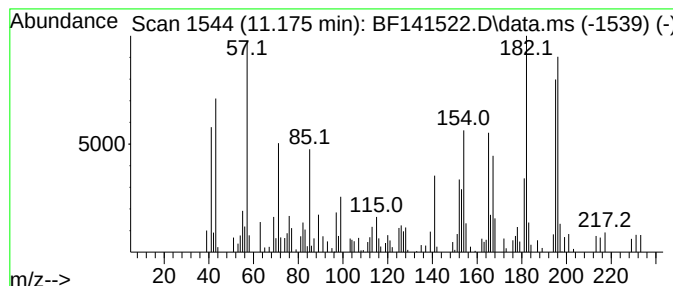
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Dehydrochamazulene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	2.29 ng	78223	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dehydrochamazulene	182	C14H14	321732-25-6	66
2			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
3			4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	46
4			8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
5			Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

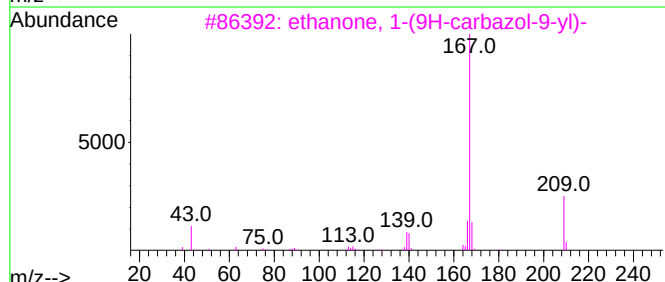
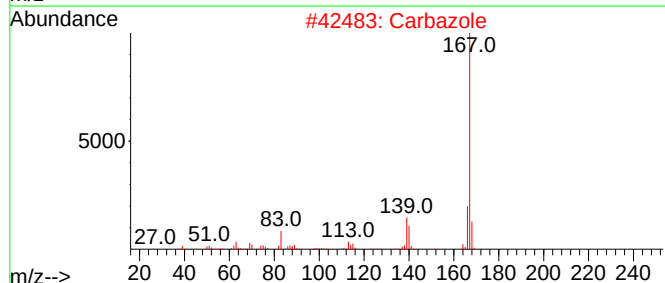
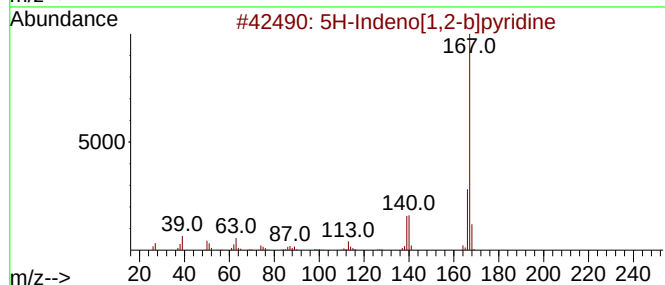
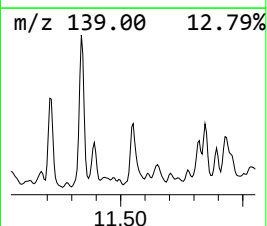
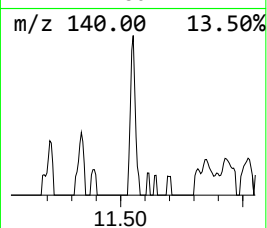
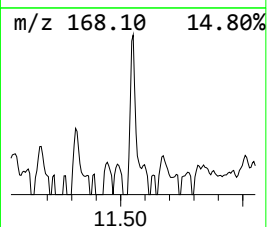
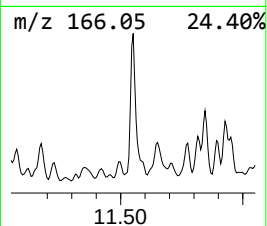
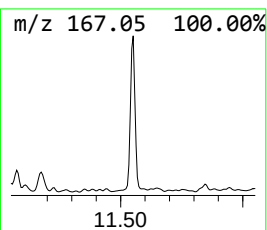
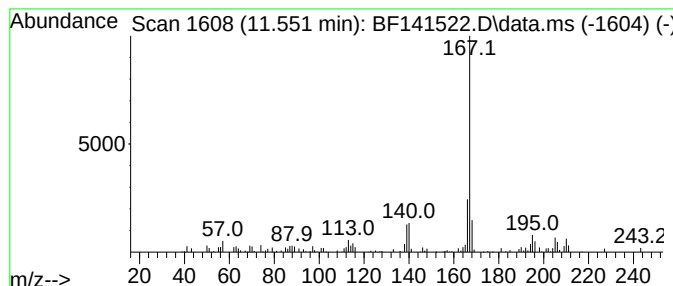
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 5H-Indeno[1,2-b]pyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.551	2.06 ng	70313	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
2			Carbazole	167	C12H9N	000086-74-8	81
3			ethanone, 1-(9H-carbazol-9-yl)-	209	C14H11NO	1000400-59-5	76
4			9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	72
5			9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

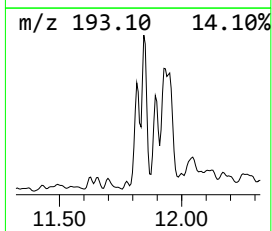
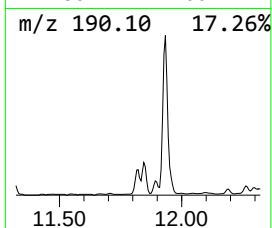
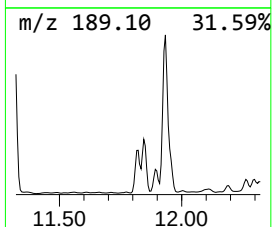
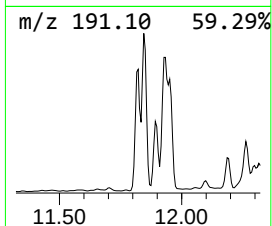
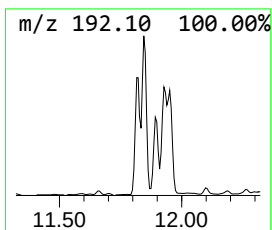
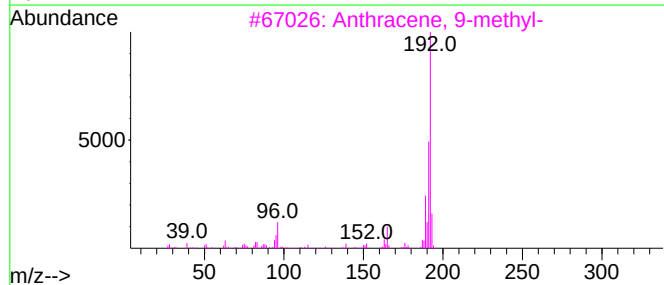
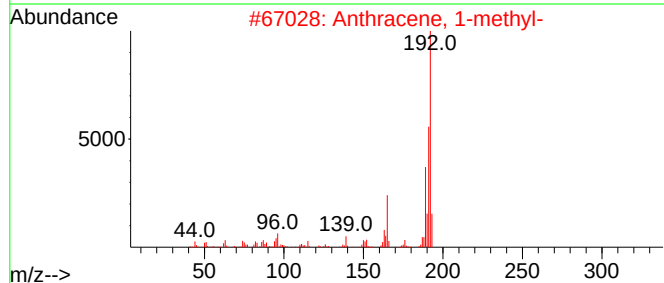
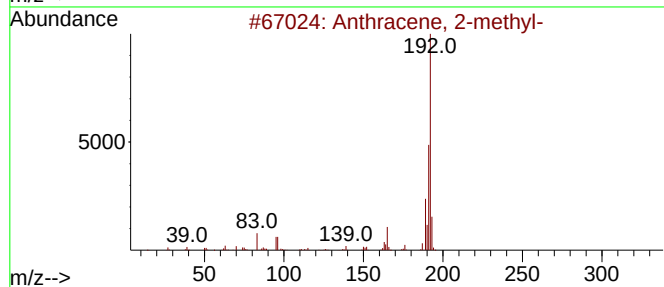
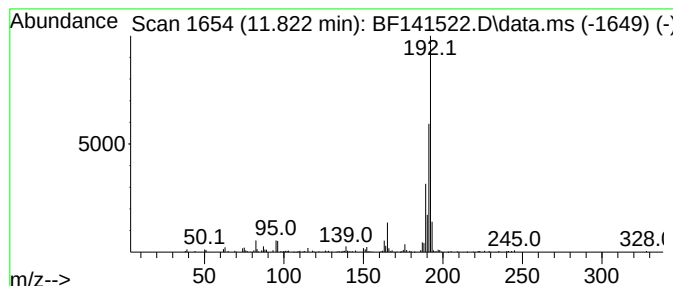
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.822	3.53 ng	120662	Phenanthrene-d10			11.316
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-		192	C15H12	000610-48-0	94
3	Anthracene, 9-methyl-		192	C15H12	000779-02-2	93
4	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	93
5	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
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Operator : RC/JU
Sample : Q1235-07 2X
Misc :
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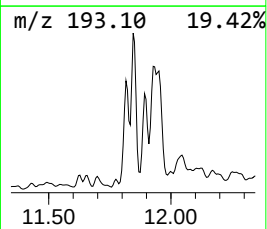
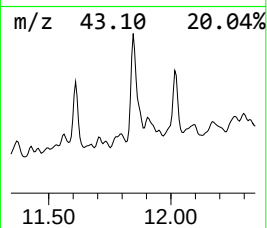
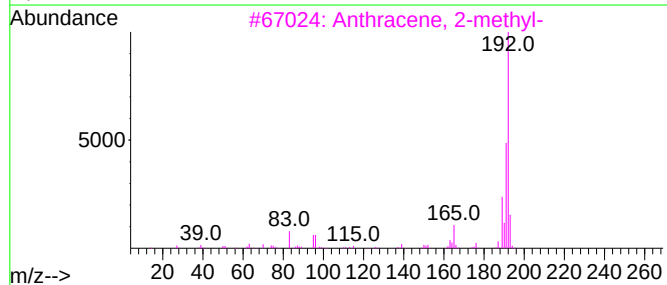
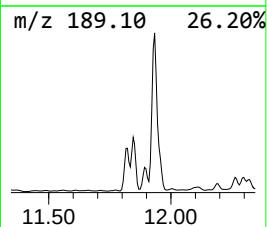
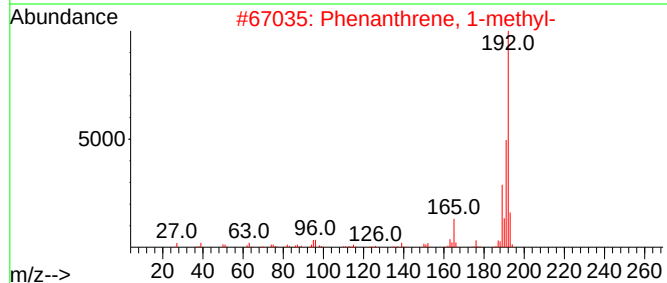
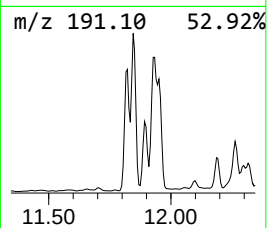
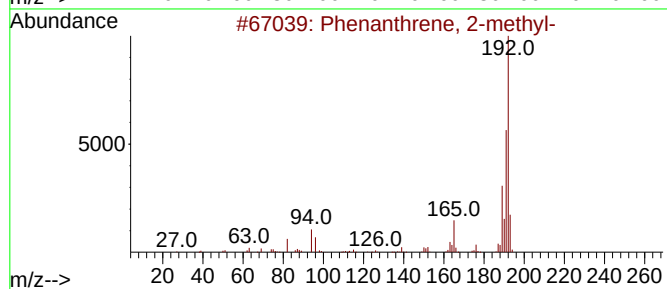
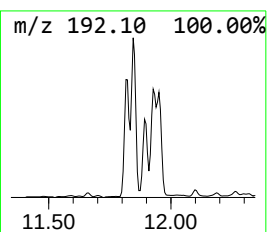
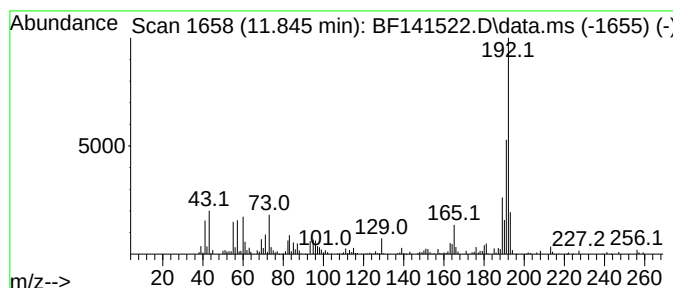
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.845	6.94 ng	237255	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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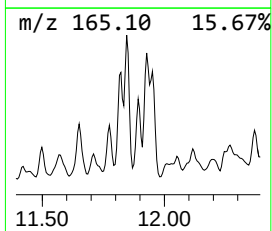
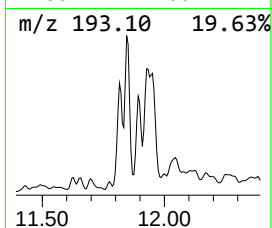
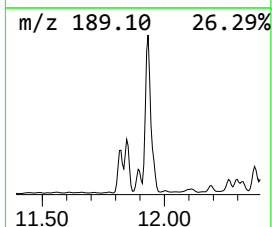
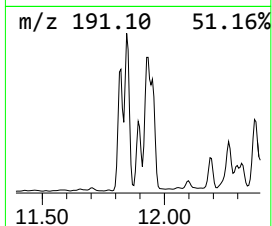
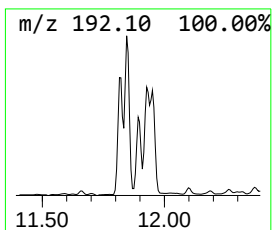
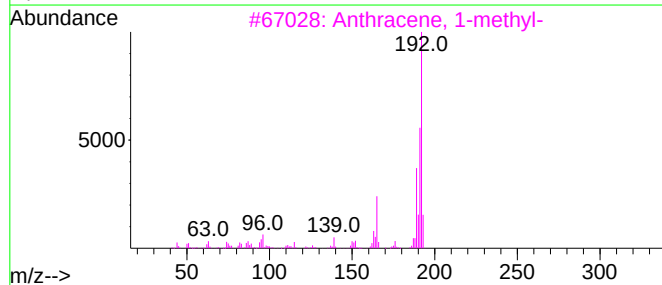
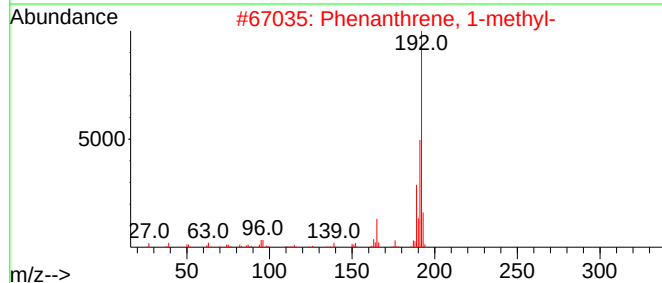
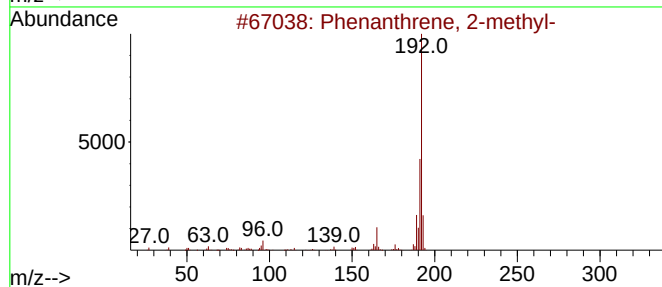
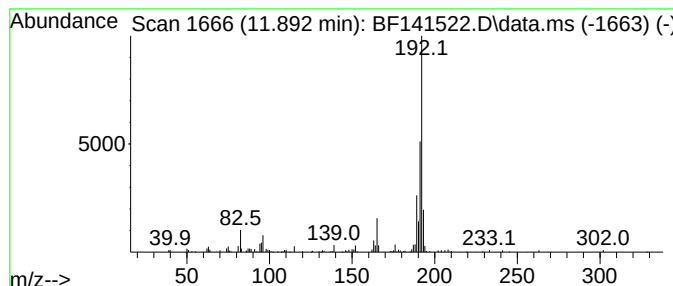
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	2.76 ng	94382	Phenanthrene-d10	11.316

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Sample : Q1235-07 2X
Misc :
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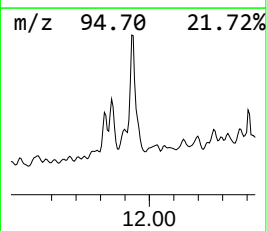
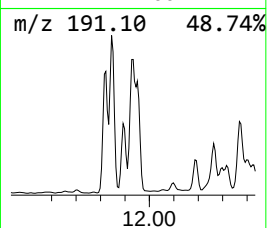
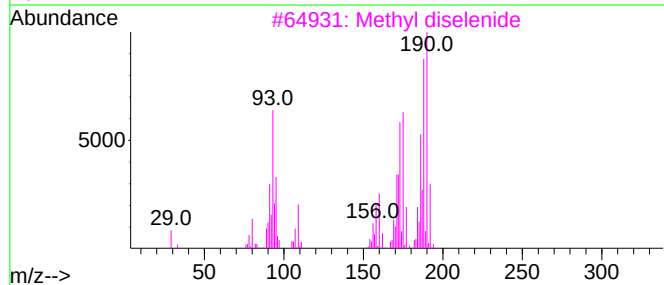
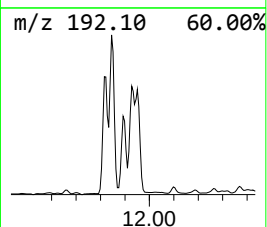
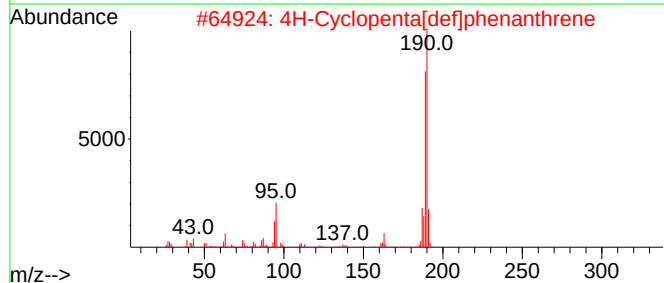
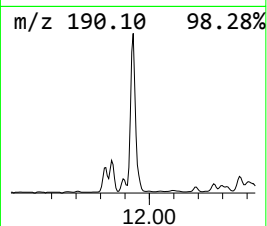
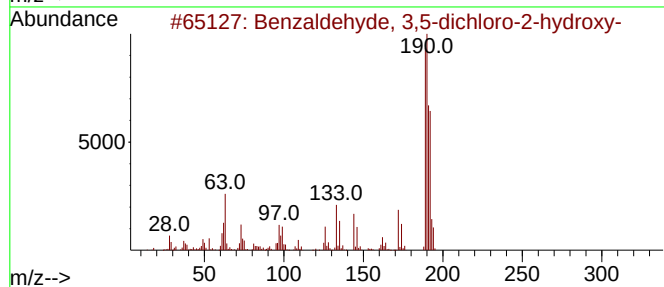
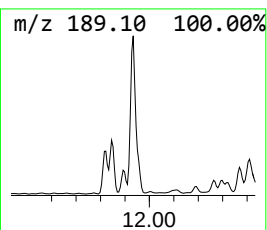
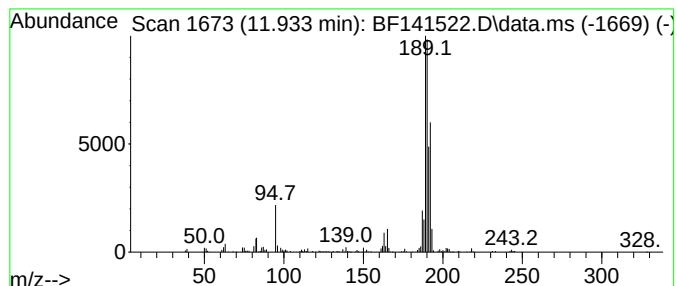
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.933	9.99 ng	341613	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...		190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	64
3	Methyl diselenide		190	C2H6Se2	007101-31-7	38
4	Naphtho[1,2-b]norbornadiene		192	C15H12	1000210-14-8	38
5	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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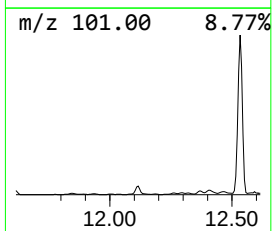
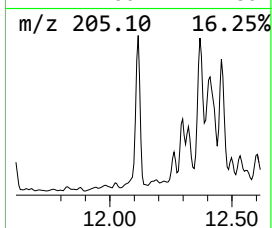
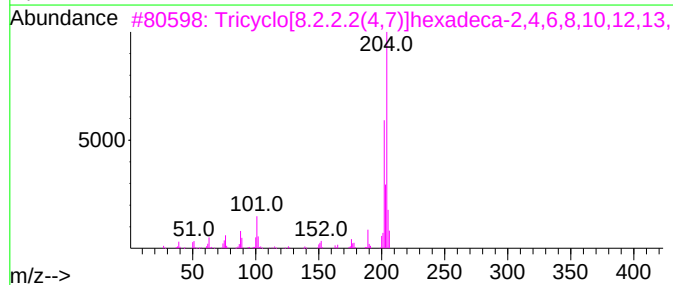
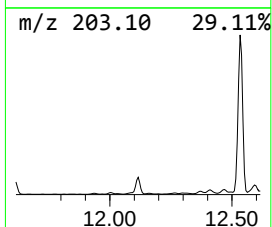
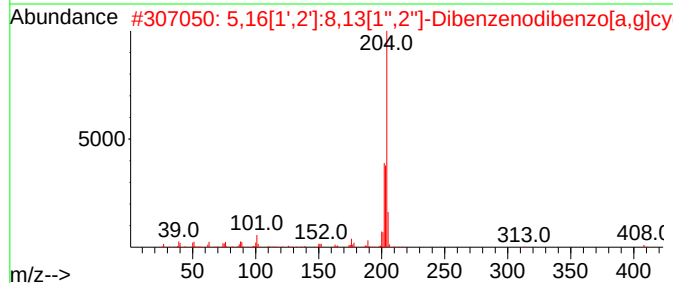
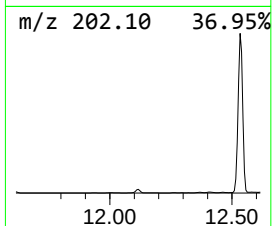
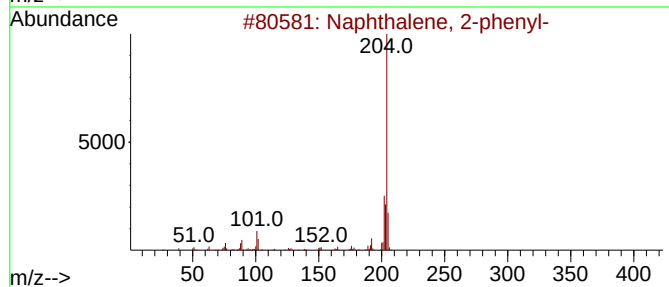
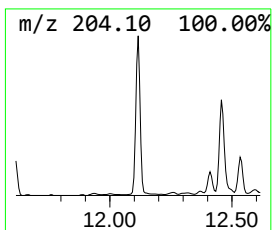
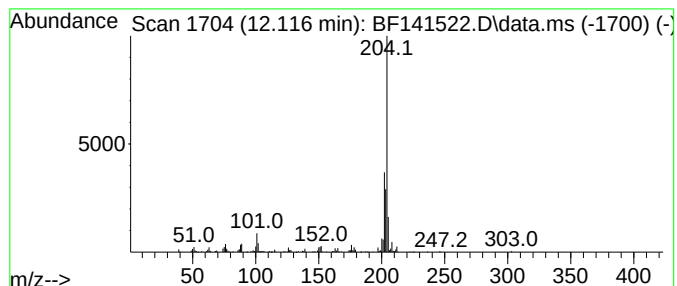
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	3.58 ng	122341	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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ALS Vial : 18 Sample Multiplier: 1

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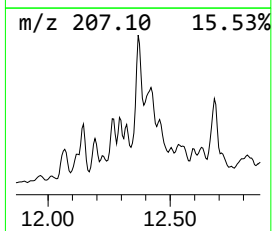
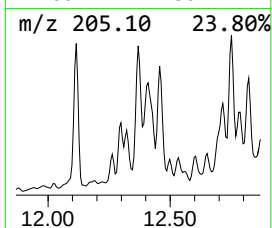
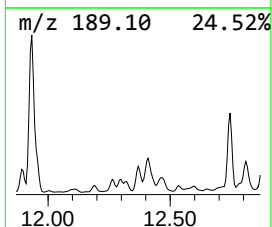
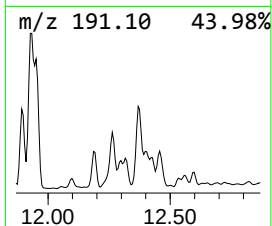
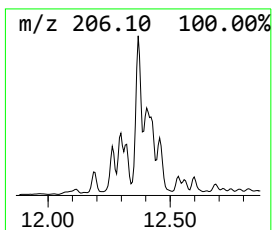
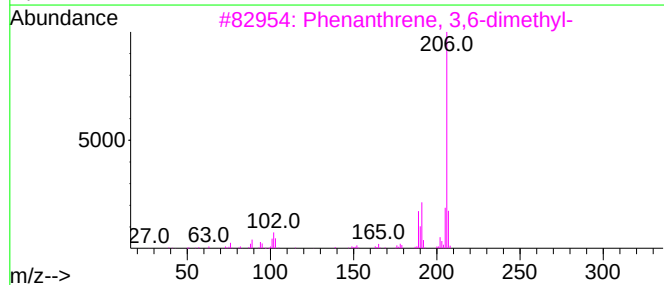
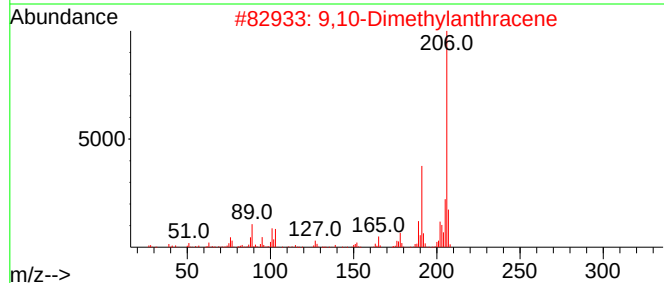
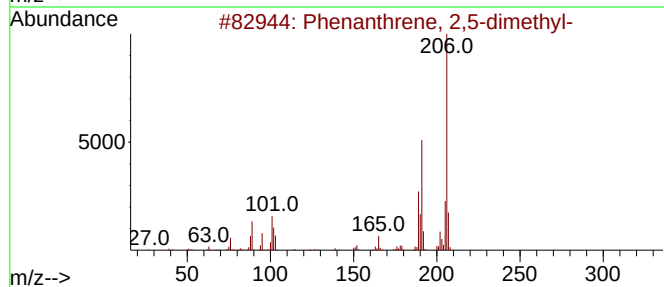
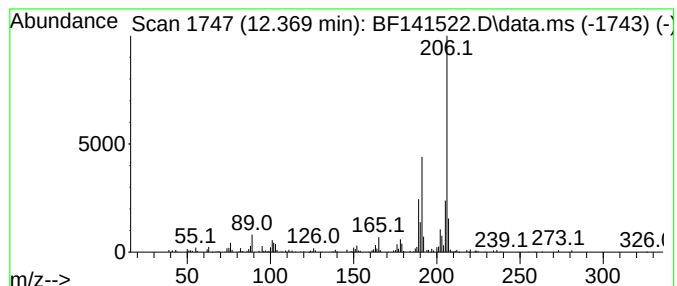
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	3.20 ng	109301	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

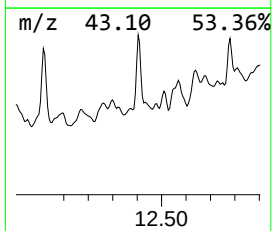
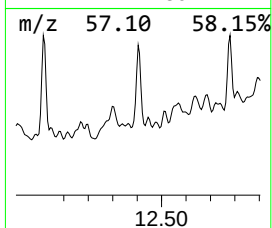
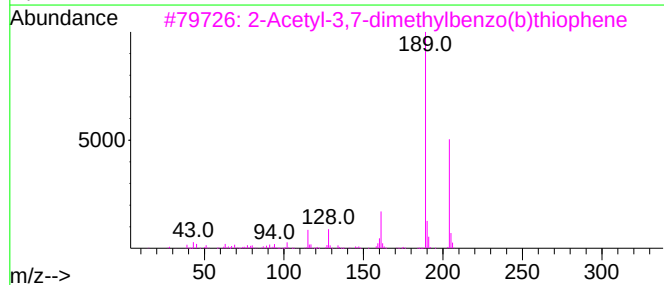
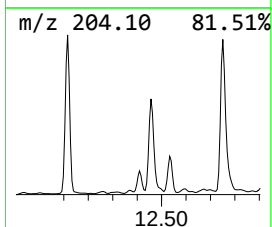
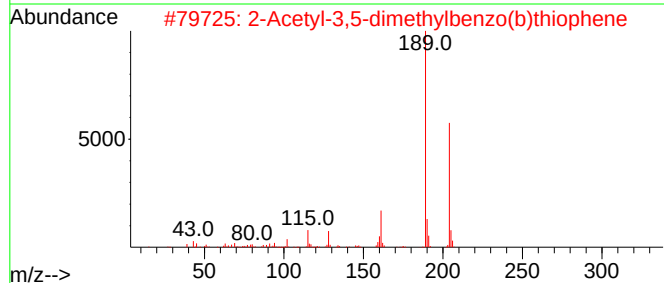
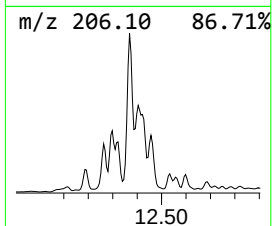
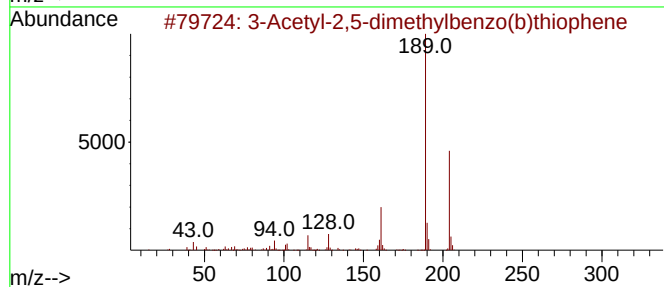
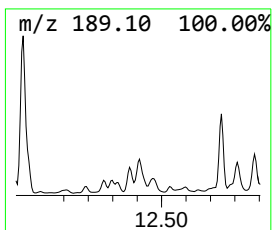
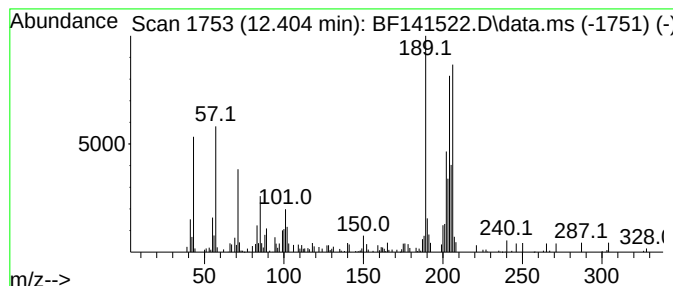
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.404 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.79 ng	95422	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	30	
2	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	27	
3	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	27	
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25	
5	m-Trifluoromethoxybenzoic acid	206	C8H5F3O3	001014-81-9	25	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

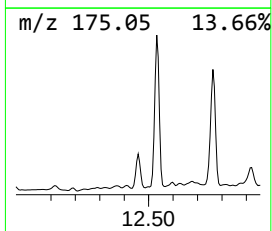
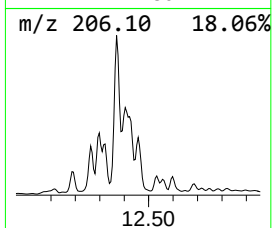
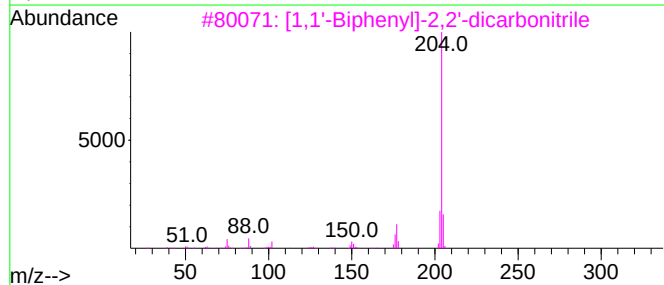
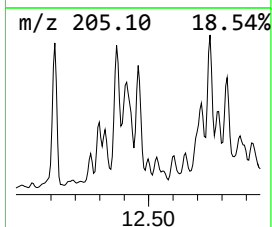
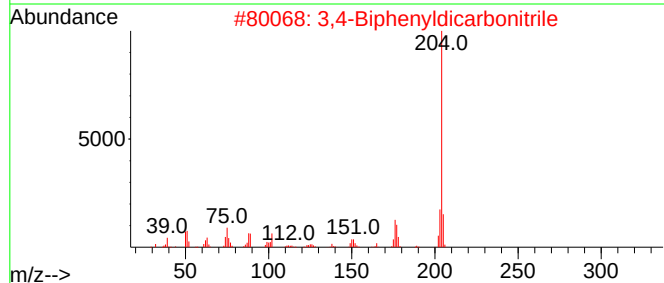
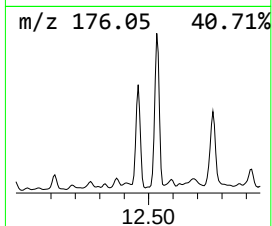
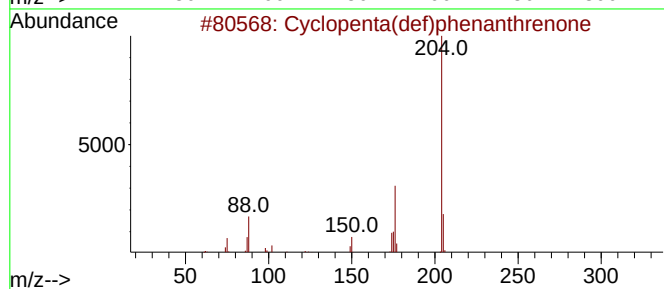
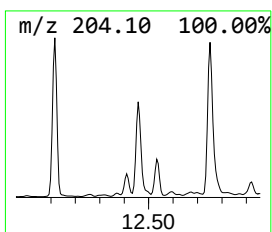
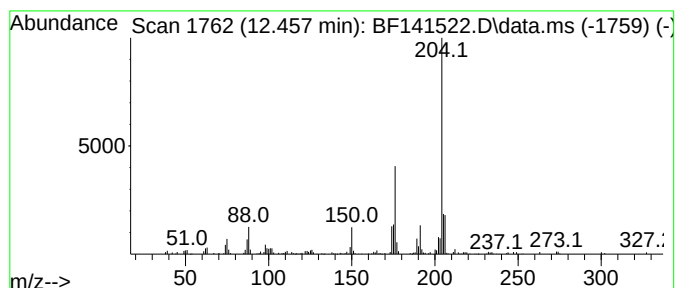
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.457	2.94 ng	100721	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

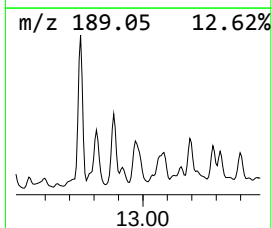
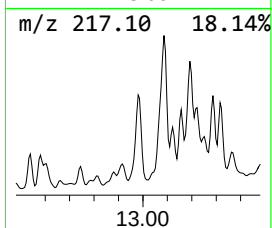
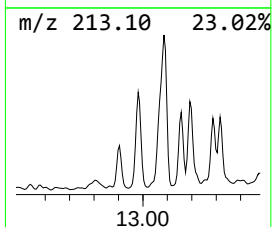
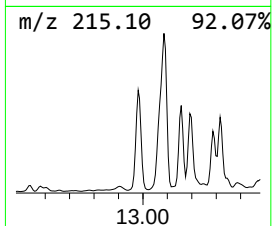
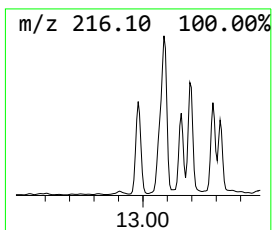
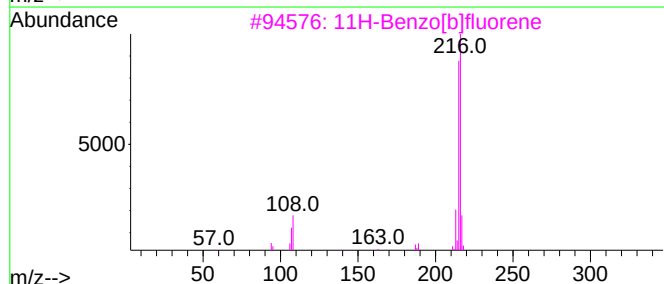
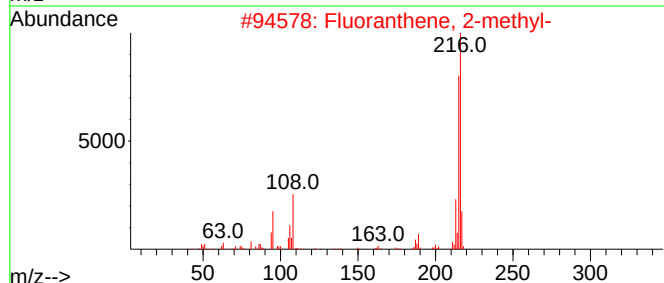
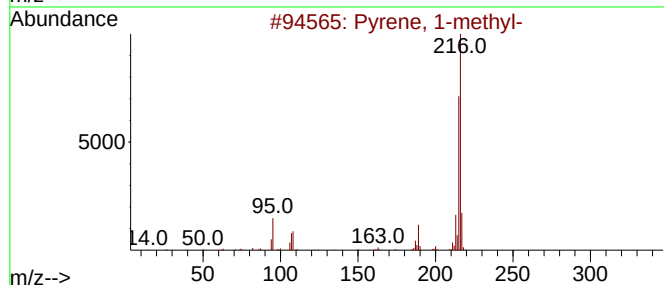
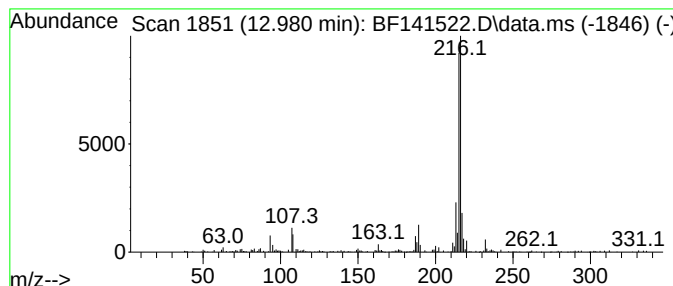
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	3.19 ng	203577	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

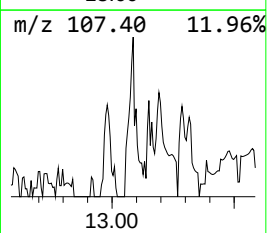
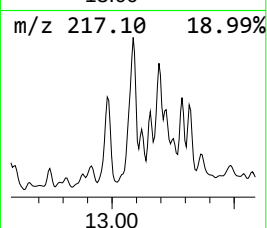
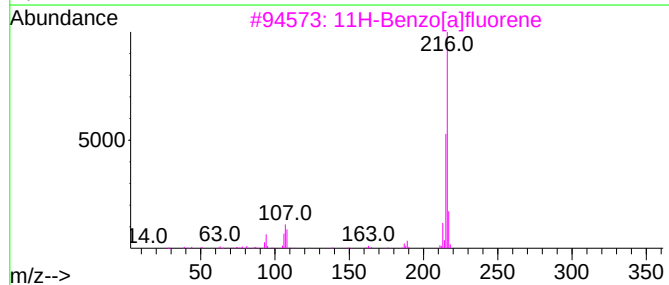
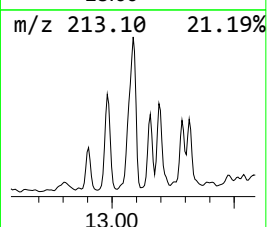
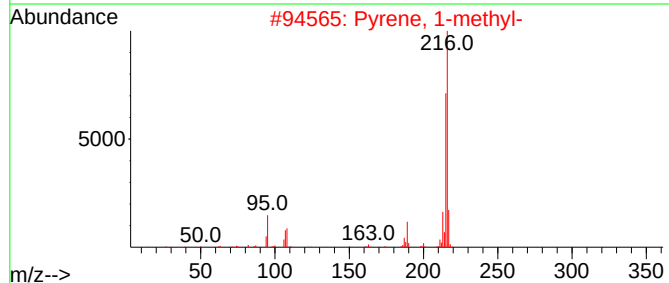
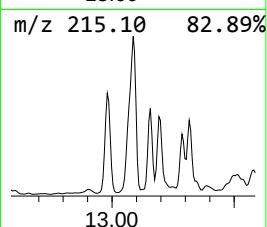
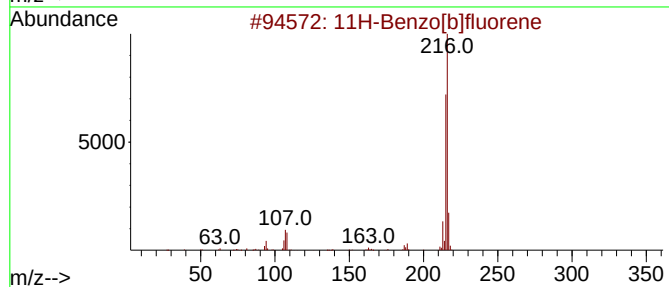
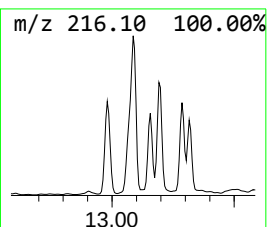
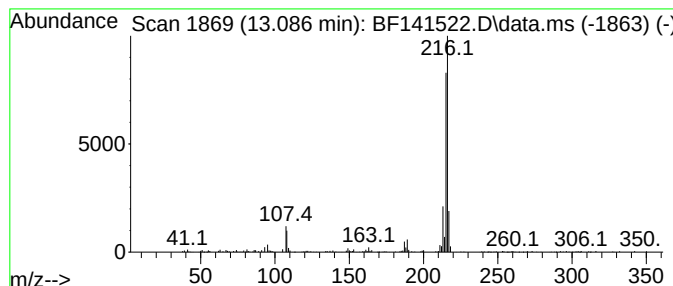
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	3.99 ng	254824	Chrysene-d12	13.963

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

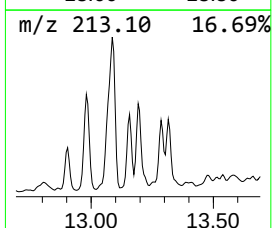
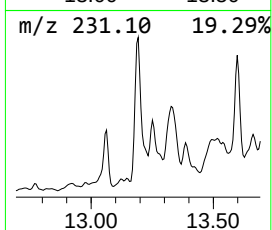
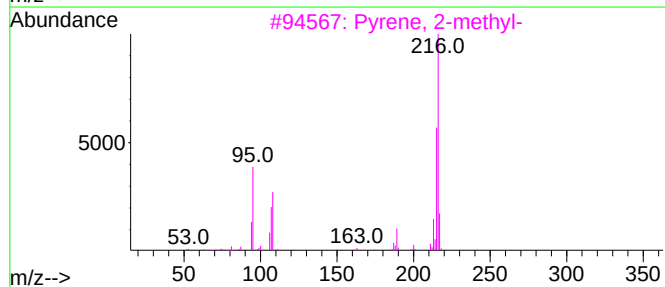
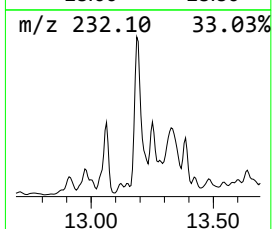
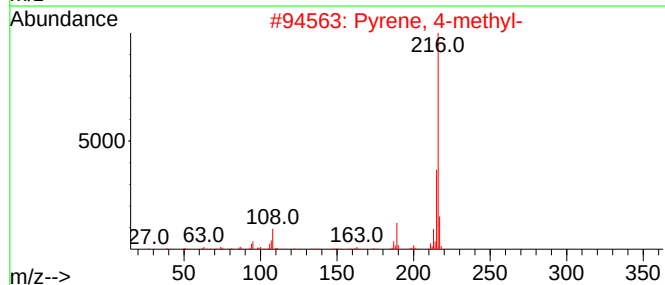
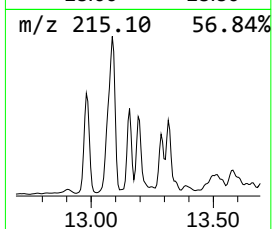
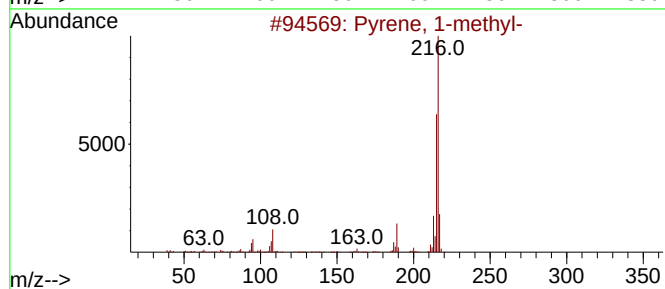
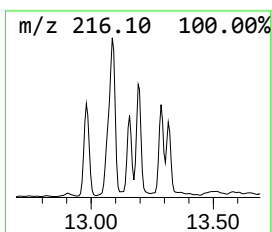
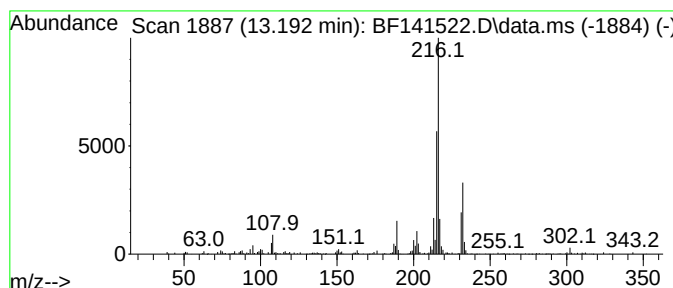
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	2.96 ng	189188	Chrysene-d12	13.963

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
Acq On : 07 Feb 2025 21:40
Operator : RC/JU
Sample : Q1235-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.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
Benzophenone	10.539	3.3	ng	125518	3	9.828	756289	20.0
Dehydrochamazulene	11.175	2.3	ng	78223	4	11.316	684013	20.0
5H-Indeno[1,2-b...	11.551	2.1	ng	70313	4	11.316	684013	20.0
Anthracene, 2-m...	11.822	3.5	ng	120662	4	11.316	684013	20.0
Phenanthrene, 2...	11.845	6.9	ng	237255	4	11.316	684013	20.0
Phenanthrene, 1...	11.892	2.8	ng	94382	4	11.316	684013	20.0
Benzaldehyde, 3...	11.933	10.0	ng	341613	4	11.316	684013	20.0
Naphthalene, 2-...	12.116	3.6	ng	122341	4	11.316	684013	20.0
Phenanthrene, 2...	12.369	3.2	ng	109301	4	11.316	684013	20.0
unknown12.404	12.404	2.8	ng	95422	4	11.316	684013	20.0
Cyclopenta(def)...	12.457	2.9	ng	100721	4	11.316	684013	20.0
Pyrene, 1-methyl-	12.980	3.2	ng	203577	5	13.963	1276360	20.0
11H-Benzo[b]flu...	13.086	4.0	ng	254824	5	13.963	1276360	20.0
Pyrene, 4-methyl-	13.192	3.0	ng	189188	5	13.963	1276360	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025
 Calibration Time(s): 10:30 17:05

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 29 17:41:25 2025
 Response Via : Initial Calibration

Calibration Files

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

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

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

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

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

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

(#) = Out of Range

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

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

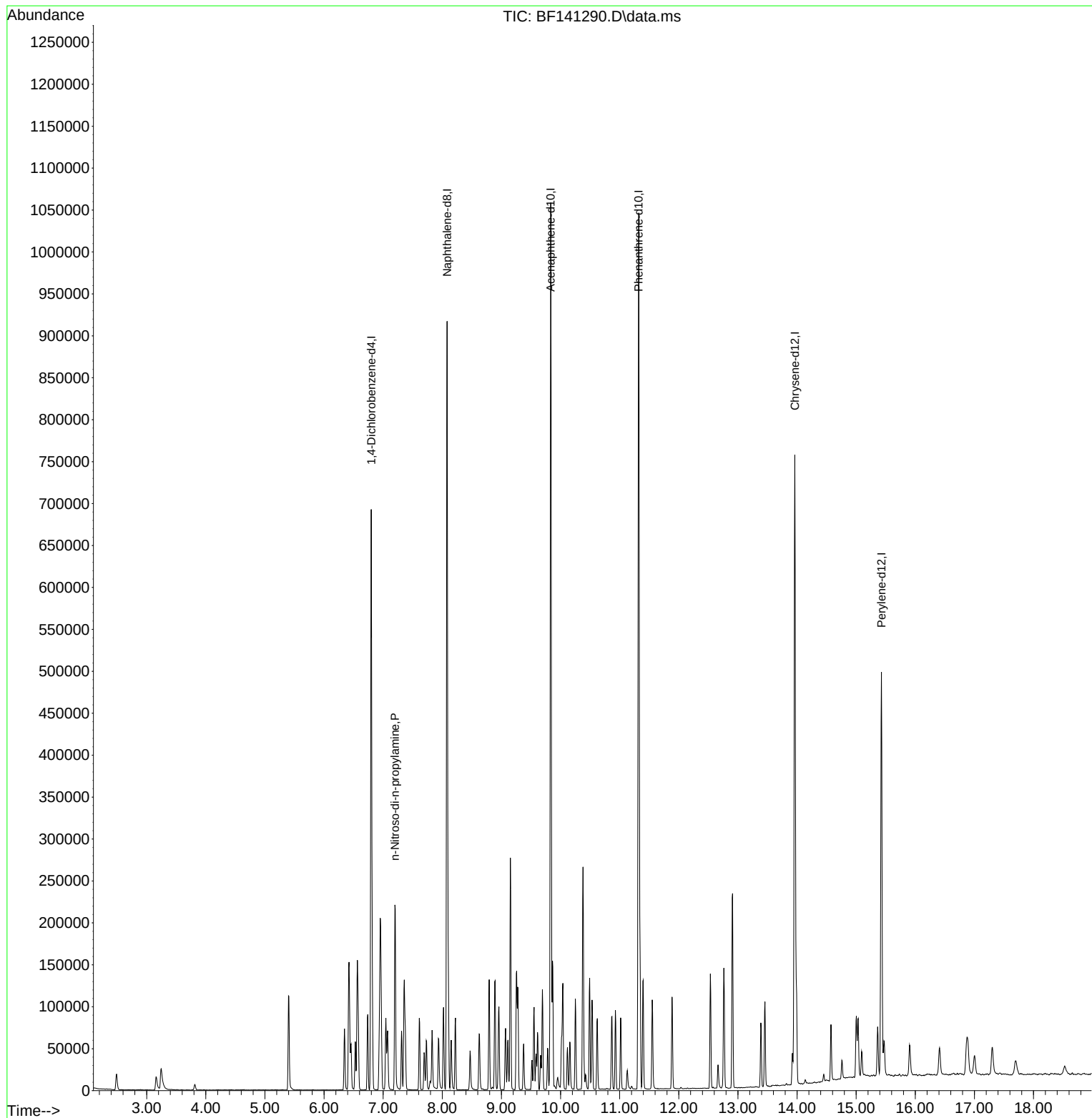
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.198	70	18566	2.764	ng	99

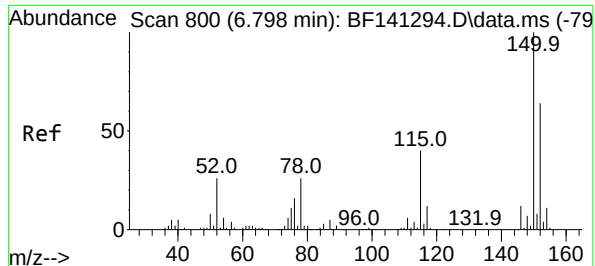
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

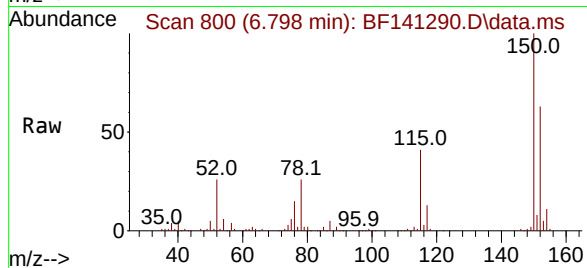
Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



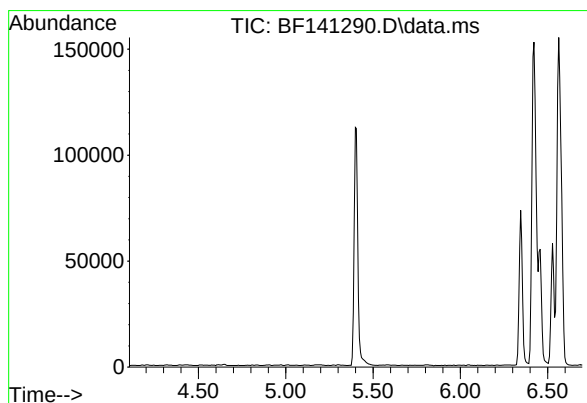
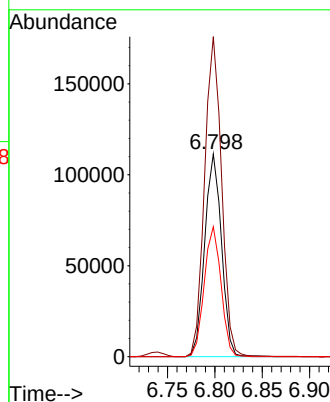
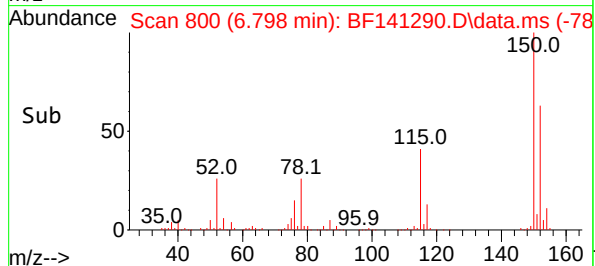


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



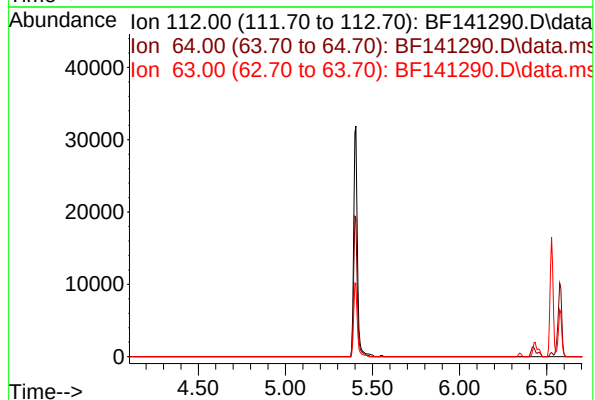
Tgt Ion:152 Resp: 137039
Ion Ratio Lower Upper
152 100
150 157.8 125.9 188.9
115 64.0 49.7 74.5

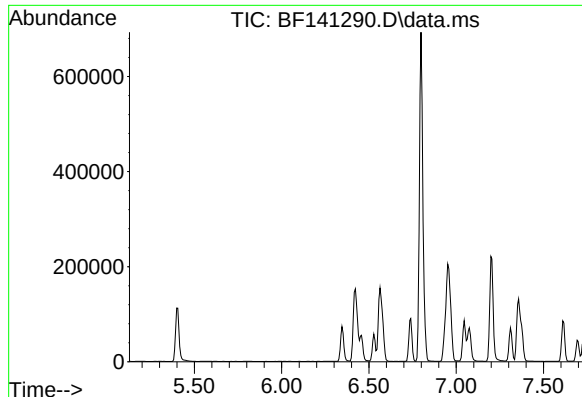


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

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

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





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.43 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5

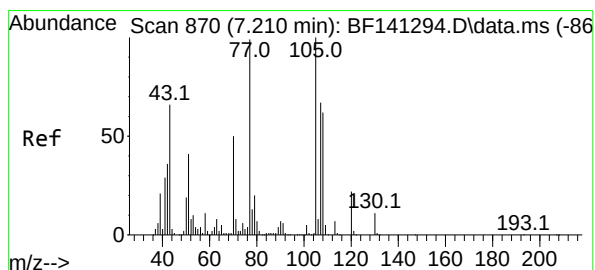
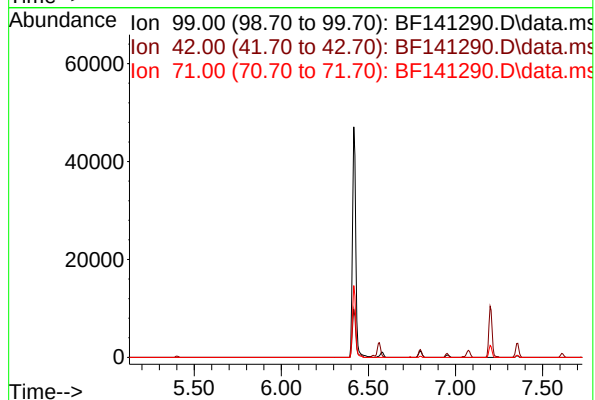
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 33.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.764 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

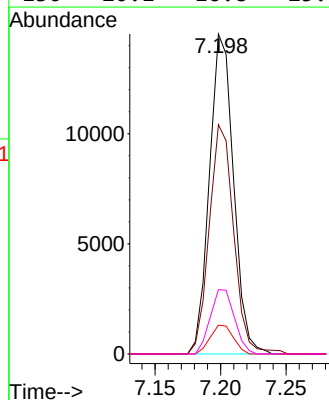
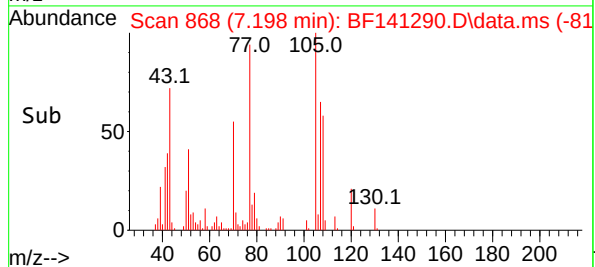
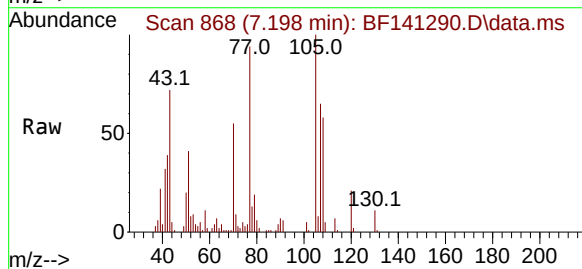
Ion Ratio Lower Upper

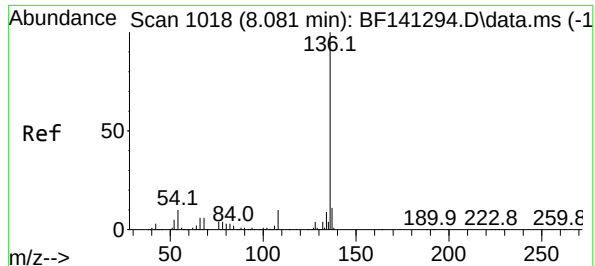
70 100

42 71.6 56.8 85.2

101 9.0 7.7 11.5

130 20.1 16.8 25.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141290.D

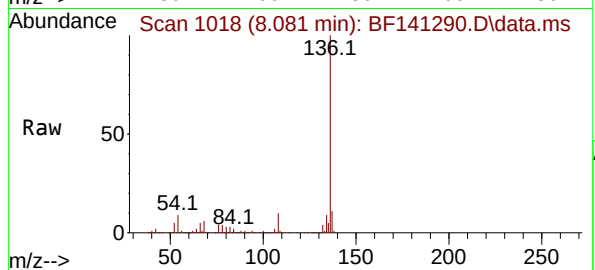
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 552749

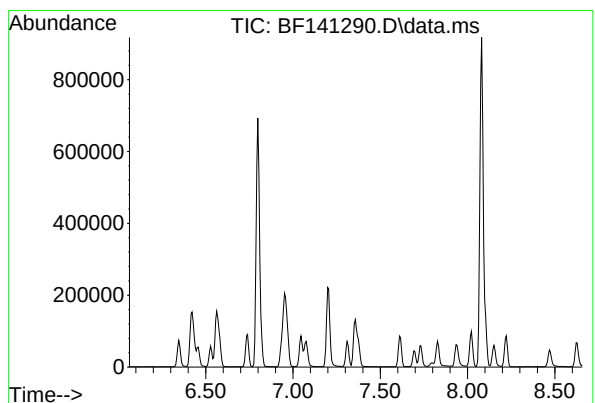
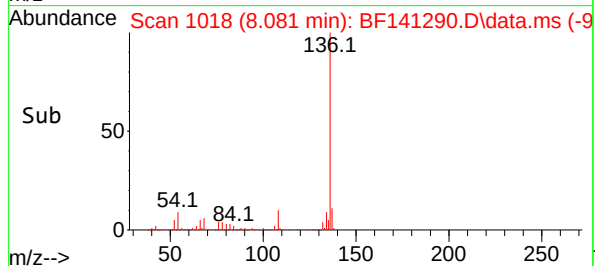
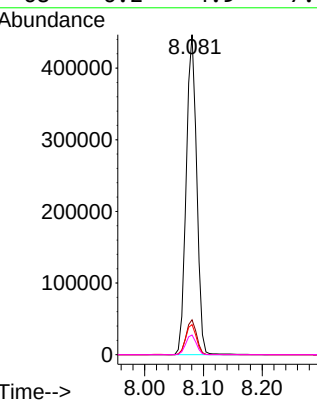
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.4 7.8 11.8

68 6.2 4.9 7.3



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

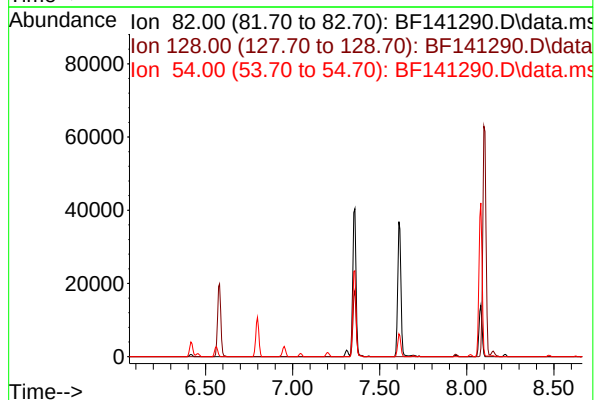
Tgt Ion: 82

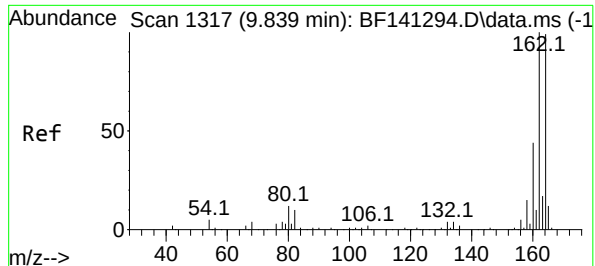
Sig Exp Ratio

82 100

128 44.6

54 58.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141290.D

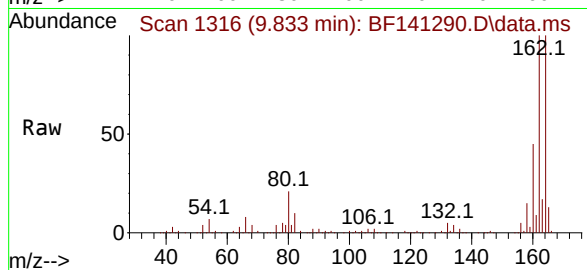
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



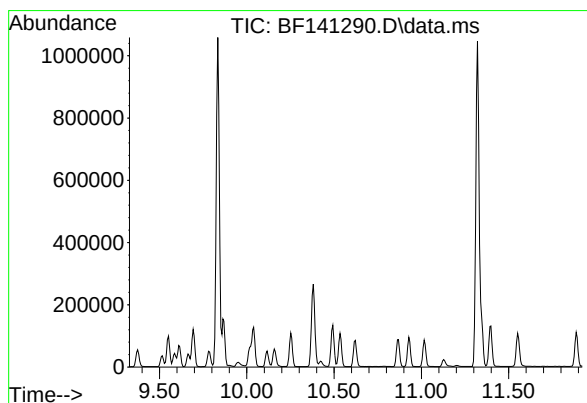
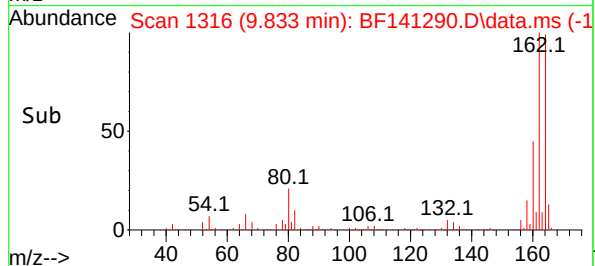
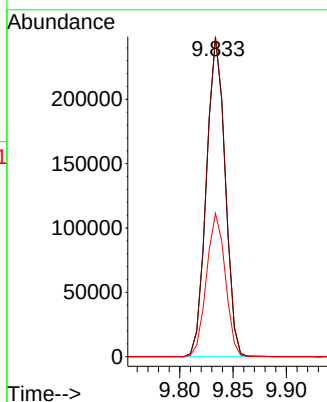
Tgt Ion:164 Resp: 301993

Ion Ratio Lower Upper

164 100

162 100.3 80.6 121.0

160 44.9 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.63 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

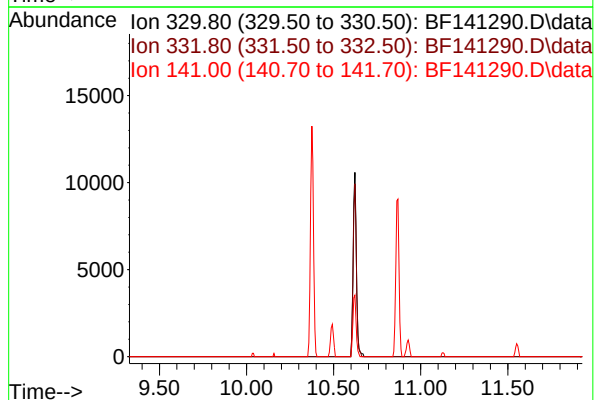
Tgt Ion: 330

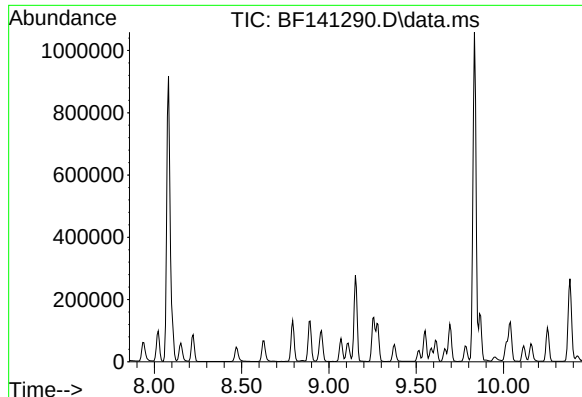
Sig Exp Ratio

330 100

332 95.1

141 36.0

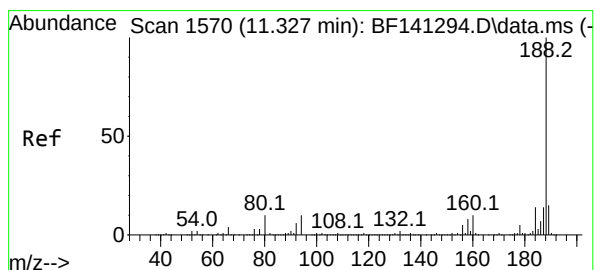
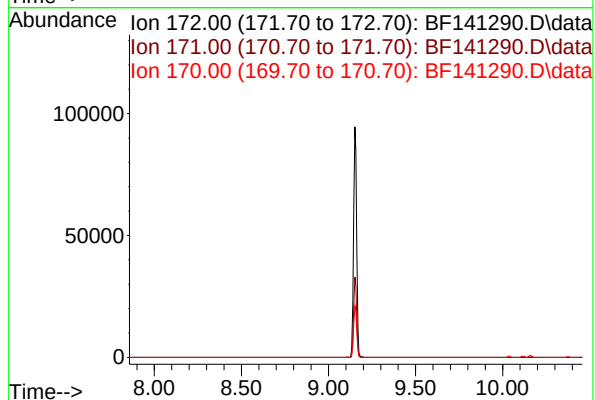




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

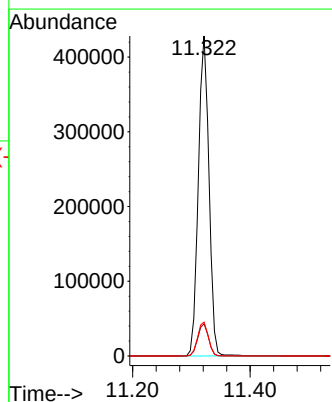
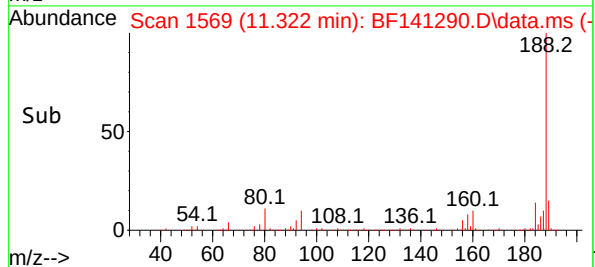
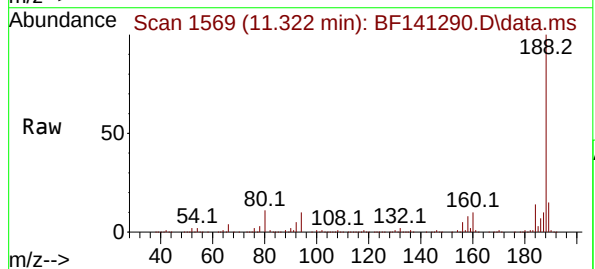
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

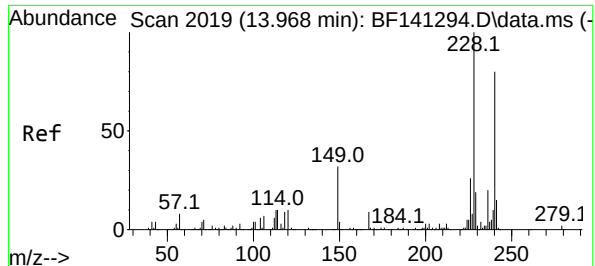
Tgt Ion: 172
Sig Exp Ratio
172 100
171 36.0
170 23.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 188 Resp: 536934
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.6 8.2 12.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141290.D

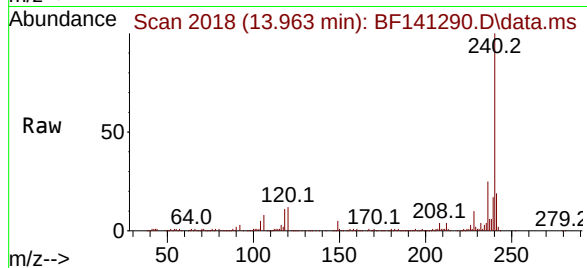
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



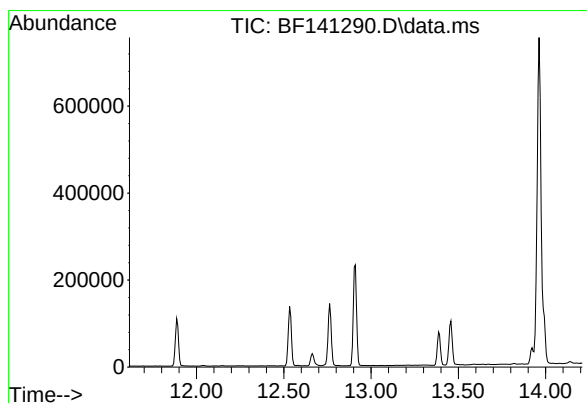
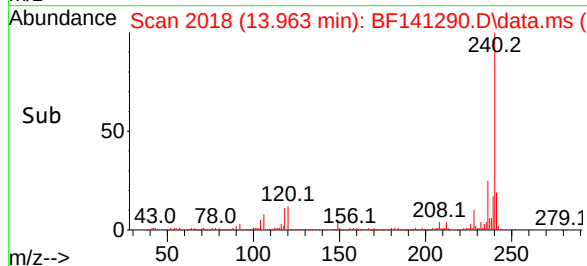
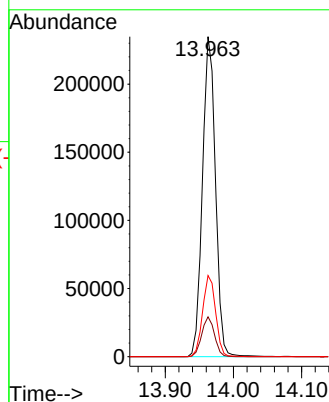
Tgt Ion:240 Resp: 311885

Ion Ratio Lower Upper

240 100

120 12.4 10.0 15.0

236 25.3 19.7 29.5



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 12.92 min

Lab File: BF141290.D

Acq: 29 Jan 2025 10:30

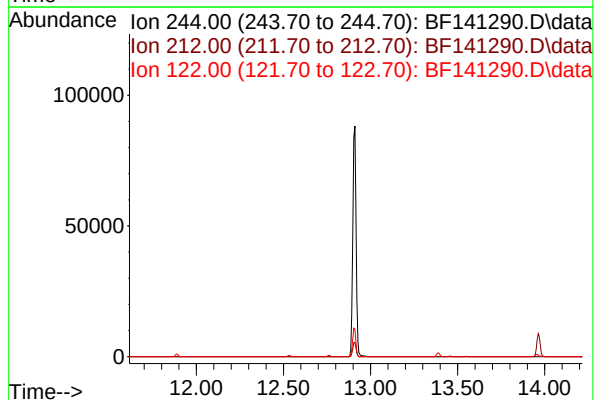
Tgt Ion: 244

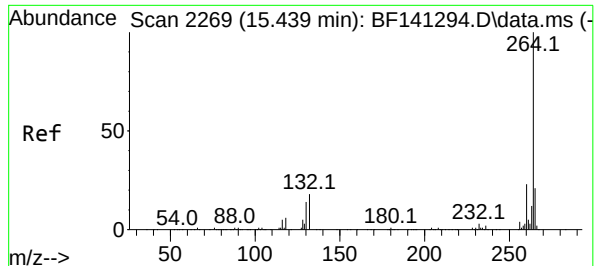
Sig Exp Ratio

244 100

212 6.7

122 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141290.D

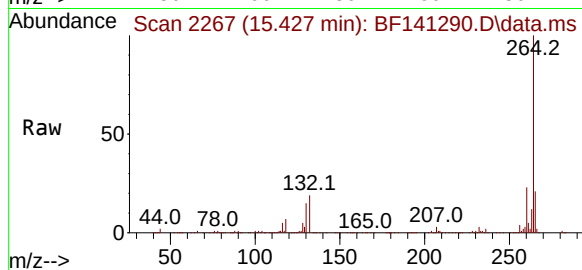
Acq: 29 Jan 2025 10:30

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



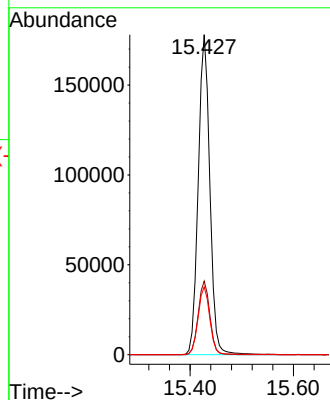
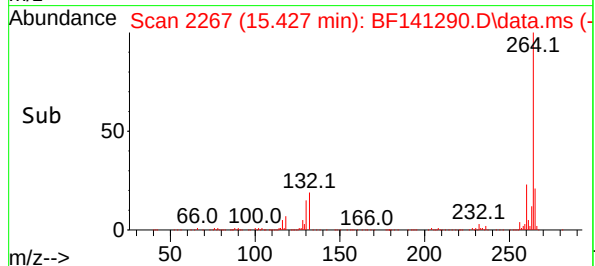
Tgt Ion:264 Resp: 276754

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.2 16.7 25.1



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

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

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

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

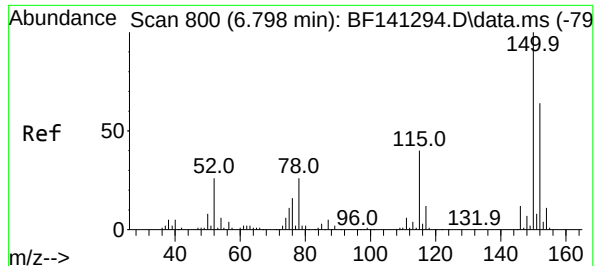
Quant Time: Jan 29 16:26:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

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

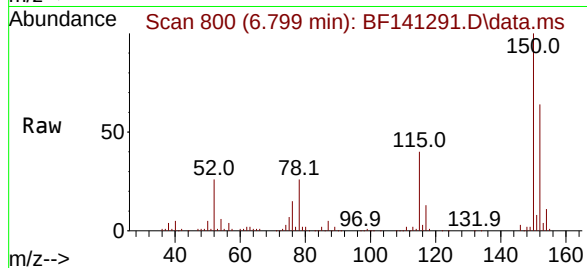
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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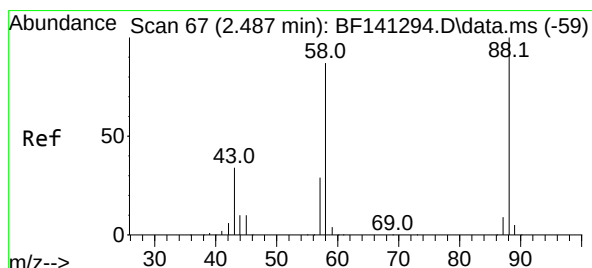
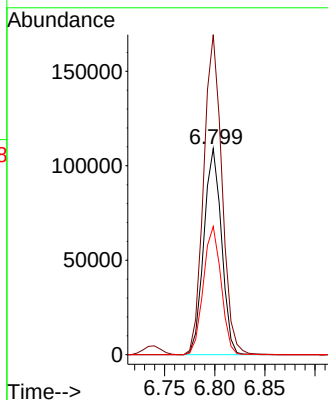
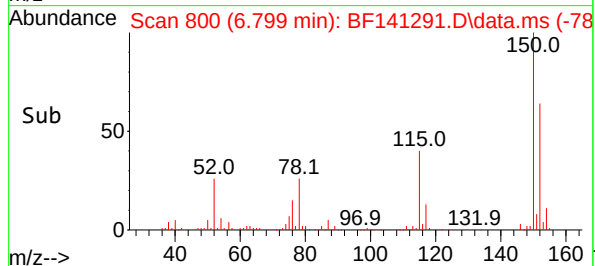


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

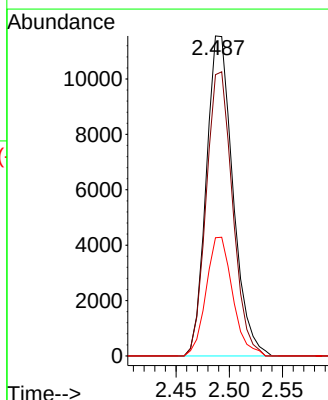
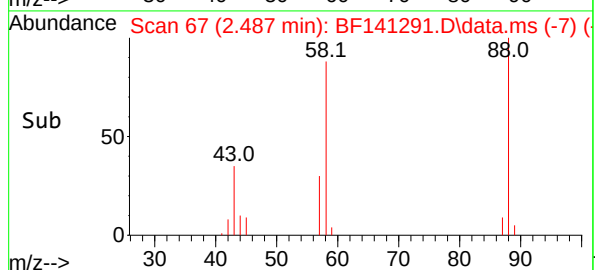
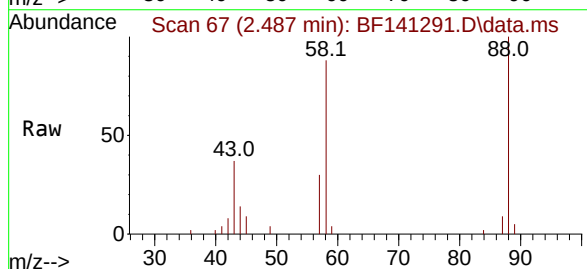


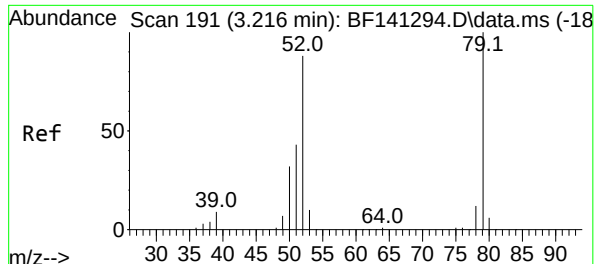
Tgt Ion:152 Resp: 134200
Ion Ratio Lower Upper
152 100
150 155.3 125.9 188.9
115 62.2 49.7 74.5



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

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

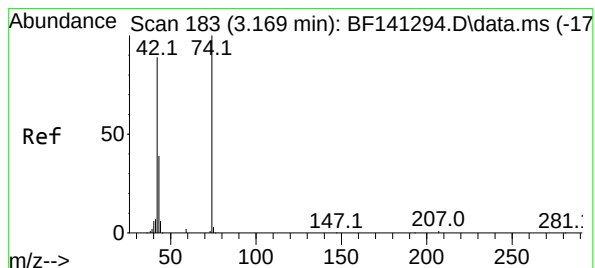
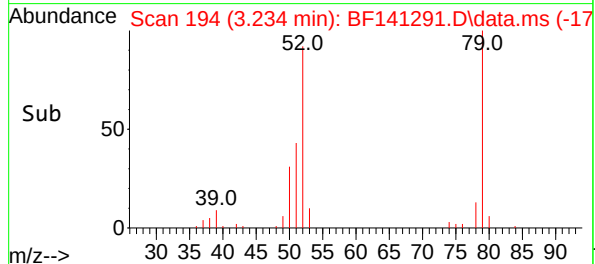
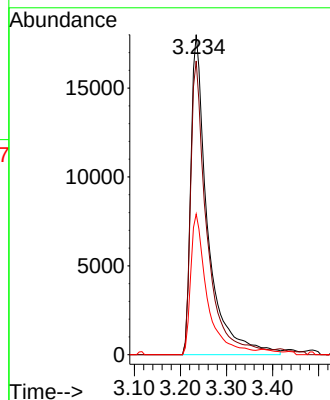
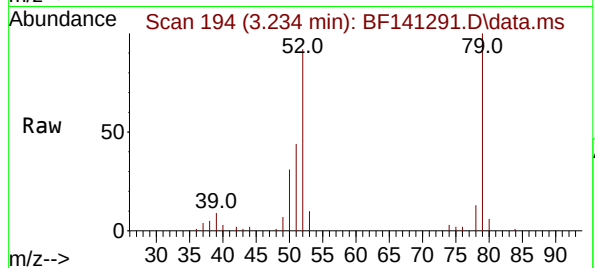




#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 191
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

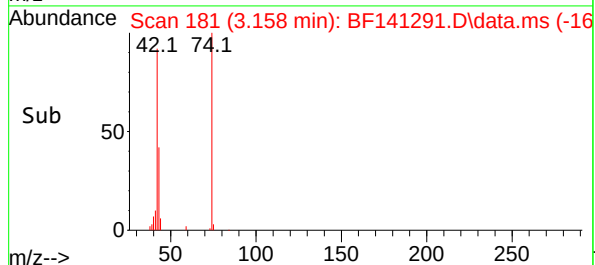
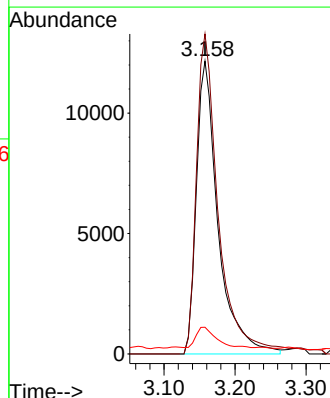
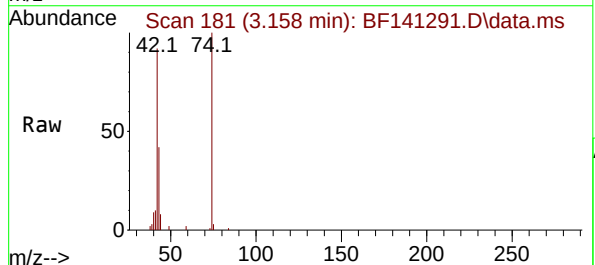
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

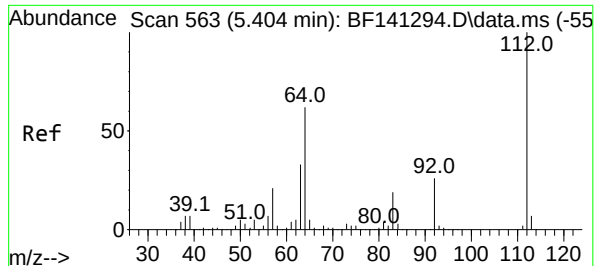
Tgt Ion: 79 Resp: 45762
Ion Ratio Lower Upper
79 100
52 91.8 70.3 105.5
51 43.9 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819
Ion Ratio Lower Upper
42 100
74 109.3 90.3 135.5
44 9.1 5.7 8.5

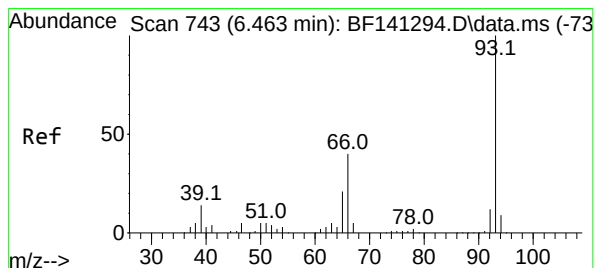
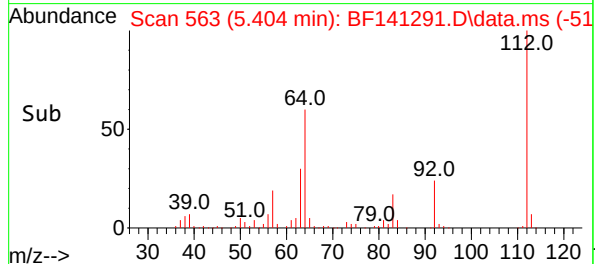
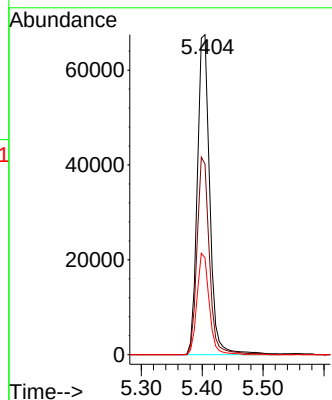
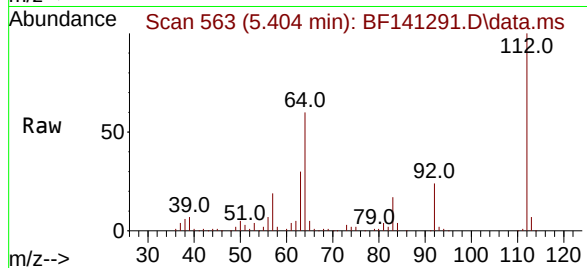




#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

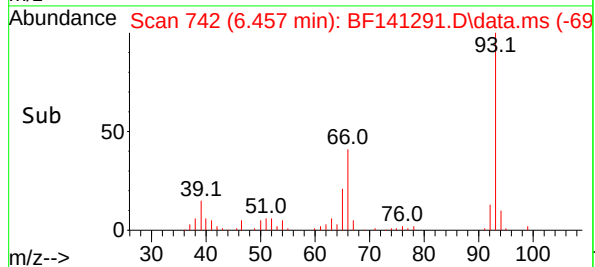
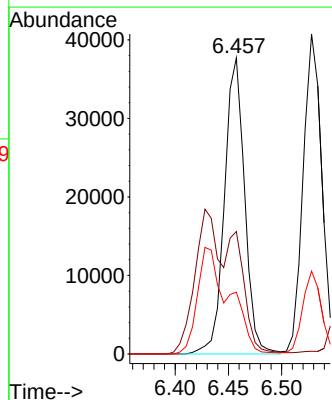
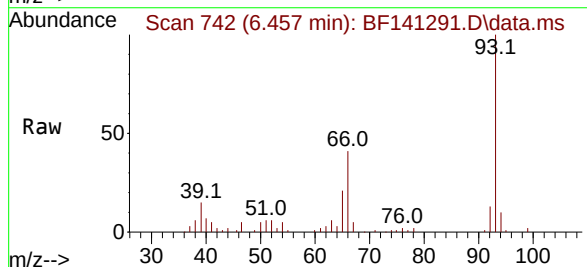
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

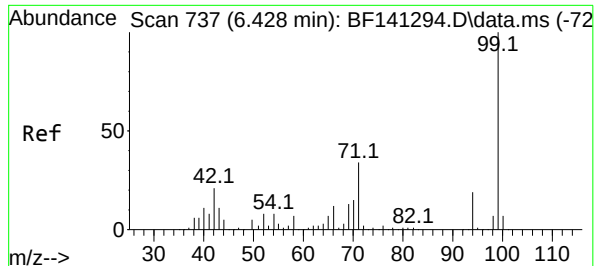
Tgt Ion:112 Resp: 95839
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 30.2 26.1 39.1



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

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





#7

Phenol-d6

Concen: 11.172 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

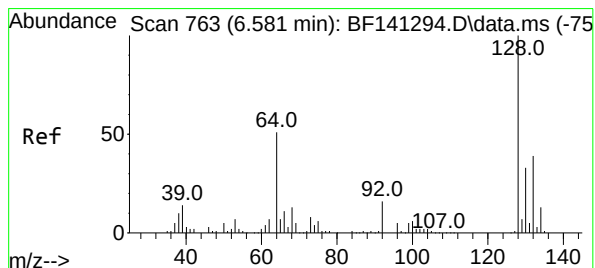
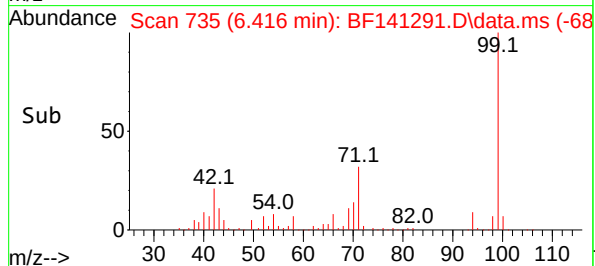
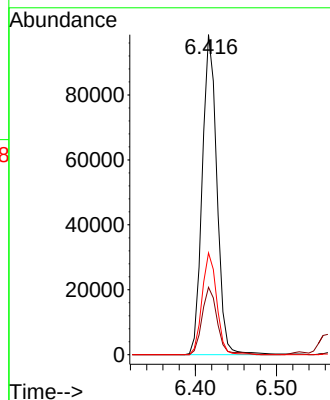
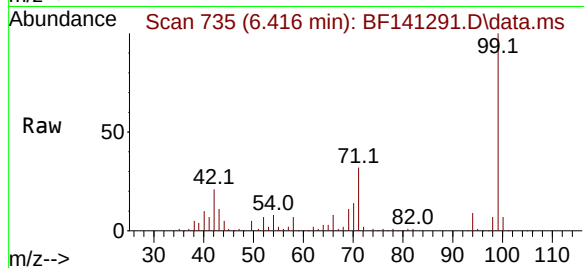
Tgt Ion: 99 Resp: 123556

Ion Ratio Lower Upper

99 100

42 21.0 17.1 25.7

71 31.8 26.9 40.3



#8

2-Chlorophenol

Concen: 5.527 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

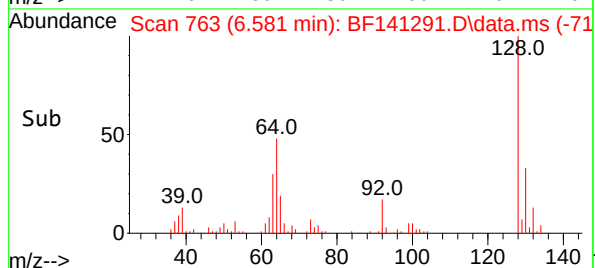
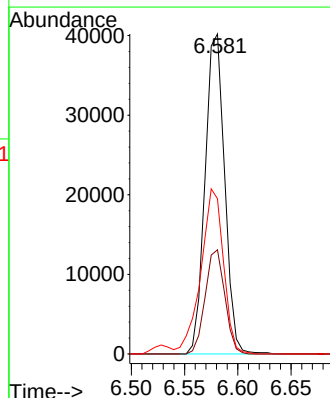
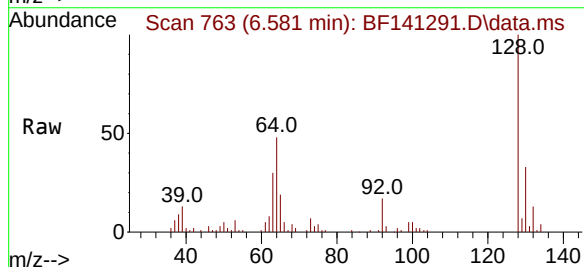
Tgt Ion:128 Resp: 51505

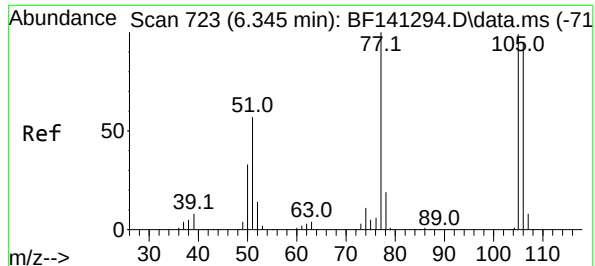
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 48.5 32.9 72.9





#9

Benzaldehyde

Concen: 6.090 ng

RT: 6.346 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

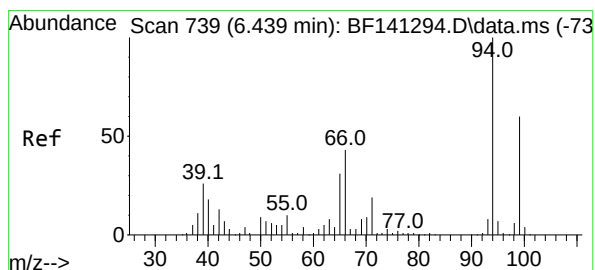
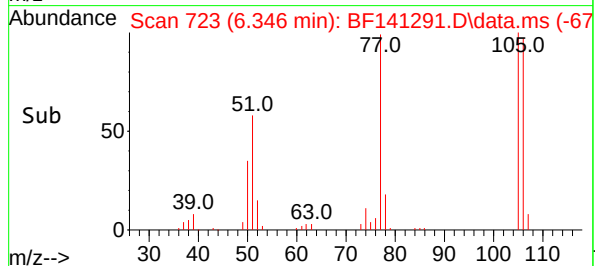
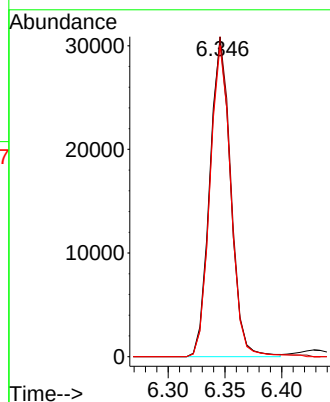
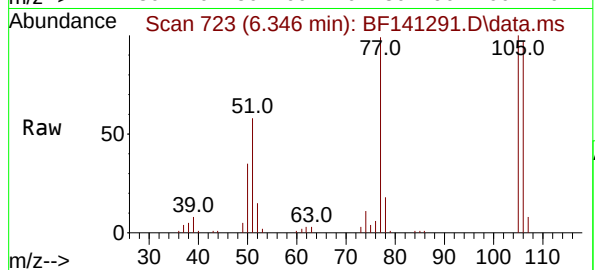
Tgt Ion: 77 Resp: 39117

Ion Ratio Lower Upper

77 100

105 100.9 79.4 119.4

106 98.1 74.6 114.6



#10

Phenol

Concen: 5.558 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

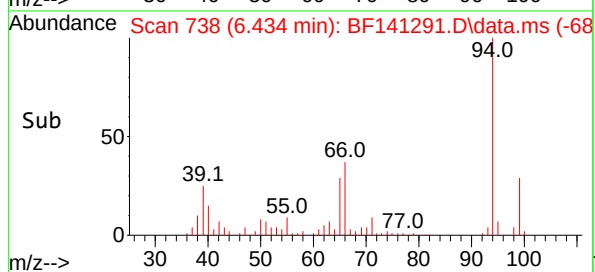
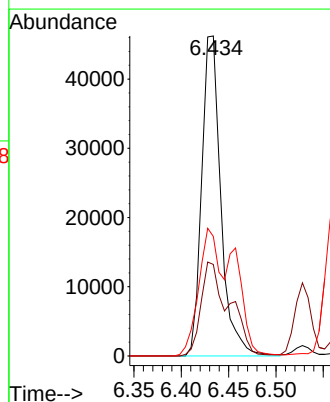
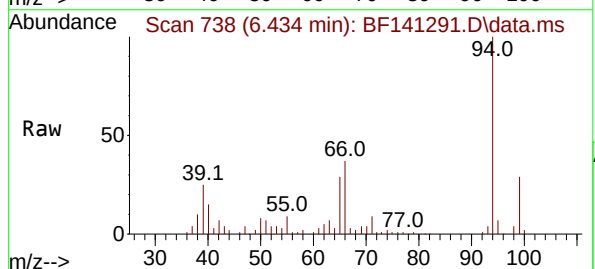
Tgt Ion: 94 Resp: 65035

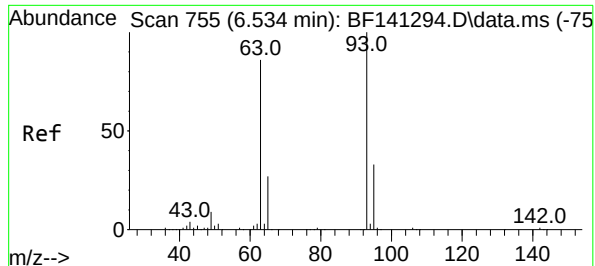
Ion Ratio Lower Upper

94 100

65 28.6 10.8 50.8

66 37.4 23.3 63.3

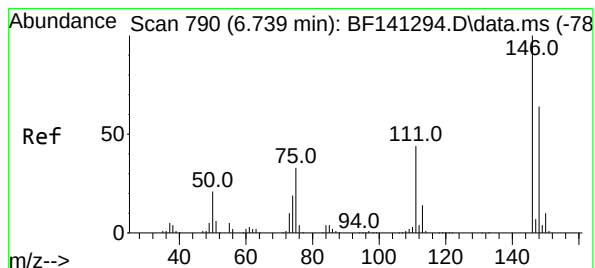
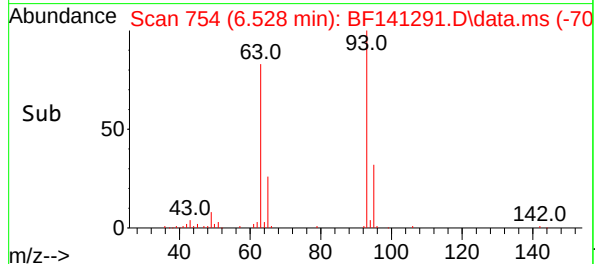
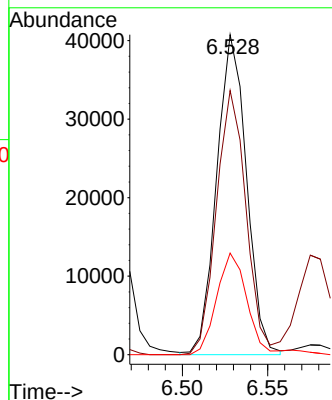
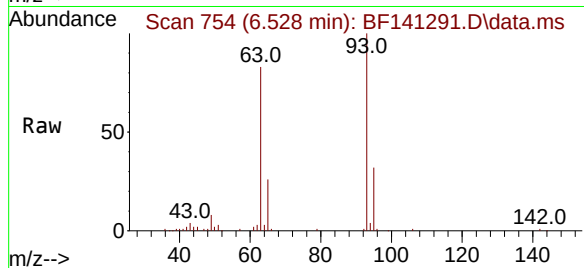




#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

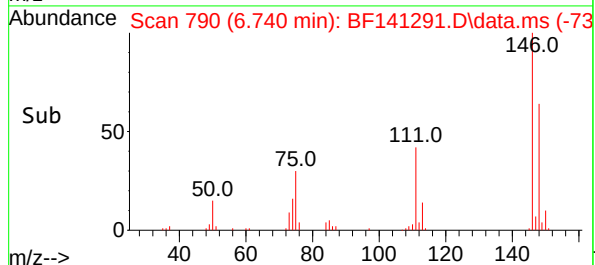
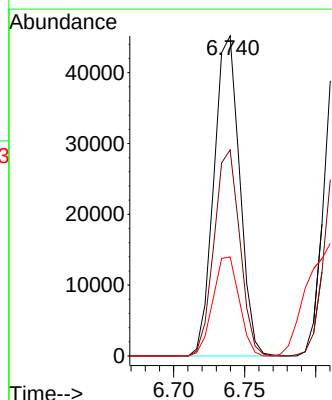
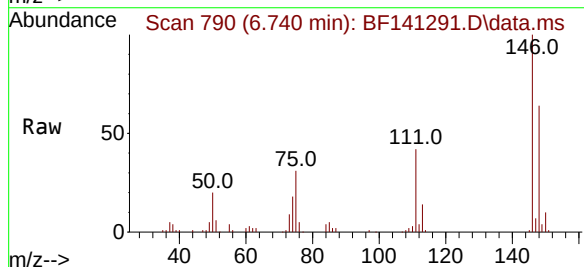
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

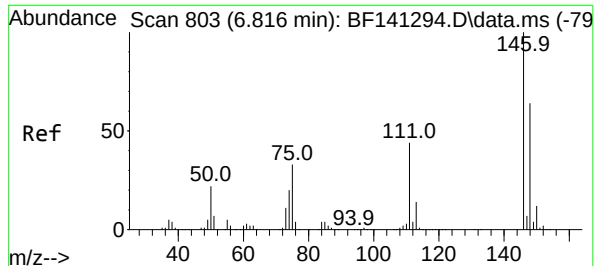
Tgt Ion: 93 Resp: 49579
Ion Ratio Lower Upper
93 100
63 82.6 65.0 105.0
95 31.7 12.4 52.4



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

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





#13

1,4-Dichlorobenzene

Concen: 5.573 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

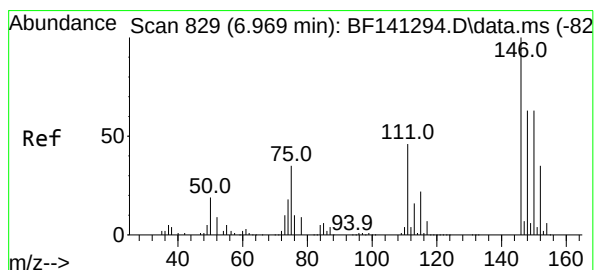
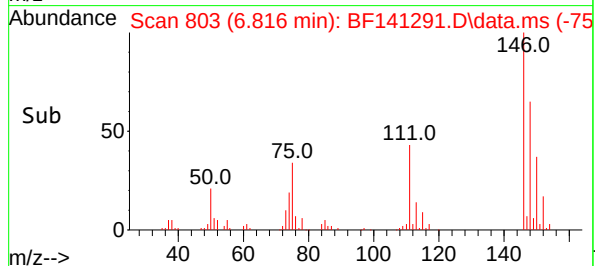
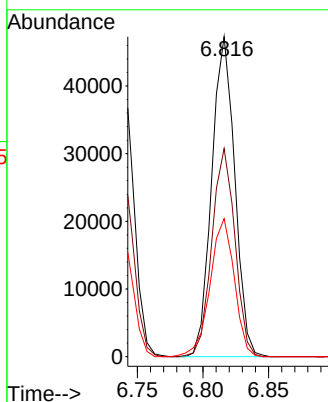
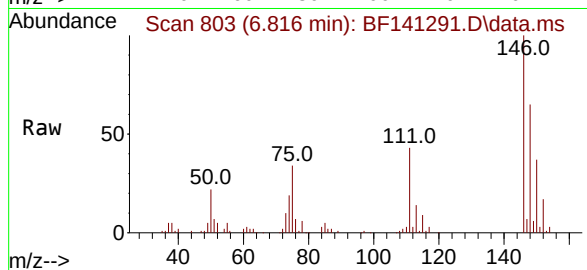
Tgt Ion:146 Resp: 57684

Ion Ratio Lower Upper

146 100

148 65.0 51.2 76.8

111 43.2 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 5.650 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

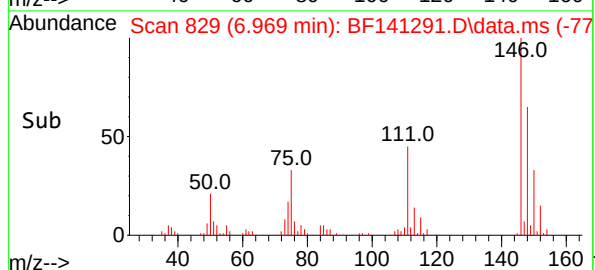
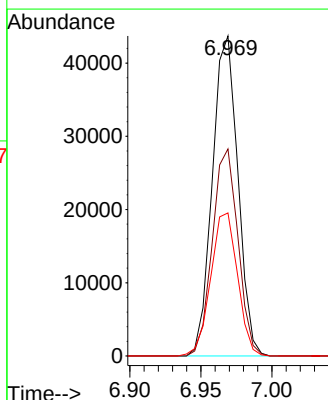
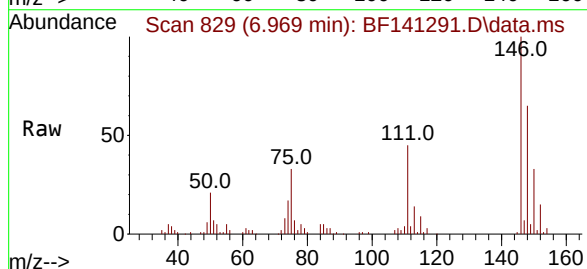
Tgt Ion:146 Resp: 54653

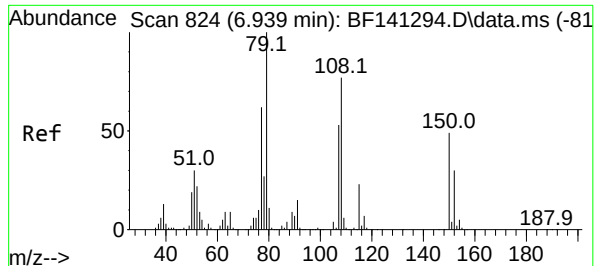
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

111 44.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 5.053 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

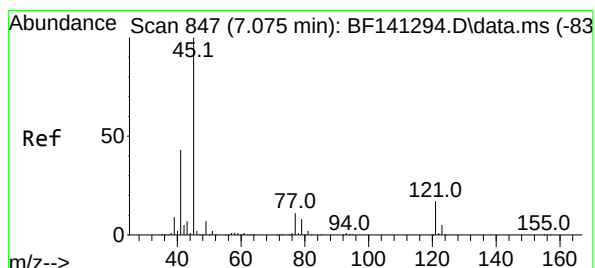
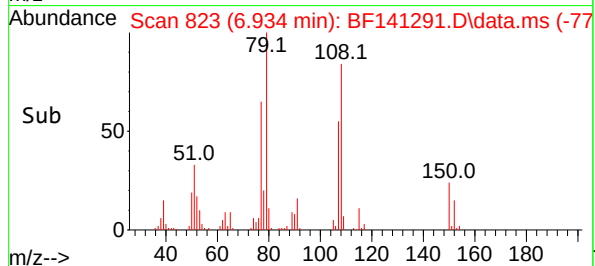
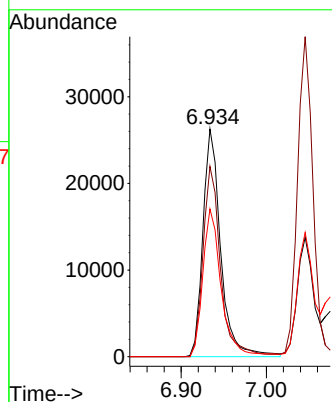
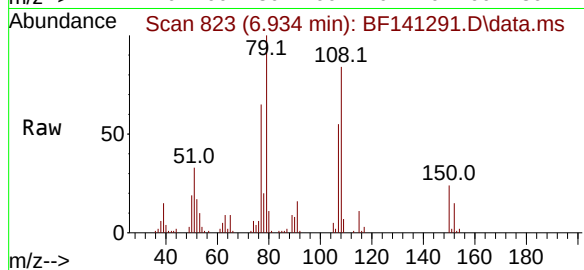
Tgt Ion: 79 Resp: 38176

Ion Ratio Lower Upper

79 100

108 83.6 61.4 92.0

77 64.8 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.436 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

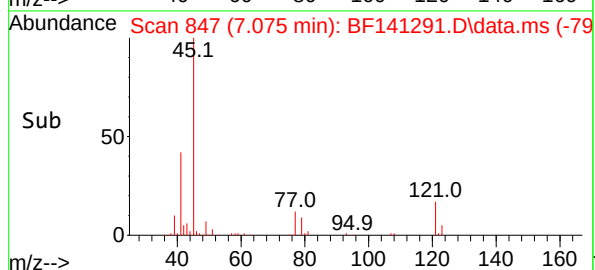
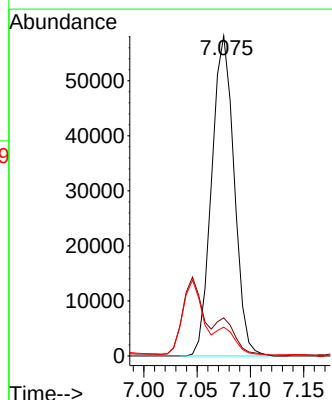
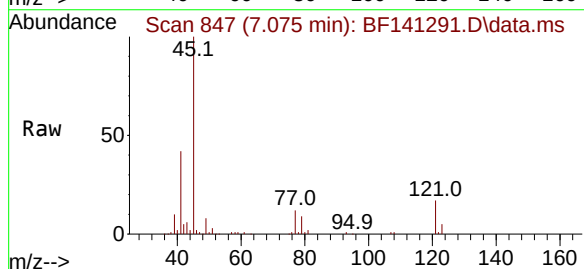
Tgt Ion: 45 Resp: 84988

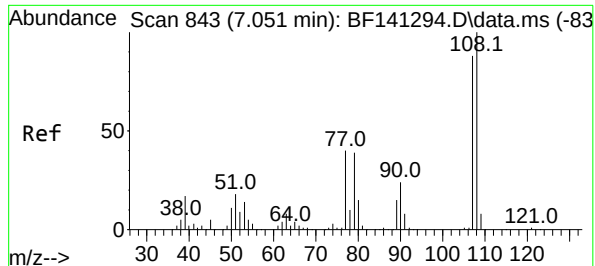
Ion Ratio Lower Upper

45 100

77 11.9 0.0 31.8

79 9.0 0.0 29.1

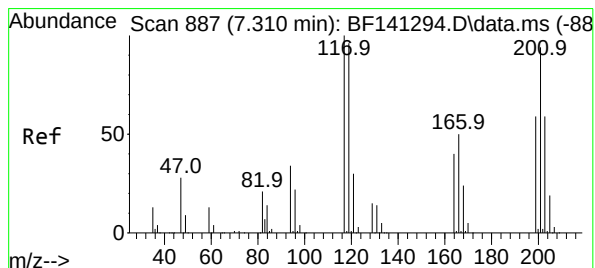
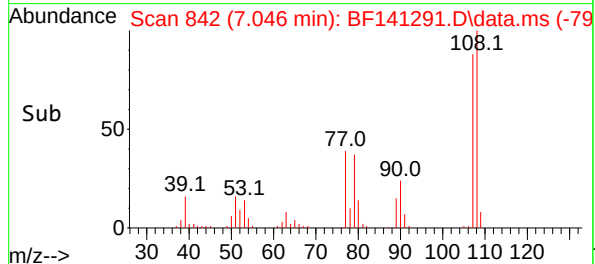
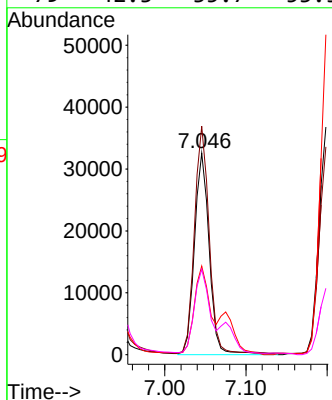
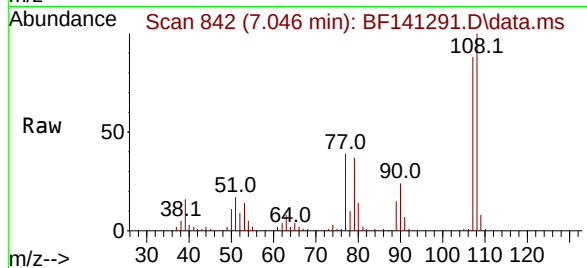




#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

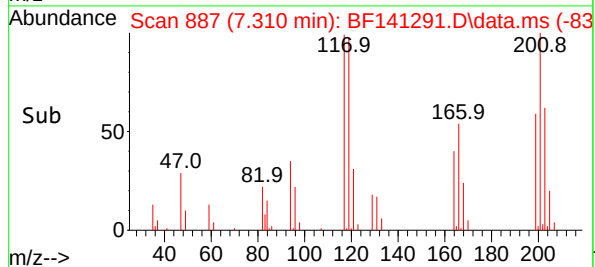
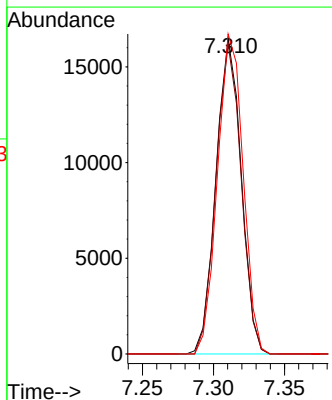
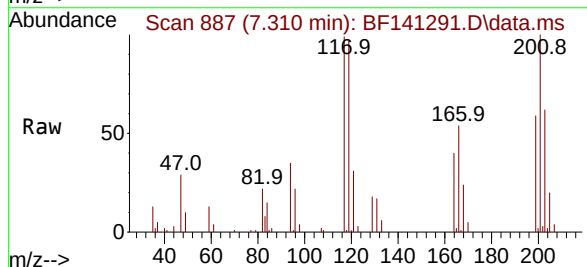
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

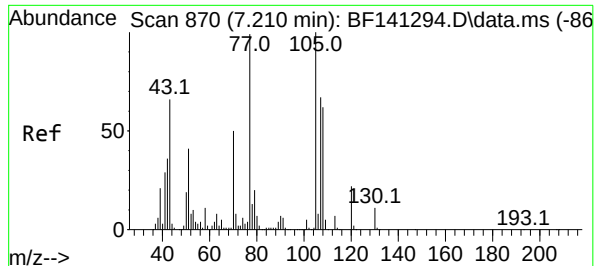
Tgt Ion:	107	Resp:	41498
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5



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

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





#19

n-Nitroso-di-n-propylamine

Concen: 5.363 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 35278

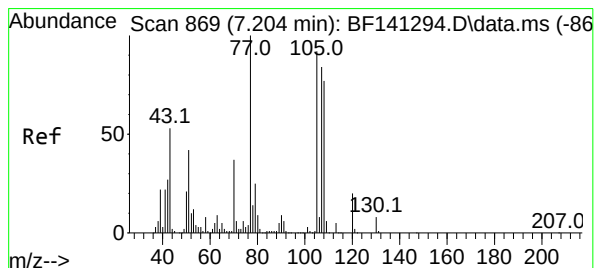
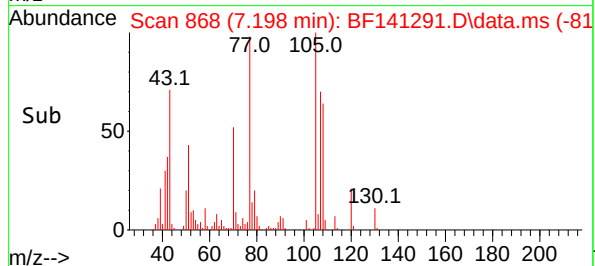
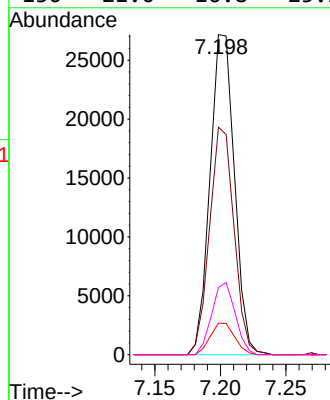
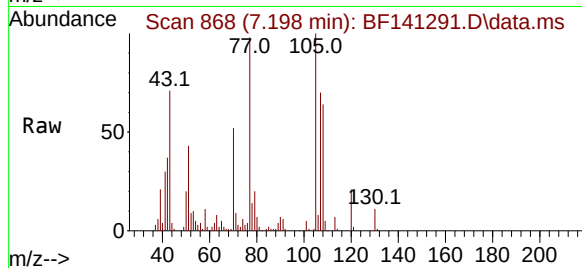
Ion Ratio Lower Upper

70 100

42 71.1 56.8 85.2

101 9.9 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 5.645 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion: 107 Resp: 52364

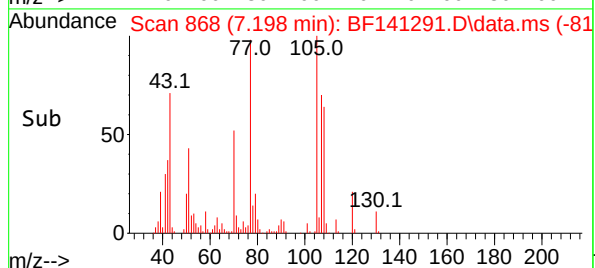
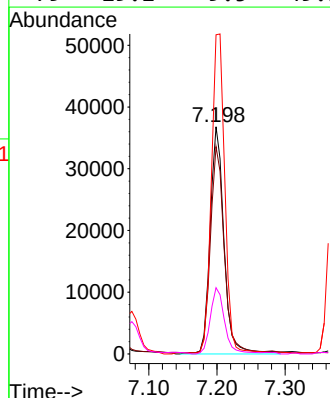
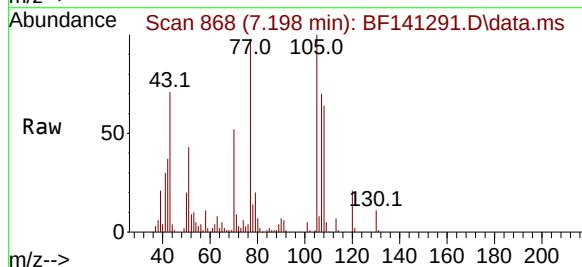
Ion Ratio Lower Upper

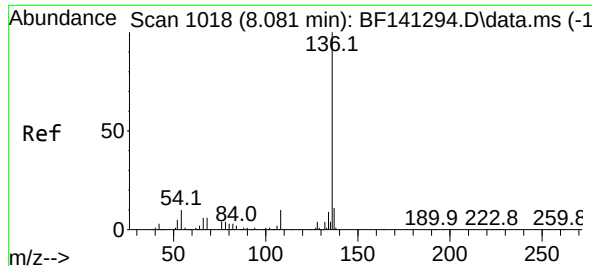
107 100

108 91.3 70.9 110.9

77 140.5 98.5 138.5#

79 29.2 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:136 Resp: 531551

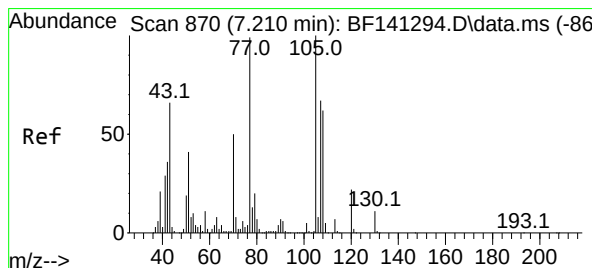
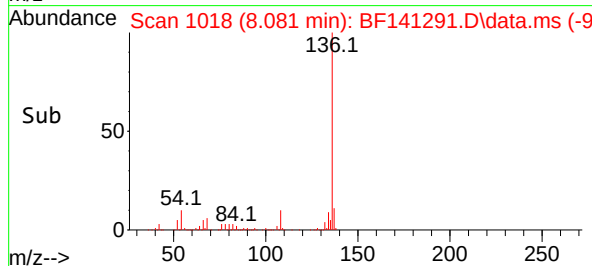
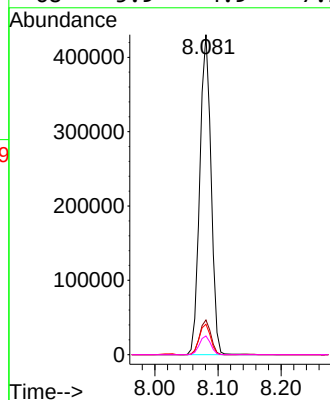
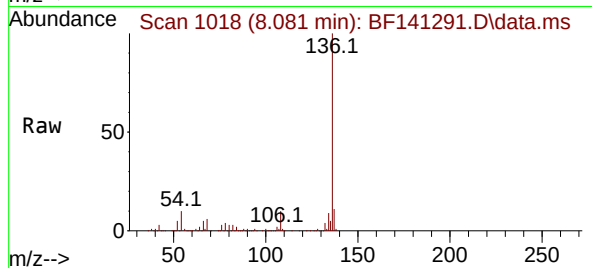
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.5 7.8 11.8

68 5.9 4.9 7.3



#22

Acetophenone

Concen: 5.774 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

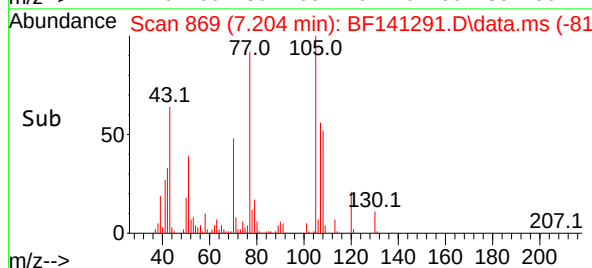
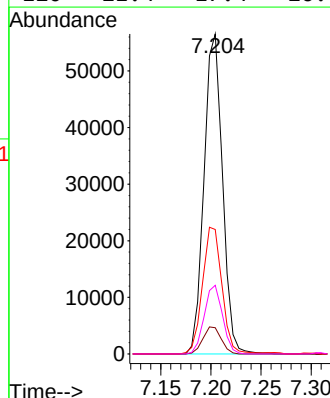
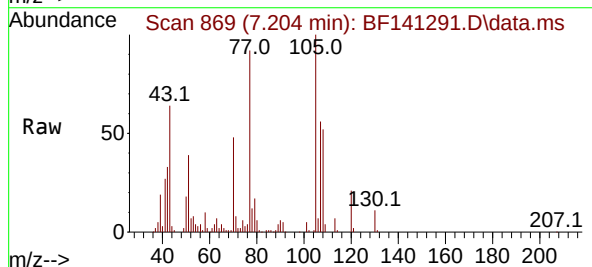
Ion Ratio Lower Upper

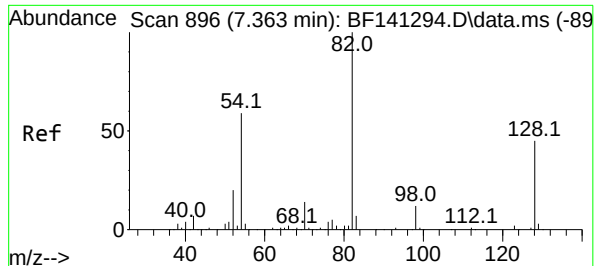
105 100

71 8.2 6.8 10.2

51 38.9 32.6 49.0

120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 10.719 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

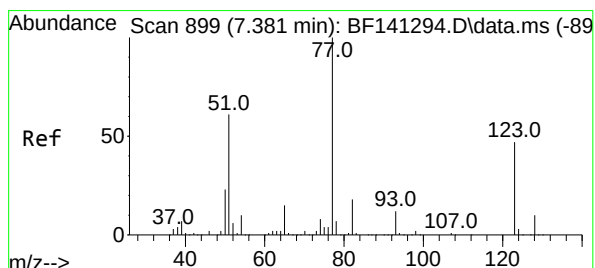
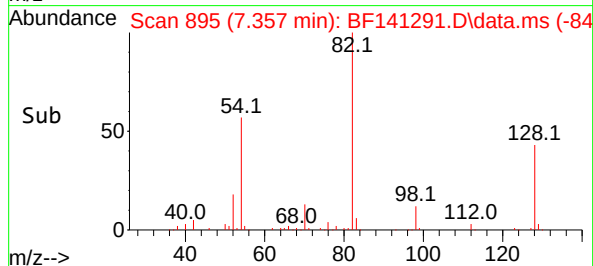
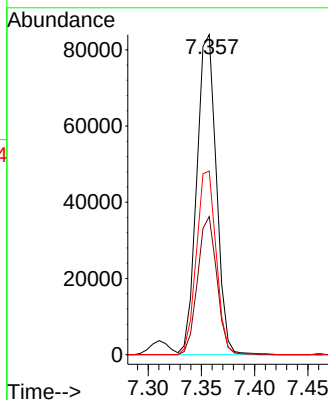
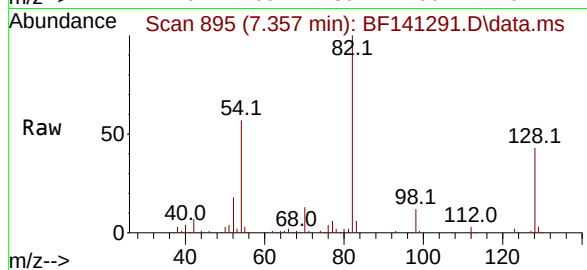
Tgt Ion: 82 Resp: 107680

Ion Ratio Lower Upper

82 100

128 43.2 35.7 53.5

54 57.4 47.1 70.7



#24

Nitrobenzene

Concen: 5.337 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

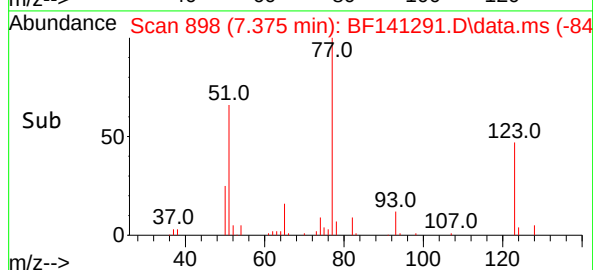
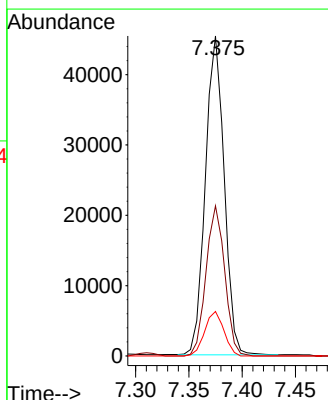
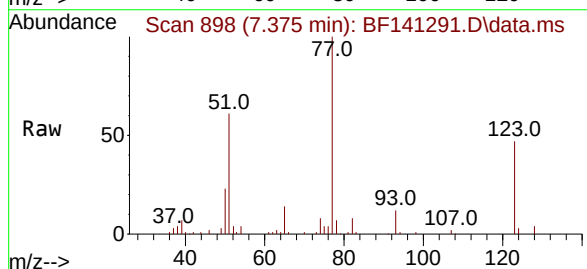
Tgt Ion: 77 Resp: 55610

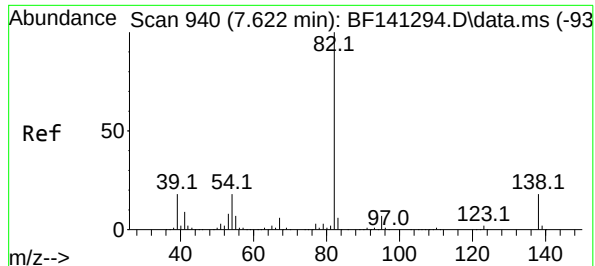
Ion Ratio Lower Upper

77 100

123 46.9 37.3 55.9

65 13.9 11.8 17.6





#25

Isophorone

Concen: 5.346 ng

RT: 7.610 min Scan# 91

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

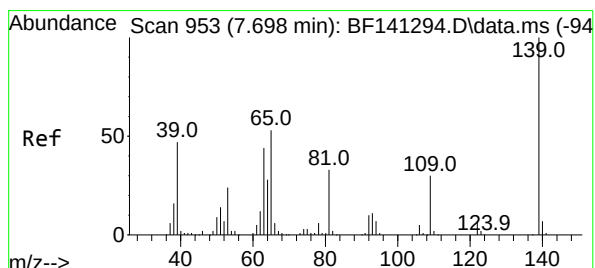
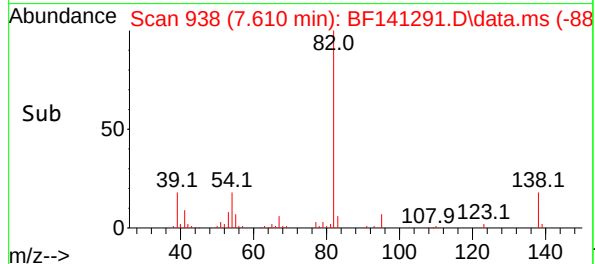
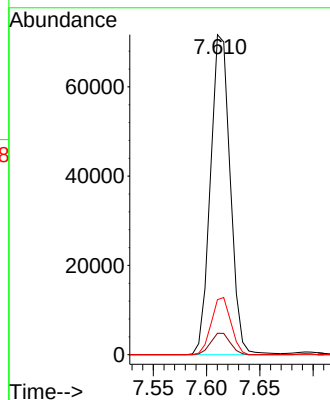
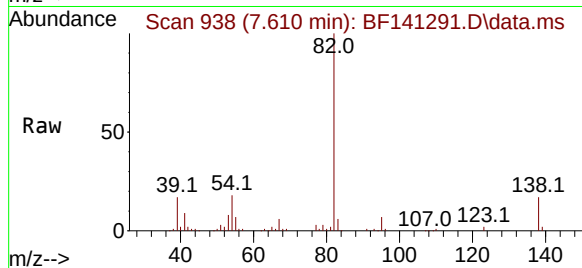
Tgt Ion: 82 Resp: 92818

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

138 17.2 14.7 22.1



#26

2-Nitrophenol

Concen: 4.789 ng

RT: 7.693 min Scan# 952

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

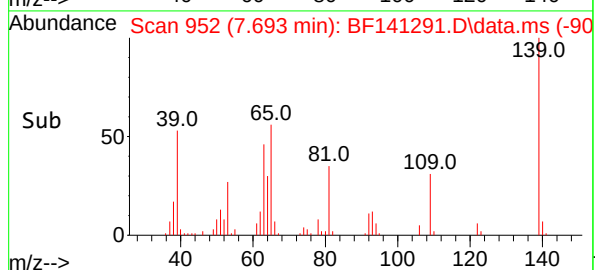
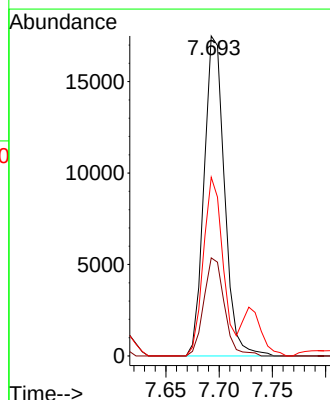
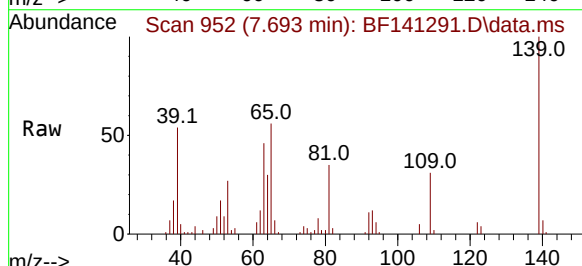
Tgt Ion:139 Resp: 23372

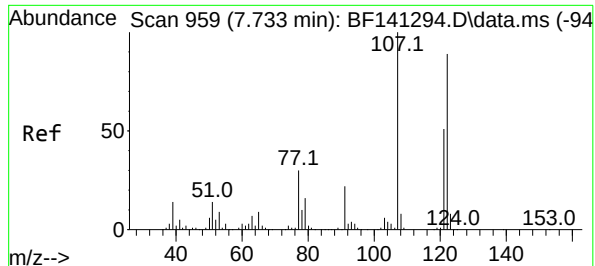
Ion Ratio Lower Upper

139 100

109 30.7 23.8 35.6

65 55.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 5.205 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

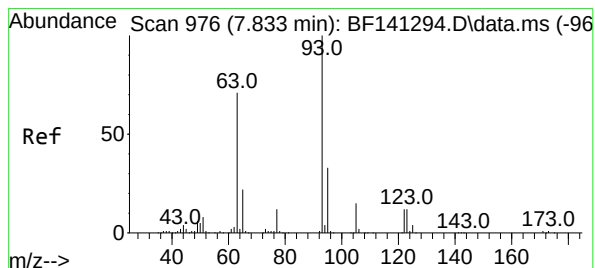
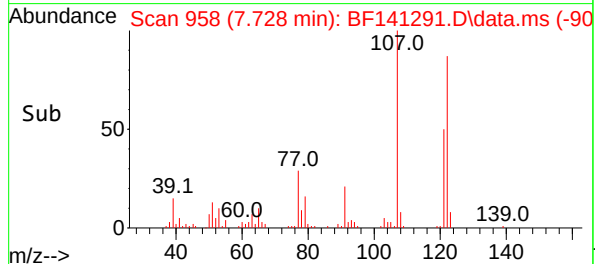
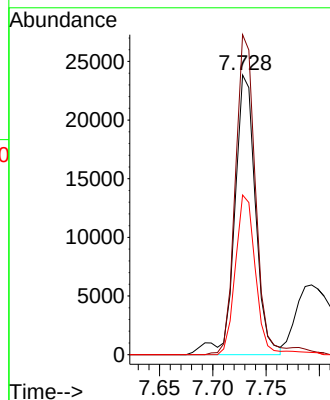
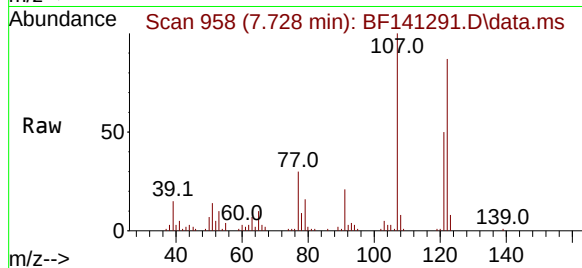
Tgt Ion:122 Resp: 32462

Ion Ratio Lower Upper

122 100

107 114.4 89.9 134.9

121 57.1 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 5.449 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

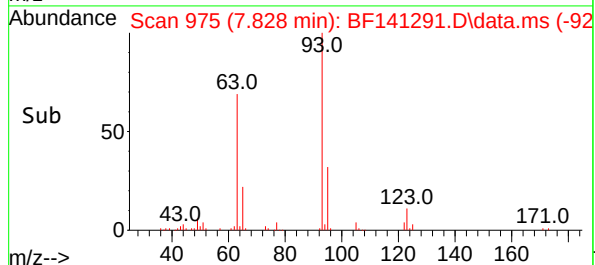
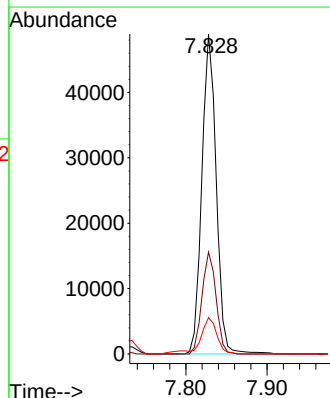
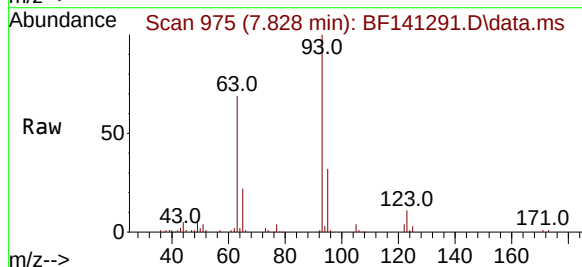
Tgt Ion: 93 Resp: 60286

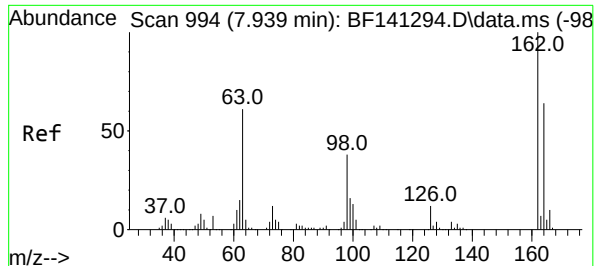
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

123 11.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 5.360 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

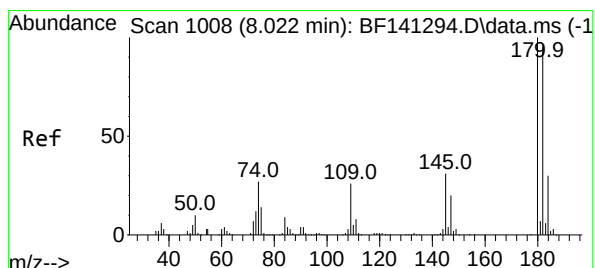
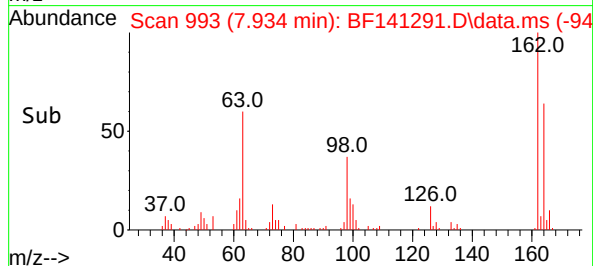
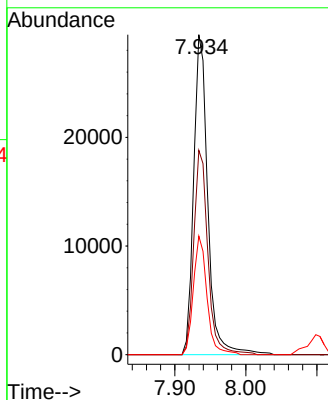
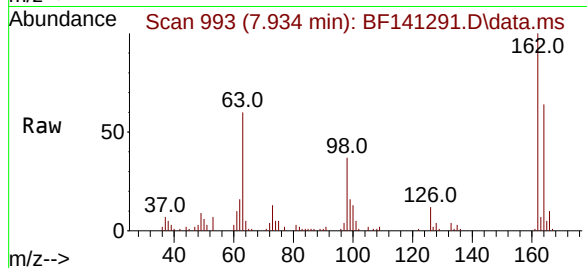
Tgt Ion:162 Resp: 40847

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

98 37.0 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 5.661 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

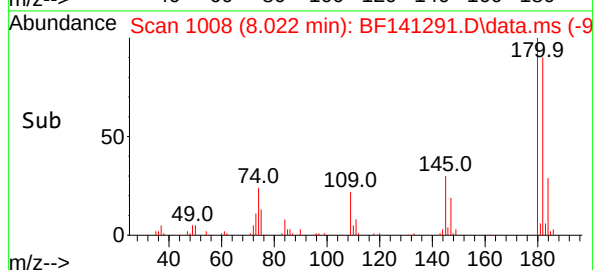
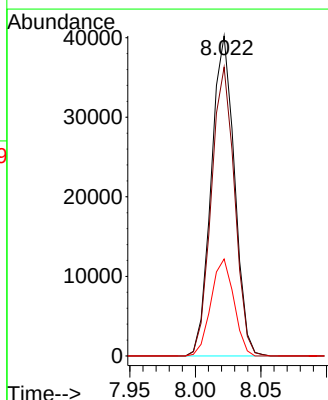
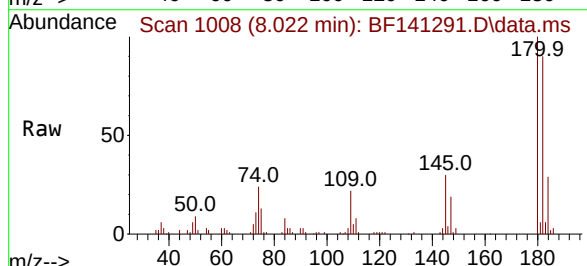
Tgt Ion:180 Resp: 49479

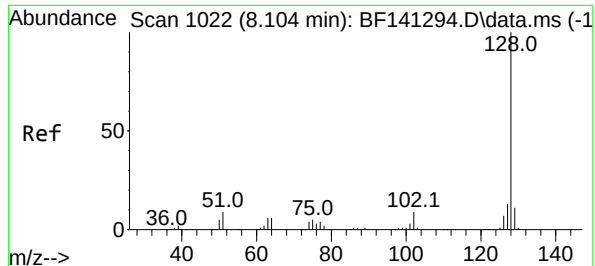
Ion Ratio Lower Upper

180 100

182 90.2 76.4 114.6

145 30.3 24.9 37.3

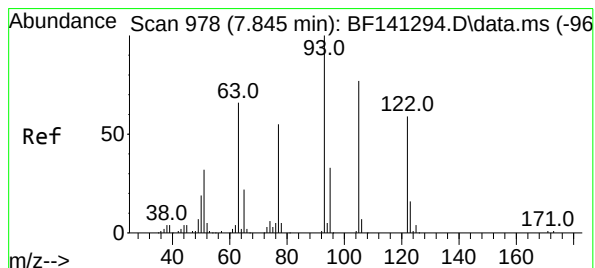
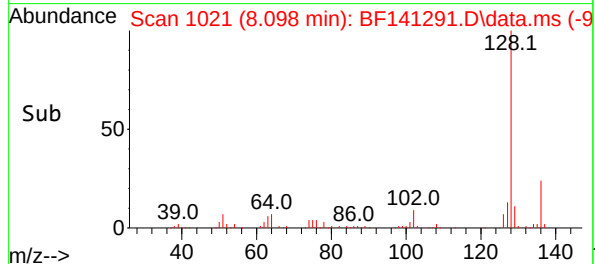
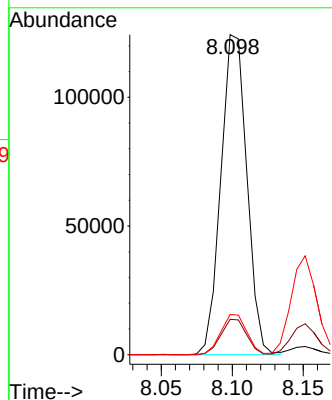
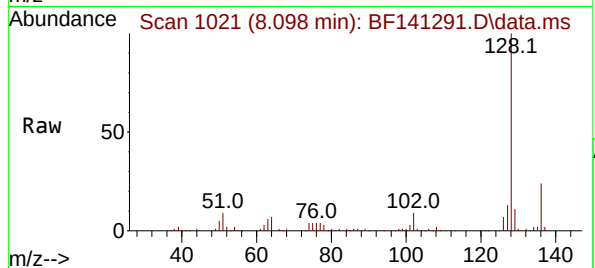




#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

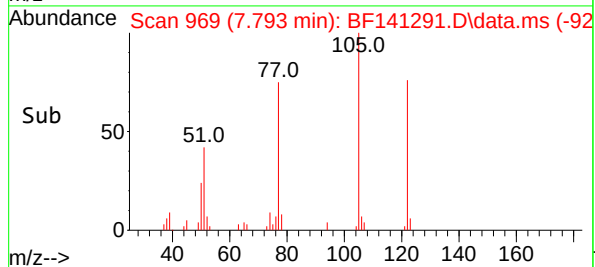
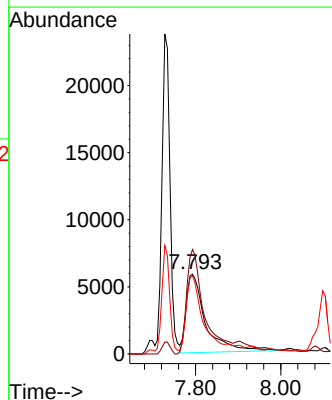
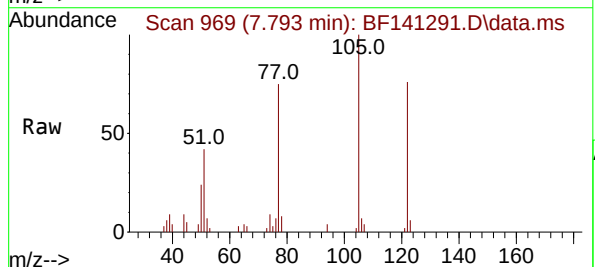
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

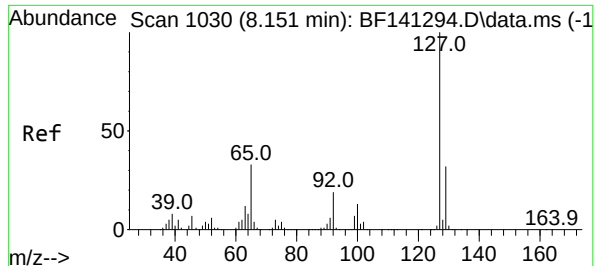
Tgt Ion:128 Resp: 158560
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.6 10.6 15.8



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

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





#33

4-Chloroaniline

Concen: 5.405 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:127 Resp: 50760

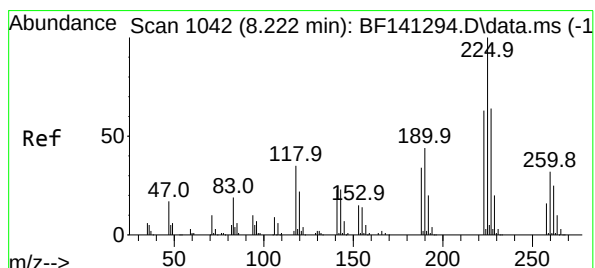
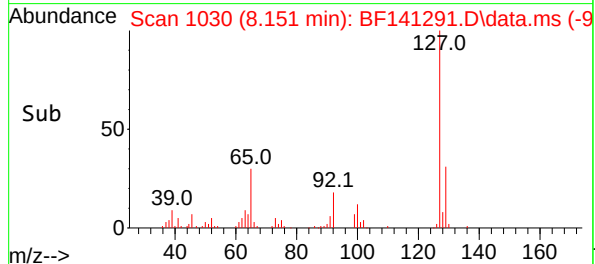
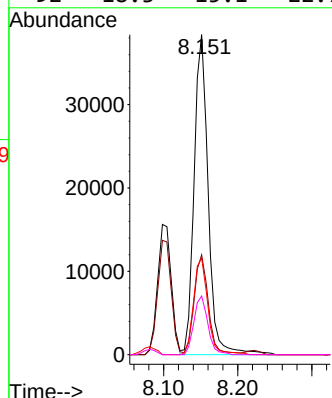
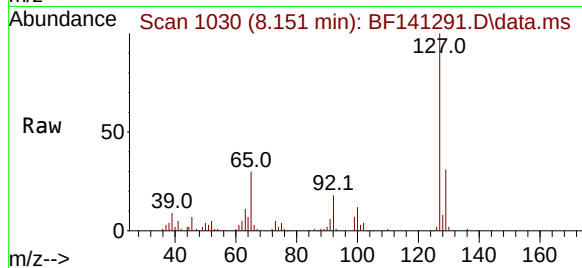
Ion Ratio Lower Upper

127 100

129 31.2 25.7 38.5

65 30.1 26.4 39.6

92 18.3 15.1 22.7



#34

Hexachlorobutadiene

Concen: 5.419 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

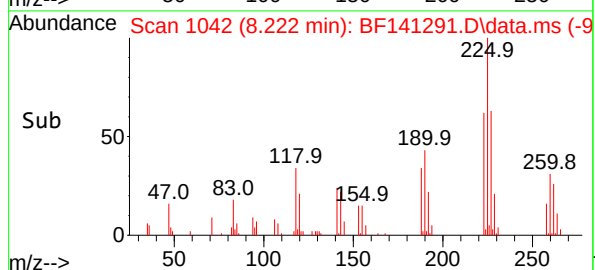
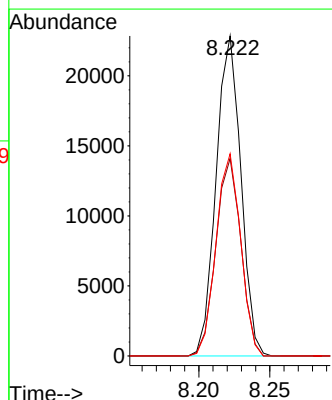
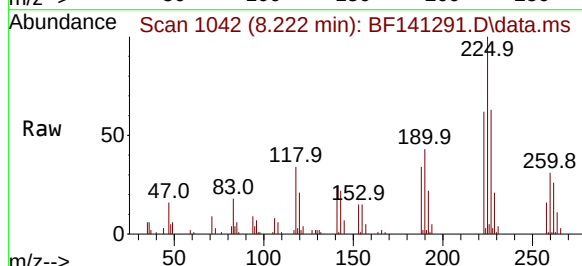
Tgt Ion:225 Resp: 27720

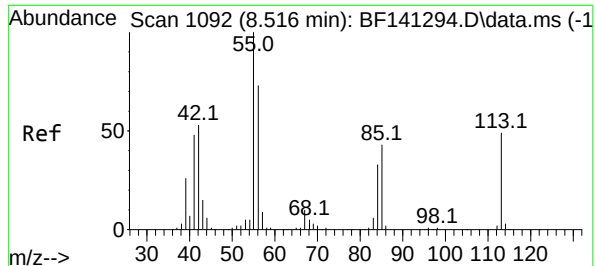
Ion Ratio Lower Upper

225 100

223 61.7 50.4 75.6

227 63.2 51.3 76.9

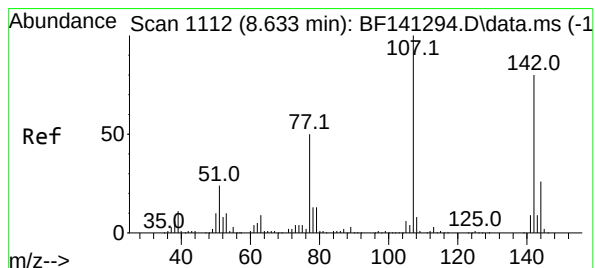
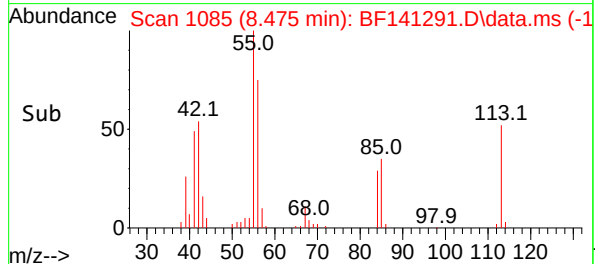
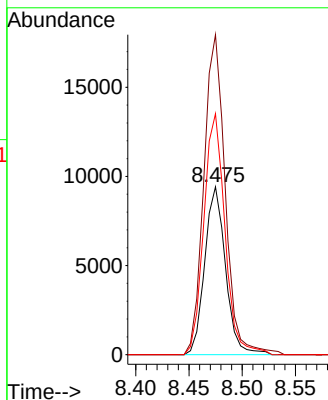
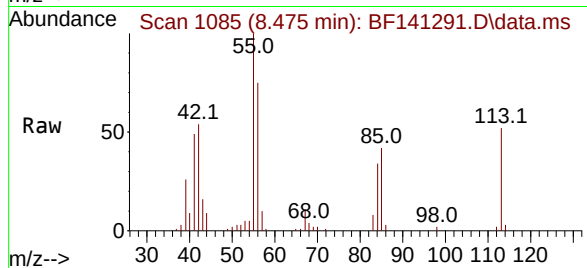




#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1108
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

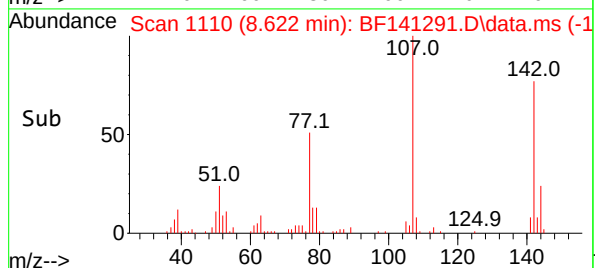
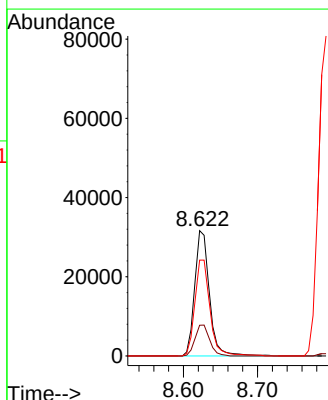
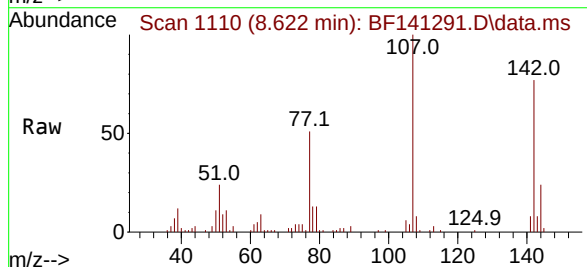
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

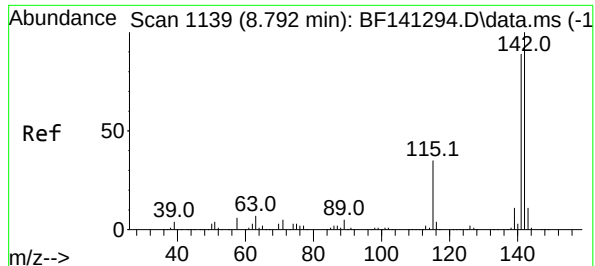
Tgt Ion:113 Resp: 12827
Ion Ratio Lower Upper
113 100
55 190.7 182.9 222.9
56 143.6 127.9 167.9



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

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





#37

2-Methylnaphthalene

Concen: 5.634 ng

RT: 8.793 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

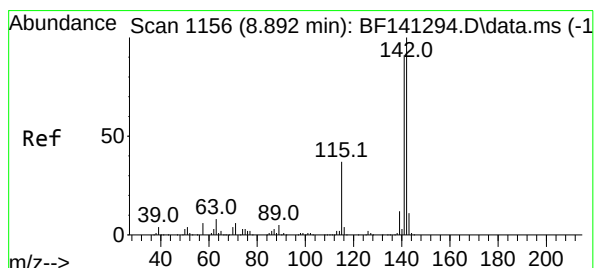
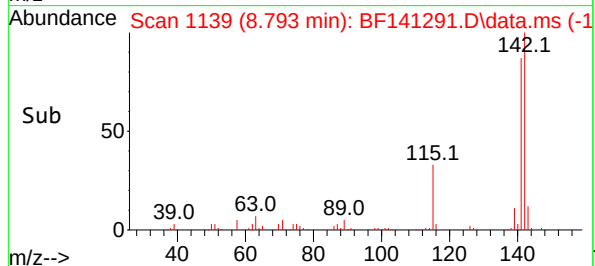
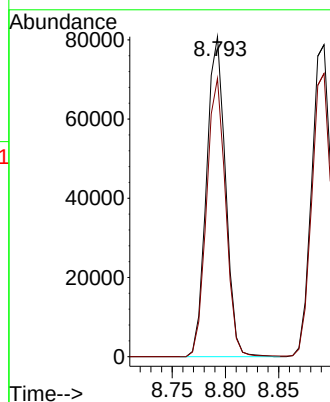
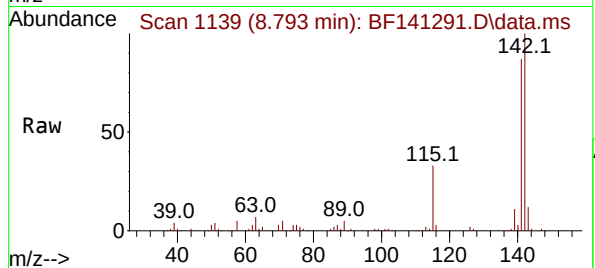
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion Ratio Lower Upper

142 100

141 86.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 5.767 ng

RT: 8.893 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141291.D

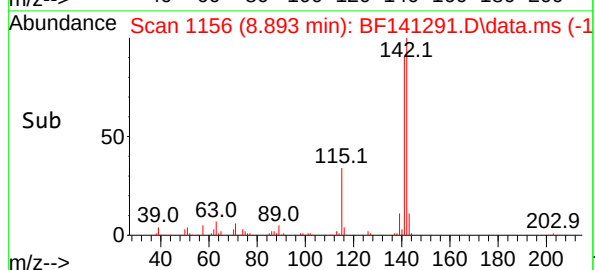
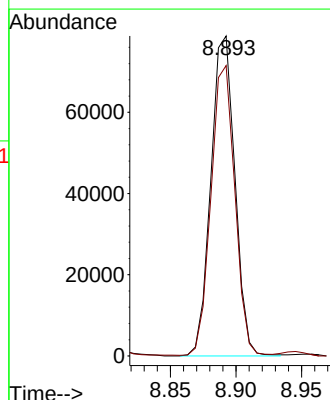
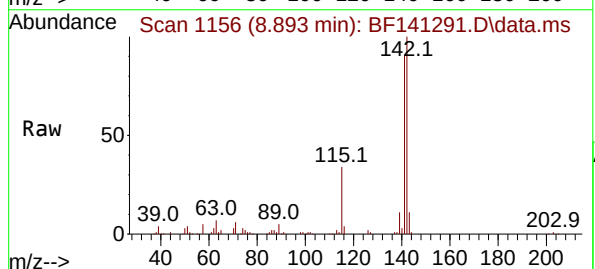
Acq: 29 Jan 2025 10:56

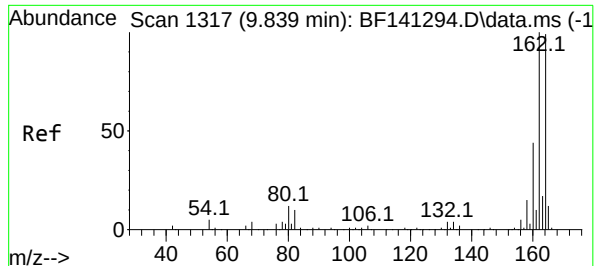
Tgt Ion:142 Resp: 100569

Ion Ratio Lower Upper

142 100

141 90.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

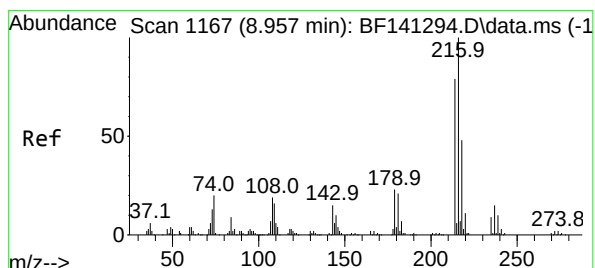
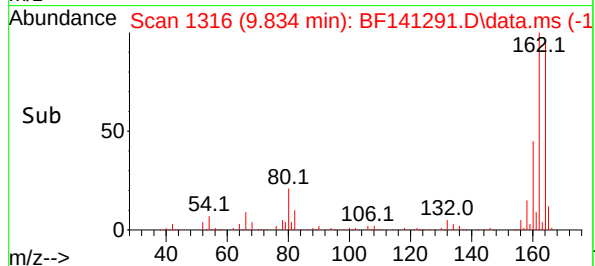
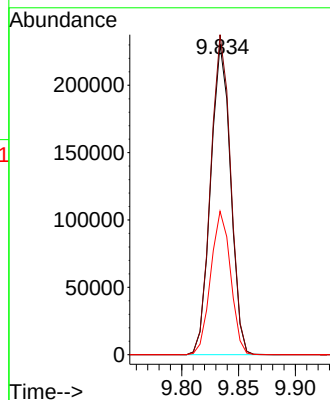
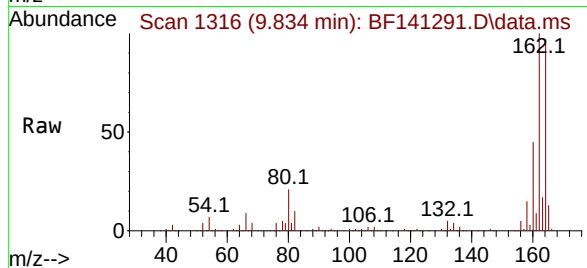
Tgt Ion:164 Resp: 281034

Ion Ratio Lower Upper

164 100

162 103.1 80.6 121.0

160 46.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.410 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

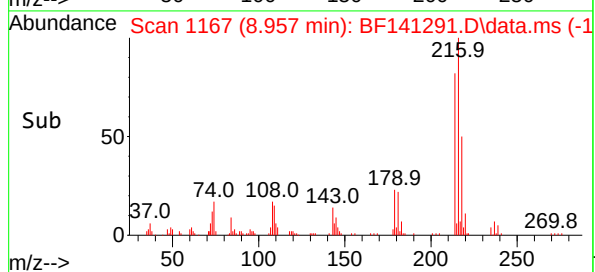
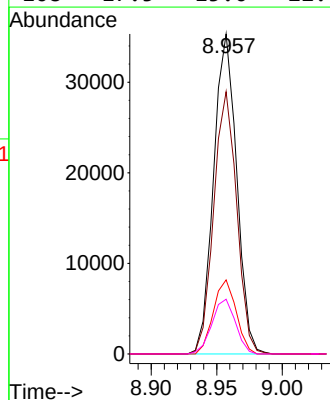
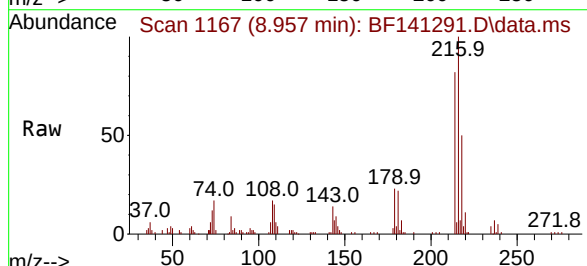
Ion Ratio Lower Upper

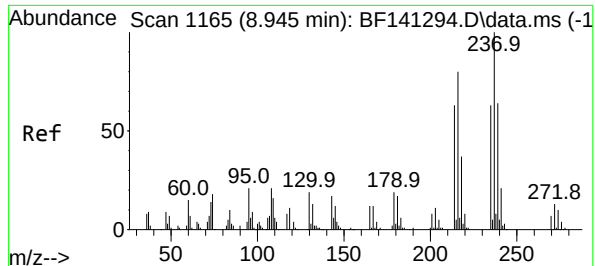
216 100

214 81.4 63.2 94.8

179 22.9 17.8 26.8

108 17.5 15.0 22.6

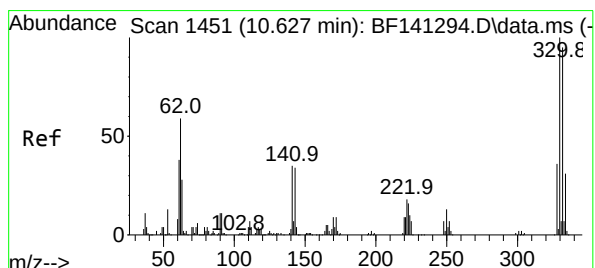
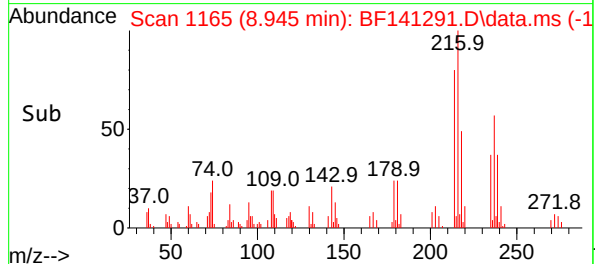
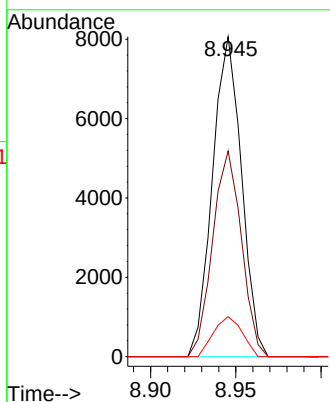
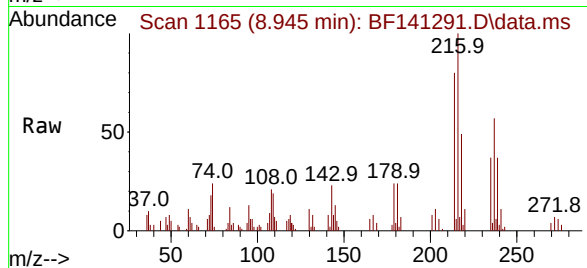




#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

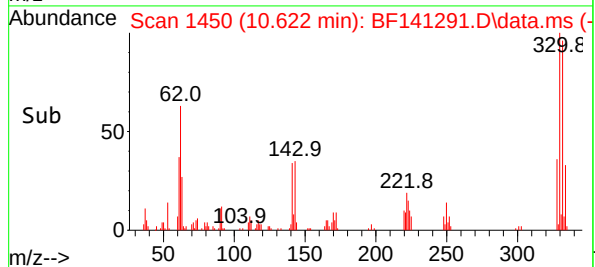
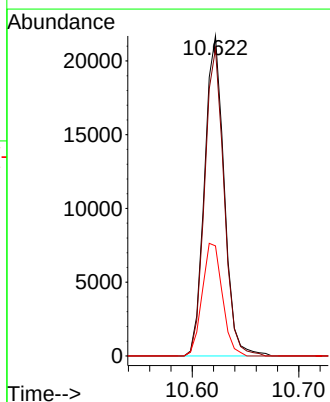
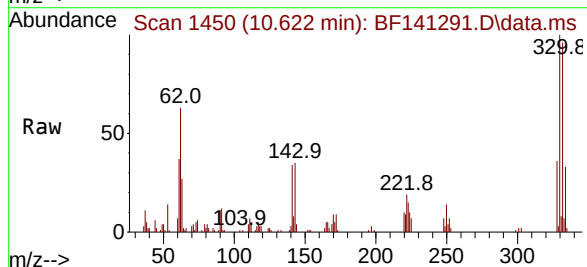
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

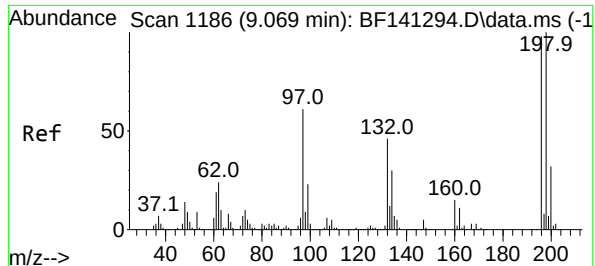
Tgt Ion:	237	Resp:	9555
Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8



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

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





#43

2,4,6-Trichlorophenol

Concen: 5.136 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

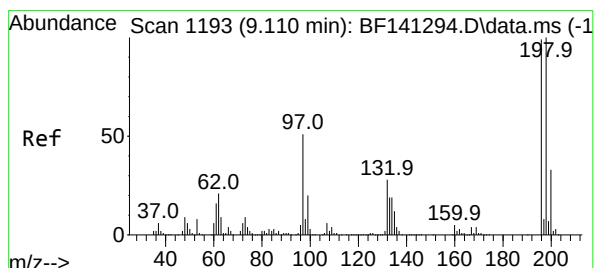
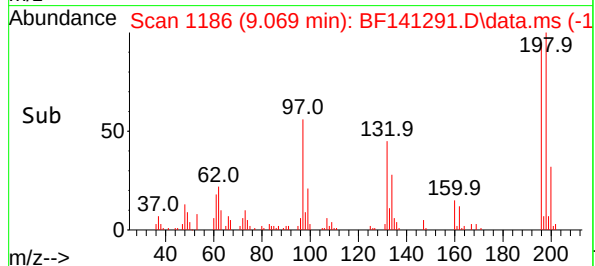
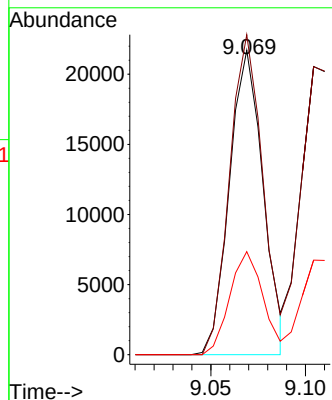
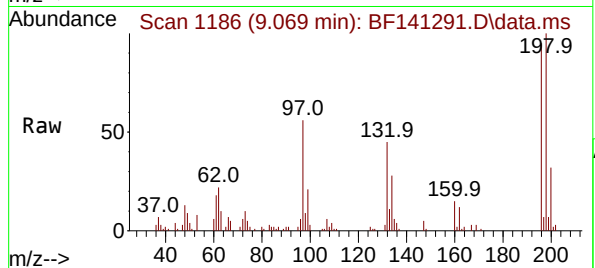
Tgt Ion:196 Resp: 26790

Ion Ratio Lower Upper

196 100

198 105.1 81.8 122.6

200 33.8 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 5.309 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

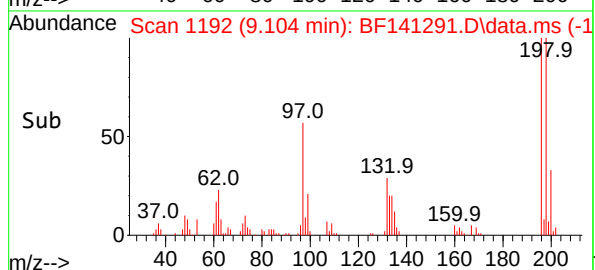
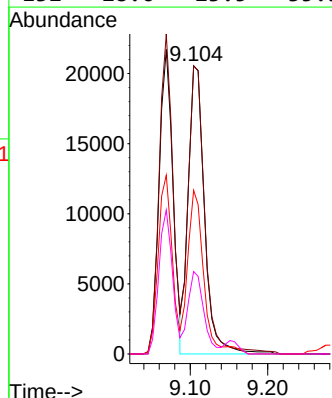
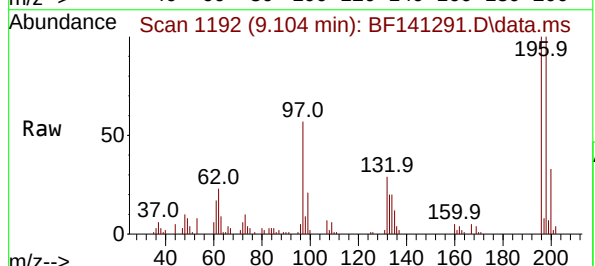
Ion Ratio Lower Upper

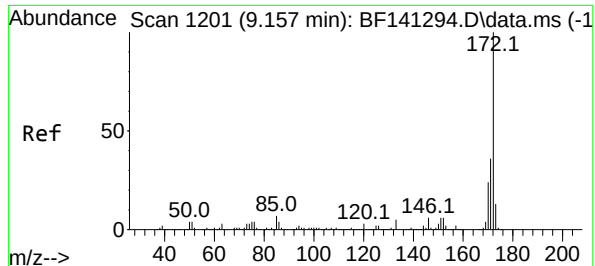
196 100

198 100.0 80.5 120.7

97 56.8 42.8 64.2

132 28.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 12.320 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

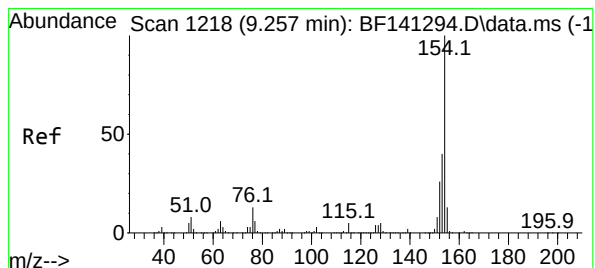
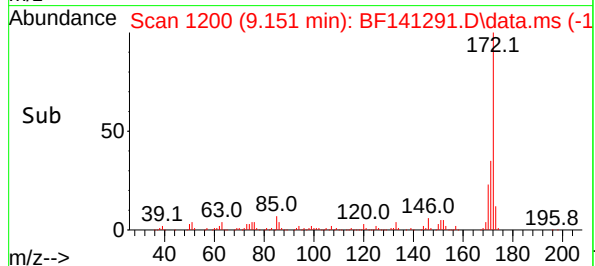
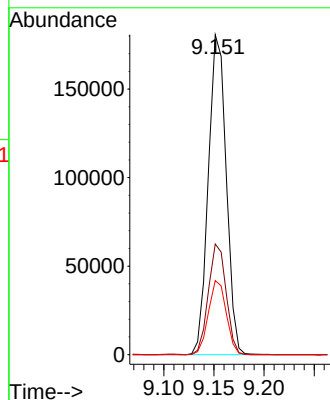
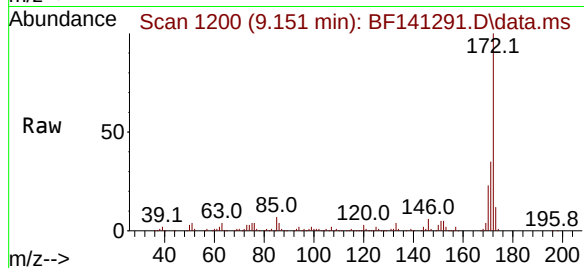
Tgt Ion:172 Resp: 224446

Ion Ratio Lower Upper

172 100

171 34.6 28.8 43.2

170 23.1 19.0 28.6



#46

1,1'-Biphenyl

Concen: 5.801 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

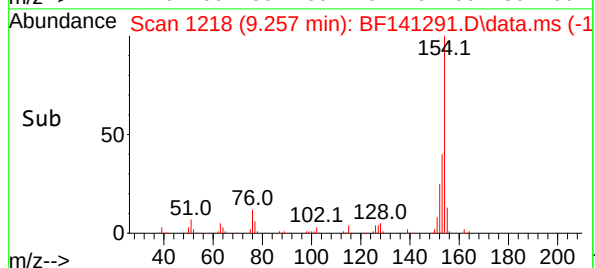
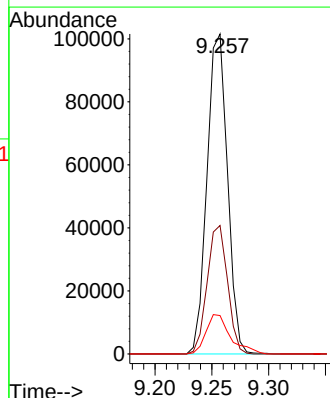
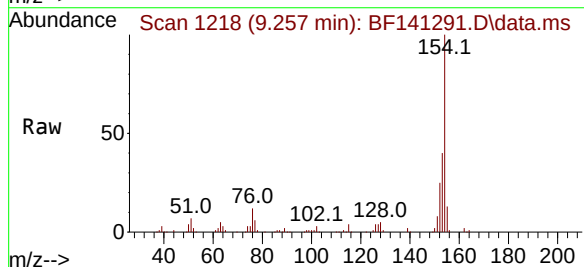
Tgt Ion:154 Resp: 127187

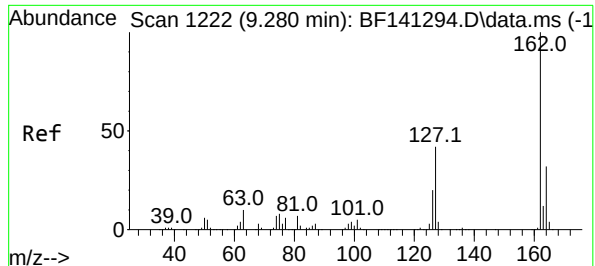
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 5.760 ng

RT: 9.281 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

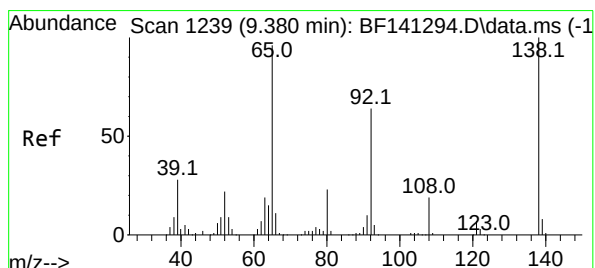
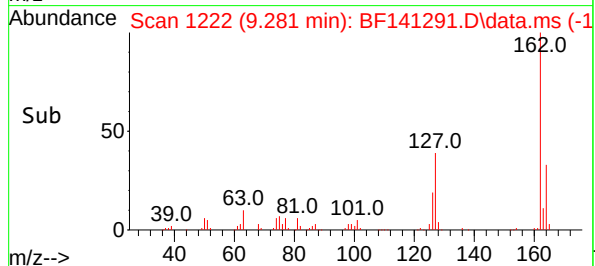
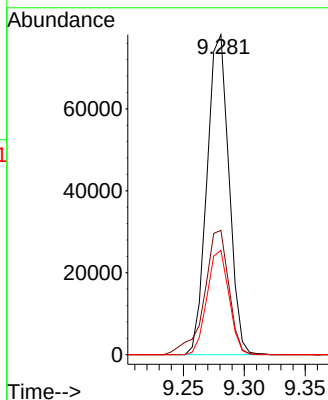
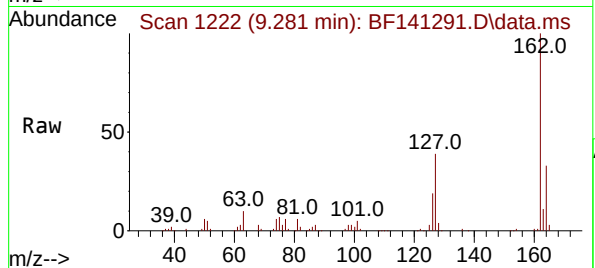
Tgt Ion:162 Resp: 98081

Ion Ratio Lower Upper

162 100

127 38.8 33.7 50.5

164 32.6 25.9 38.9



#48

2-Nitroaniline

Concen: 5.056 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

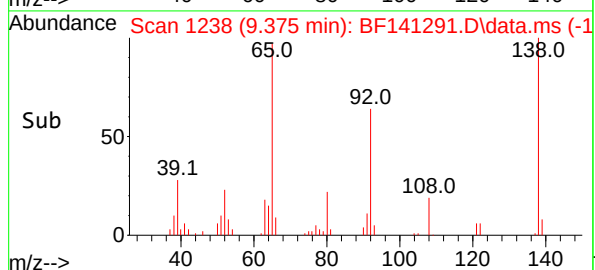
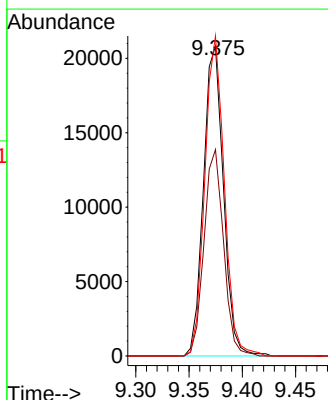
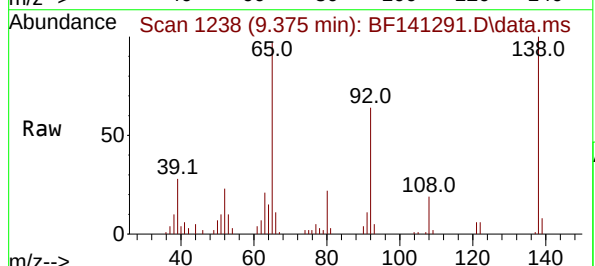
Tgt Ion: 65 Resp: 27154

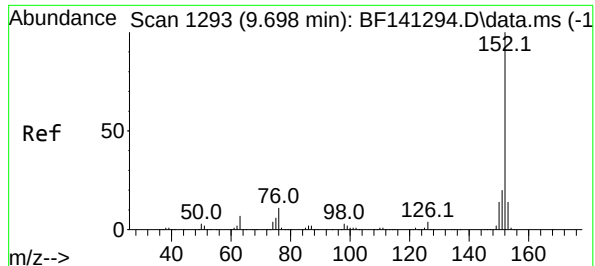
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 103.3 83.6 125.4





#49

Acenaphthylene

Concen: 5.643 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

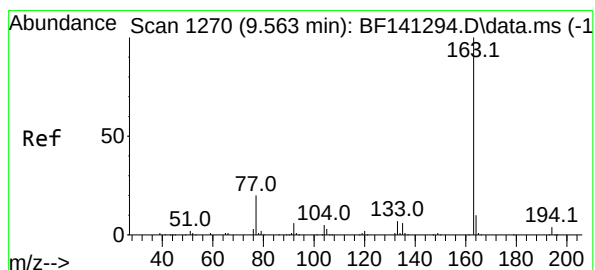
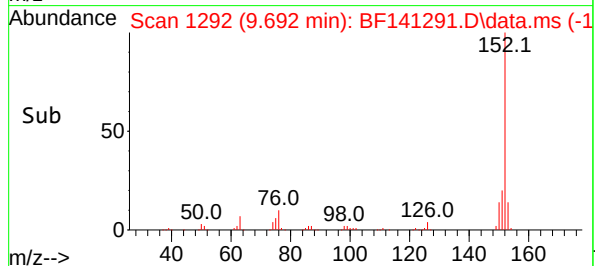
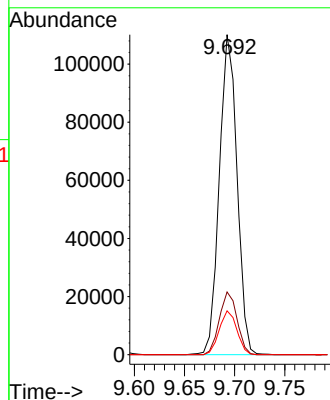
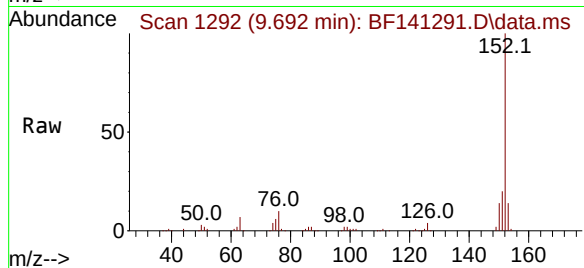
Tgt Ion:152 Resp: 134958

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 13.7 11.0 16.6



#50

Dimethylphthalate

Concen: 5.584 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

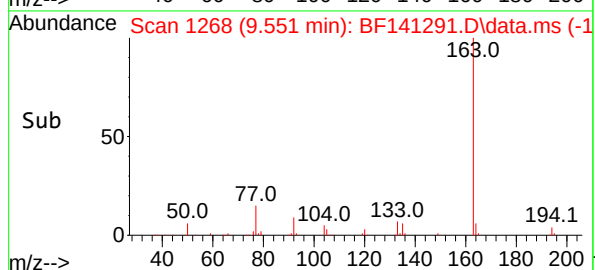
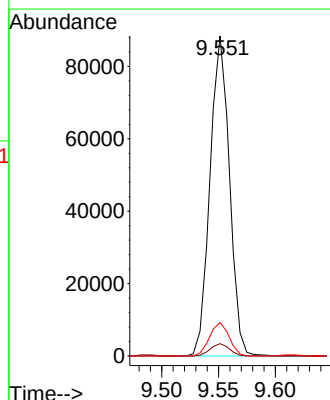
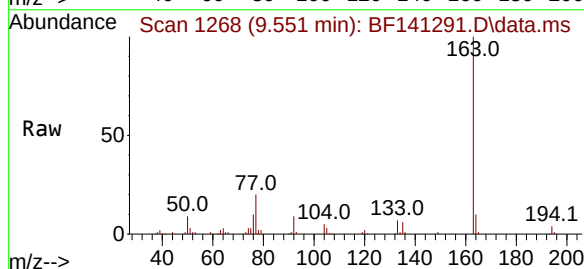
Tgt Ion:163 Resp: 105240

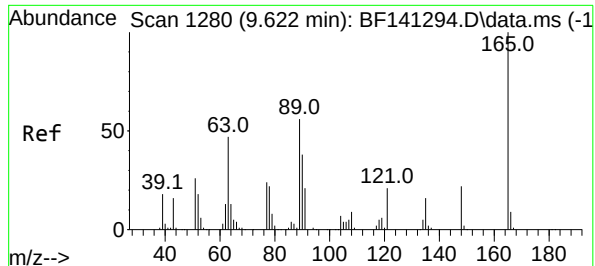
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 5.329 ng

RT: 9.616 min Scan# 1279

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

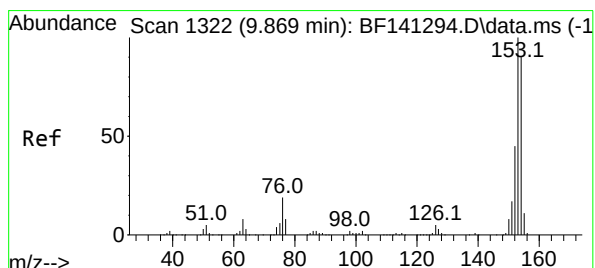
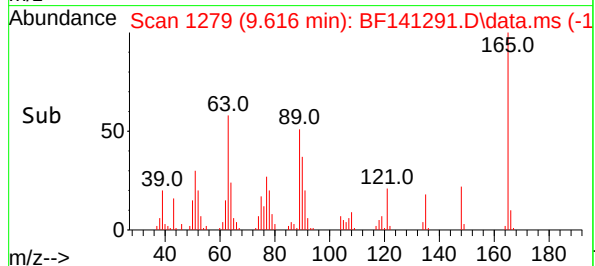
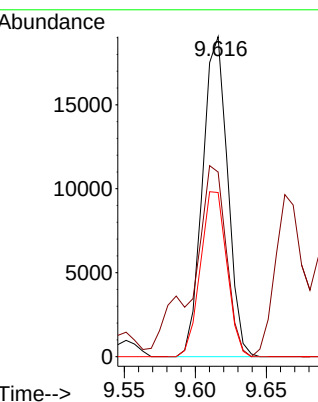
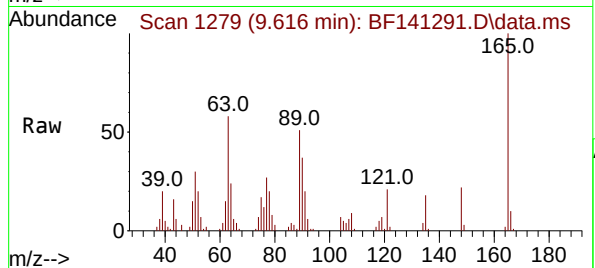
Tgt Ion:165 Resp: 23372

Ion Ratio Lower Upper

165 100

63 57.7 48.1 72.1

89 51.3 44.9 67.3



#52

Acenaphthene

Concen: 5.617 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

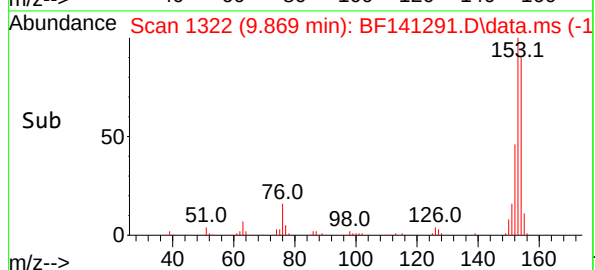
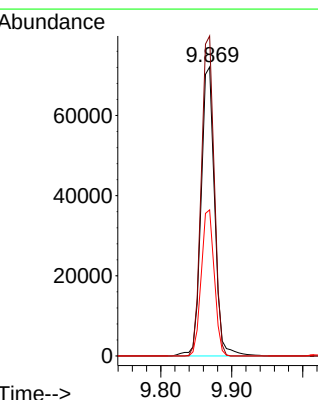
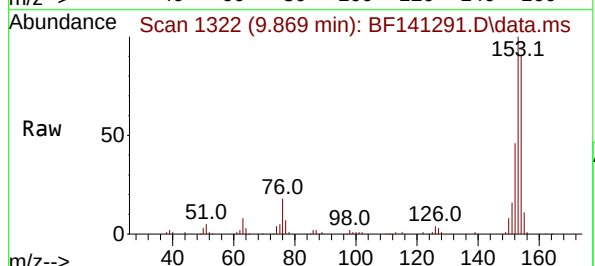
Tgt Ion:154 Resp: 95591

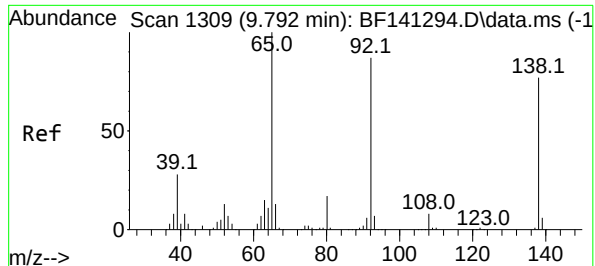
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.4

152 50.6 40.2 60.4

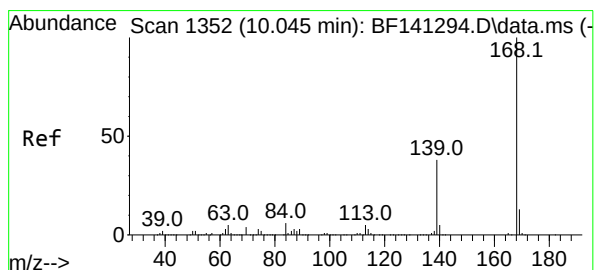
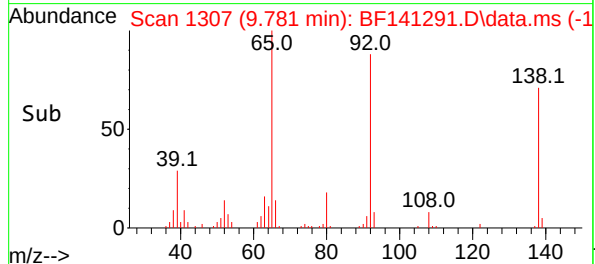
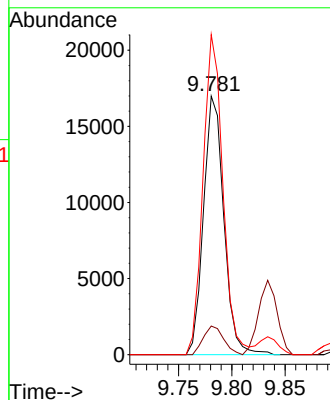
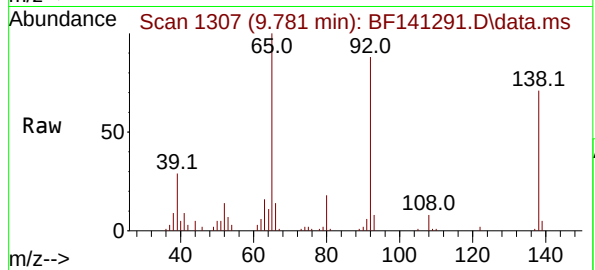




#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

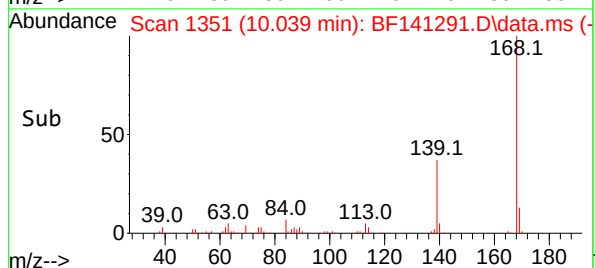
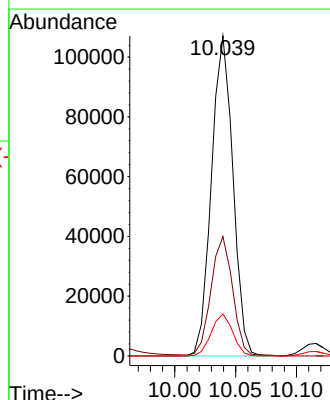
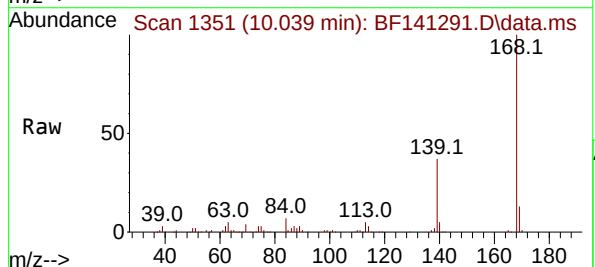
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

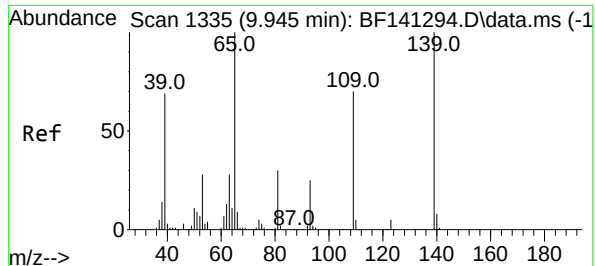
Tgt Ion:138 Resp: 22582
Ion Ratio Lower Upper
138 100
108 11.1 8.6 12.8
92 123.7 91.0 136.6



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

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





#56

4-Nitrophenol

Concen: 4.226 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

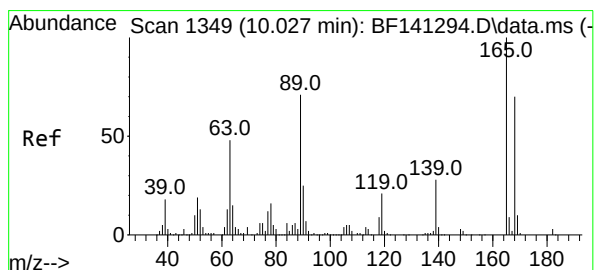
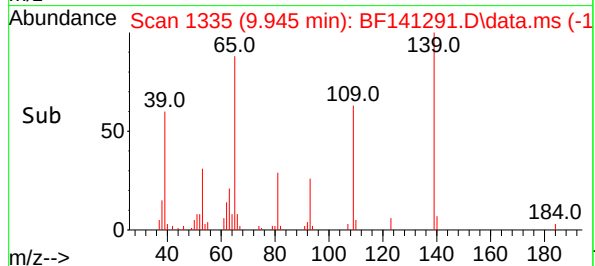
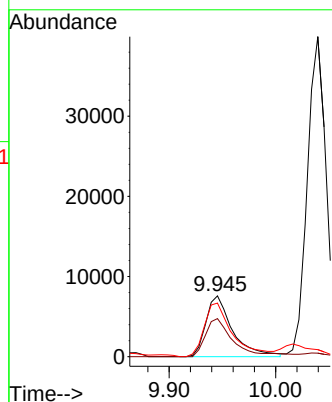
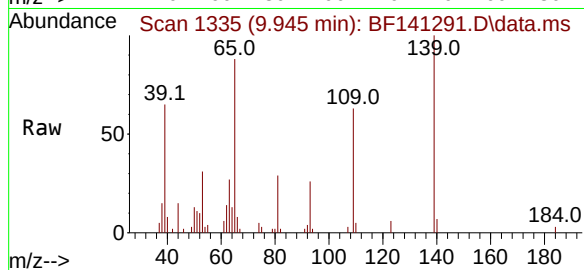
Tgt Ion:139 Resp: 13160

Ion Ratio Lower Upper

139 100

109 62.7 50.2 90.2

65 88.2 80.6 120.6



#57

2,4-Dinitrotoluene

Concen: 5.268 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

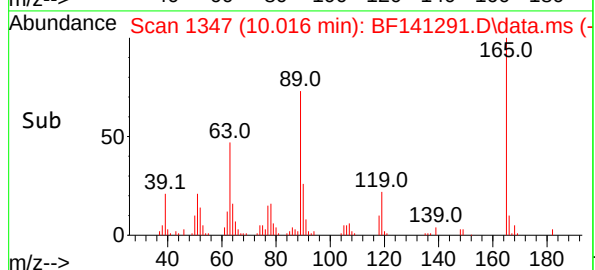
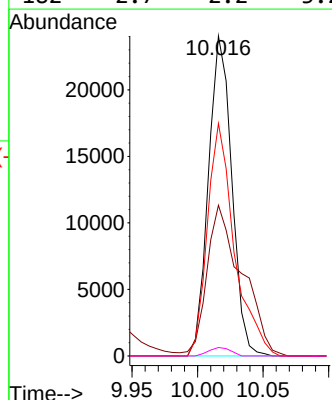
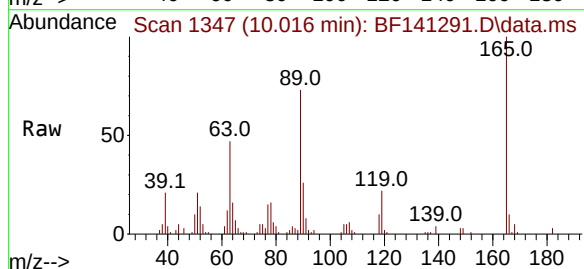
Ion Ratio Lower Upper

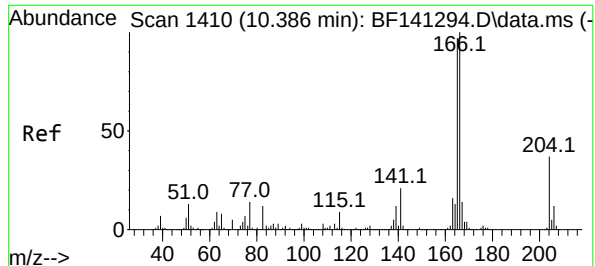
165 100

63 47.1 39.2 58.8

89 72.7 56.9 85.3

182 2.7 2.2 3.2





#58

Fluorene

Concen: 6.002 ng

RT: 10.381 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

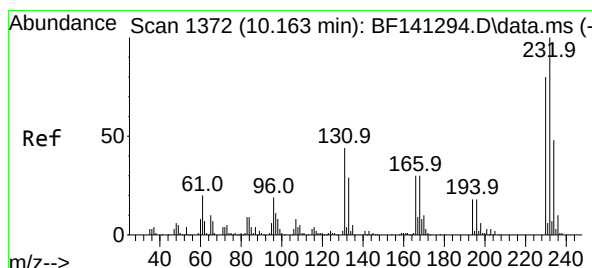
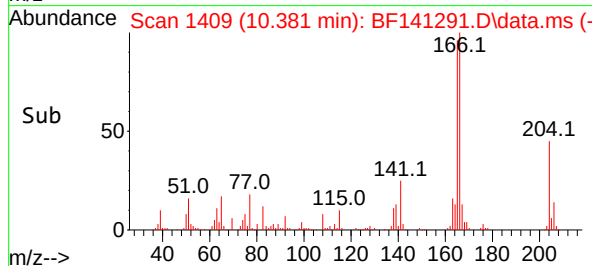
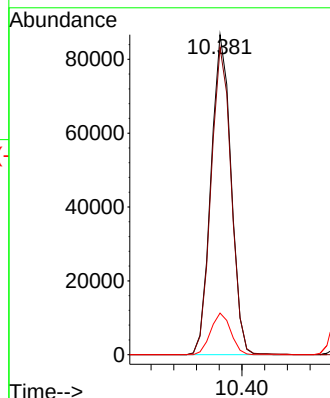
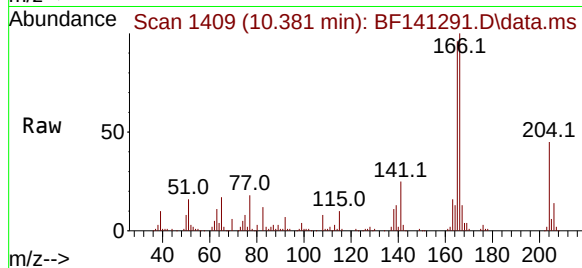
Tgt Ion:166 Resp: 106198

Ion Ratio Lower Upper

166 100

165 96.0 77.5 116.3

167 13.0 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.090 ng

RT: 10.157 min Scan# 1371

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

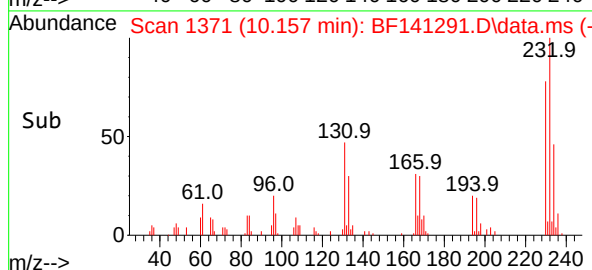
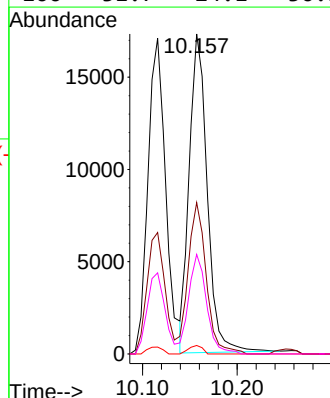
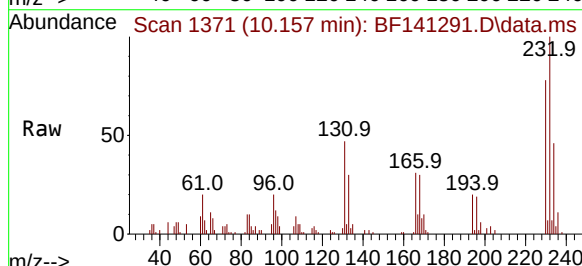
Ion Ratio Lower Upper

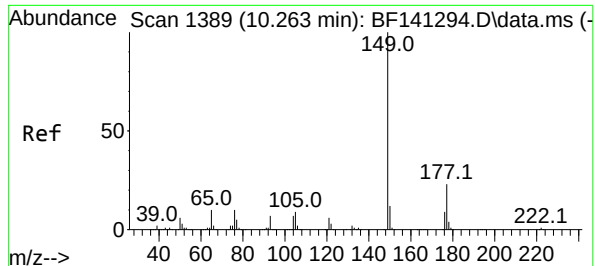
232 100

131 48.3 36.4 54.6

130 2.1 1.9 2.9

166 31.7 24.1 36.1





#60

Diethylphthalate

Concen: 5.660 ng

RT: 10.251 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

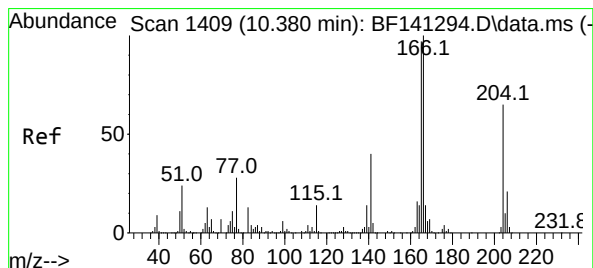
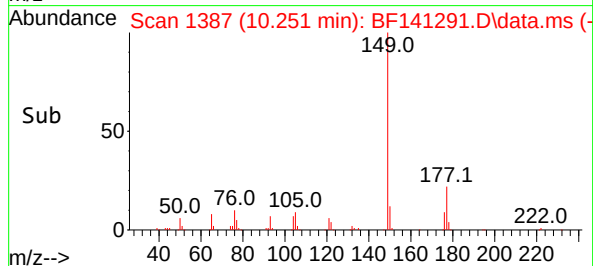
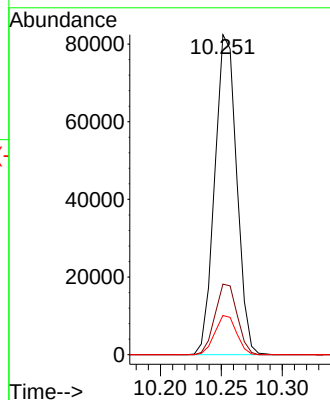
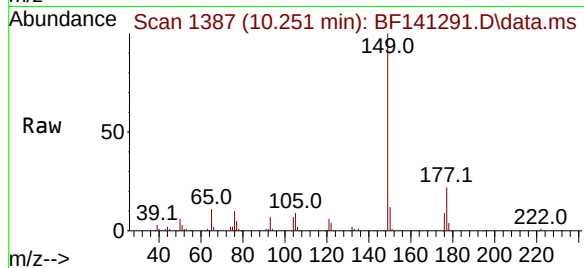
Tgt Ion:149 Resp: 103307

Ion Ratio Lower Upper

149 100

177 22.1 18.5 27.7

150 12.3 10.0 15.0



#61

4-Chlorophenyl-phenylether

Concen: 6.007 ng

RT: 10.375 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

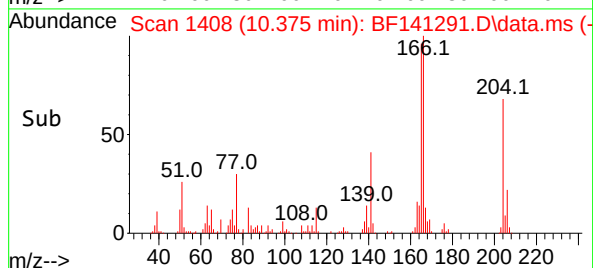
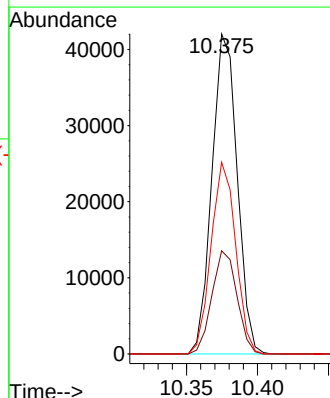
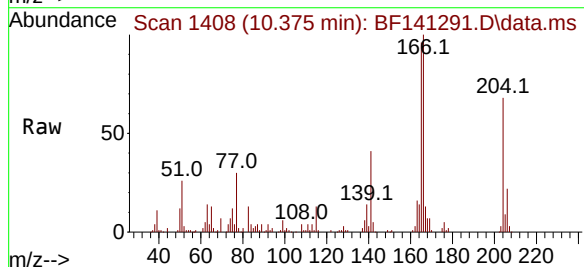
Tgt Ion:204 Resp: 51875

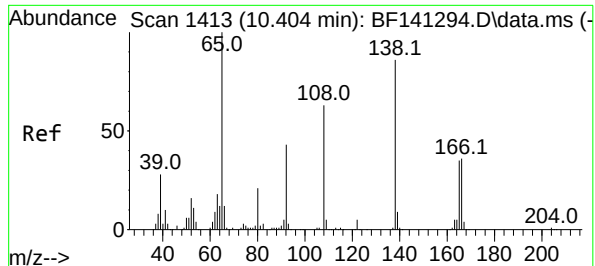
Ion Ratio Lower Upper

204 100

206 32.3 25.9 38.9

141 59.9 49.5 74.3

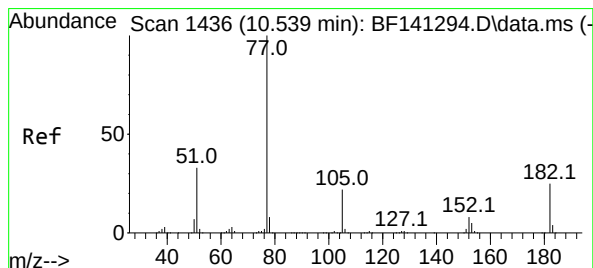
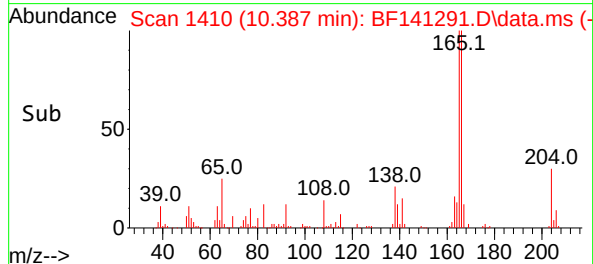
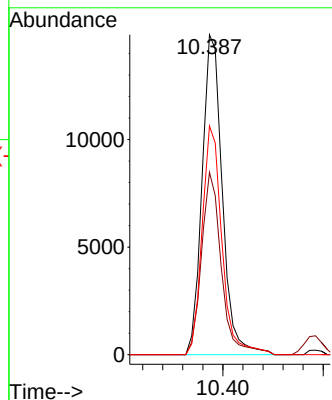
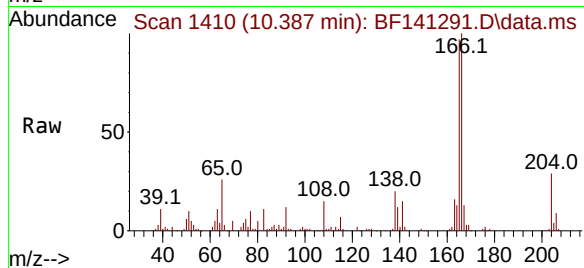




#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

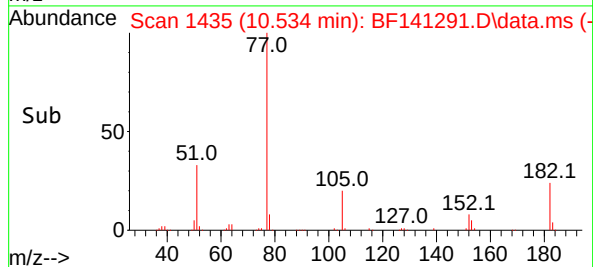
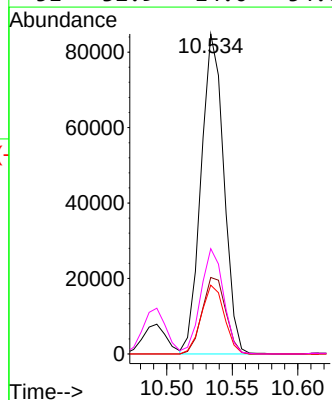
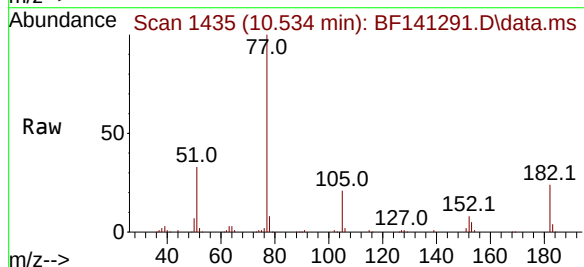
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

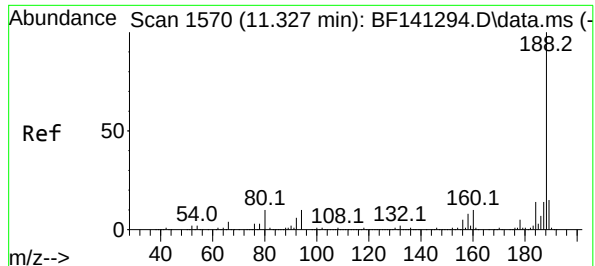
Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.0	30.1	70.1
108	71.5	53.1	93.1



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

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

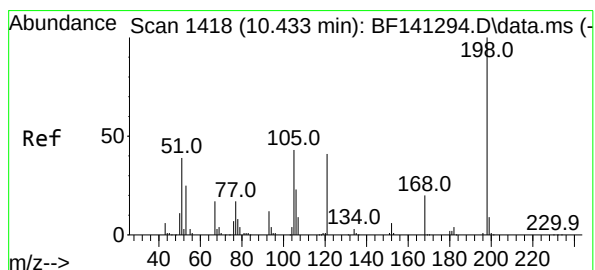
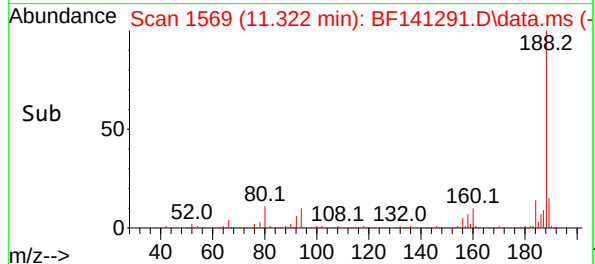
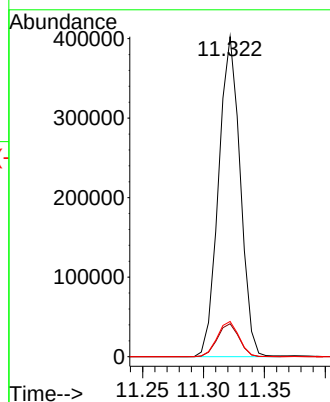
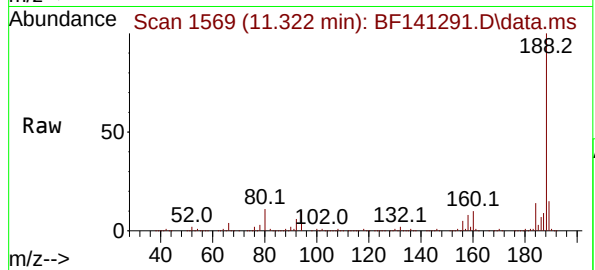




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

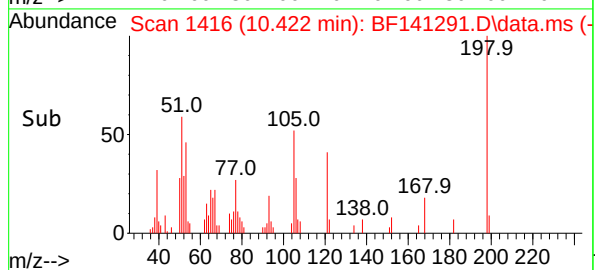
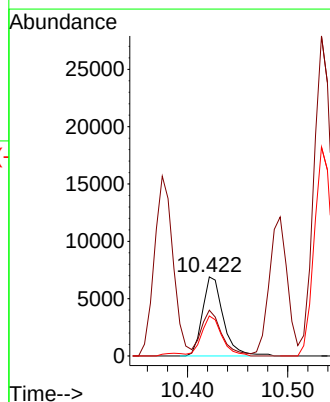
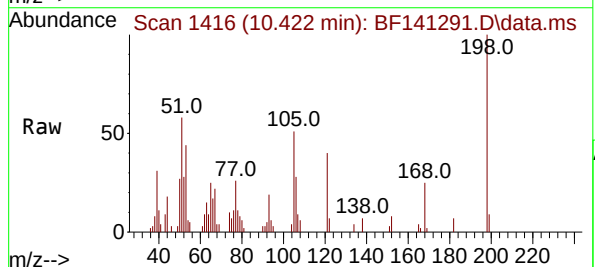
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

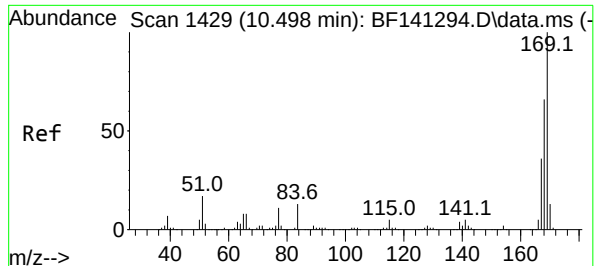
Tgt Ion:188 Resp: 497368
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.0 8.2 12.4



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

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

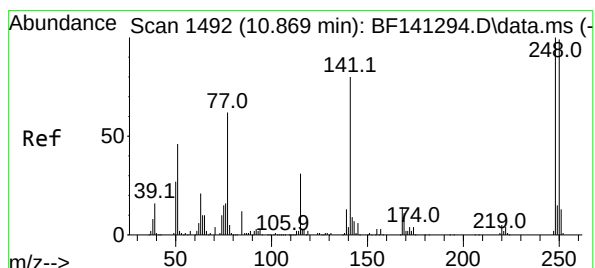
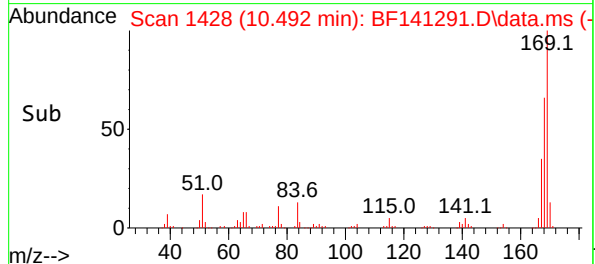
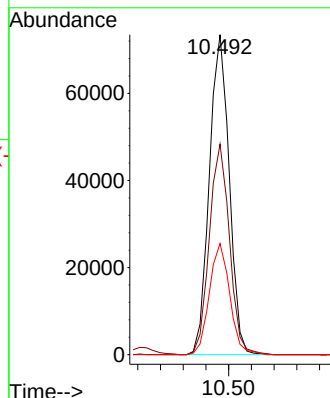
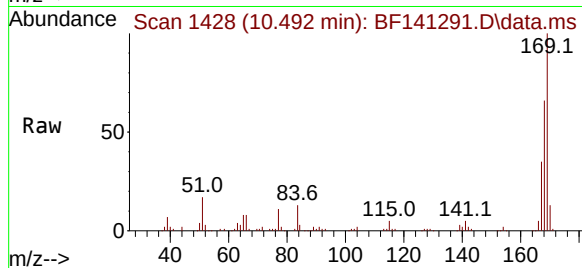




#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

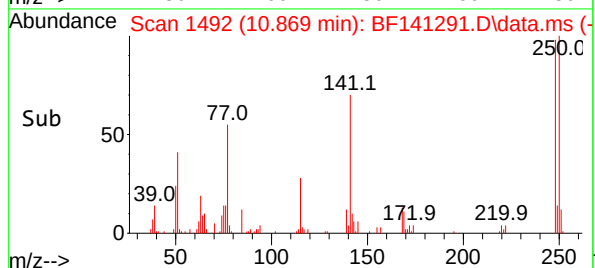
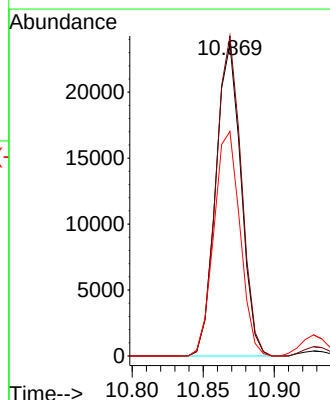
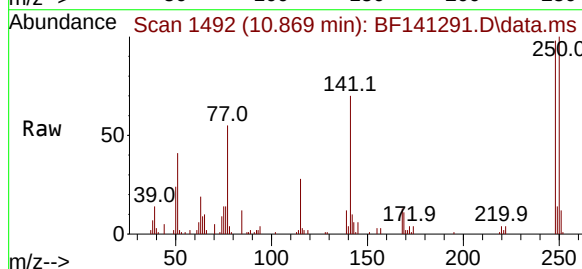
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

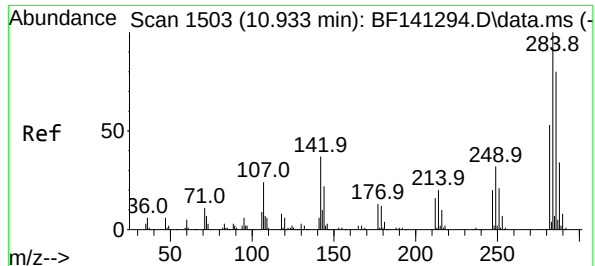
Tgt Ion:169 Resp: 89060
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 34.7 28.8 43.2



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

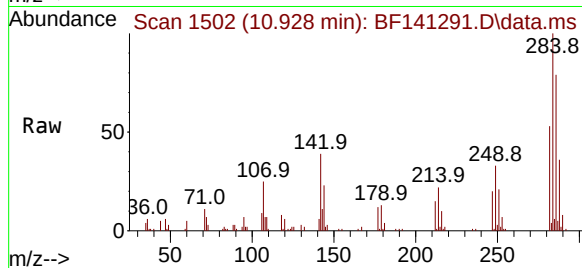
Tgt Ion:248 Resp: 29160
Ion Ratio Lower Upper
248 100
250 102.5 79.0 118.4
141 71.9 63.7 95.5



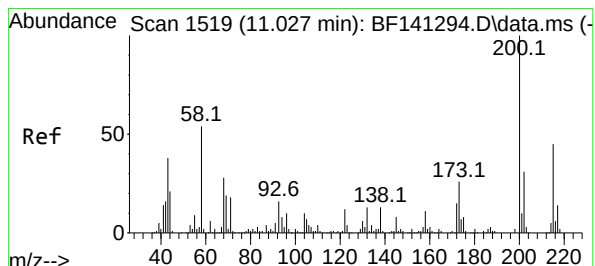
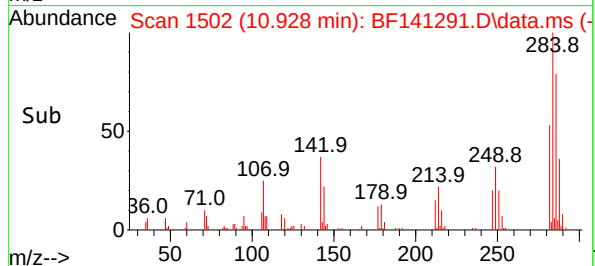
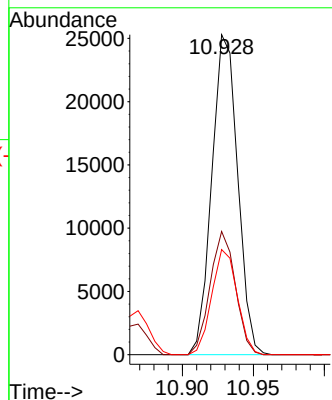


#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

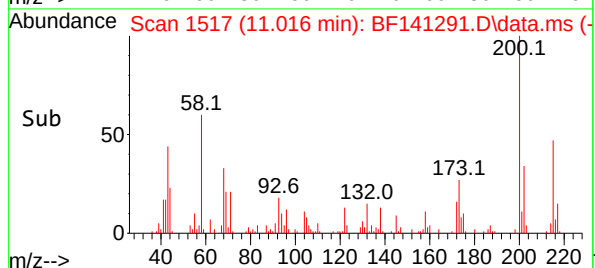
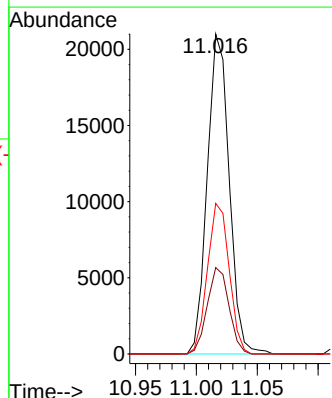
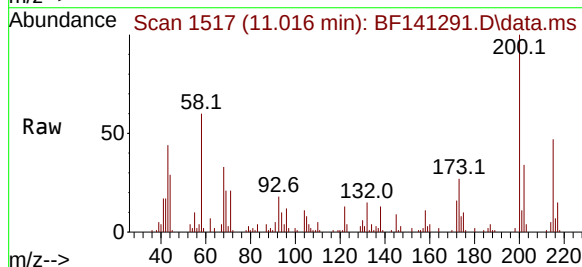


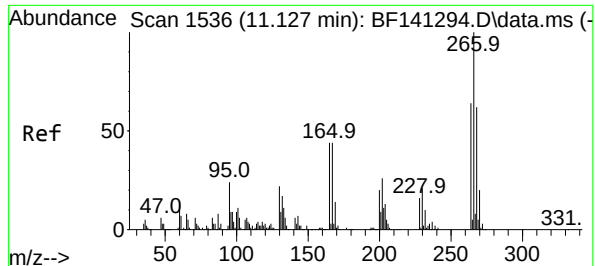
Tgt Ion:284 Resp: 31990
Ion Ratio Lower Upper
284 100
142 38.5 29.5 44.3
249 32.8 25.4 38.2



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

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

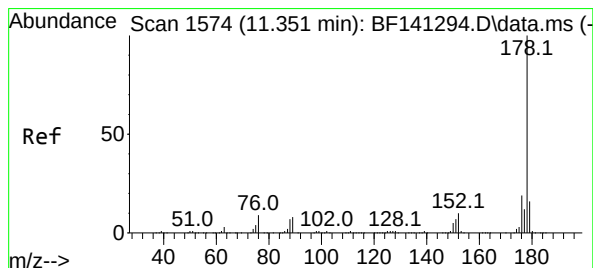
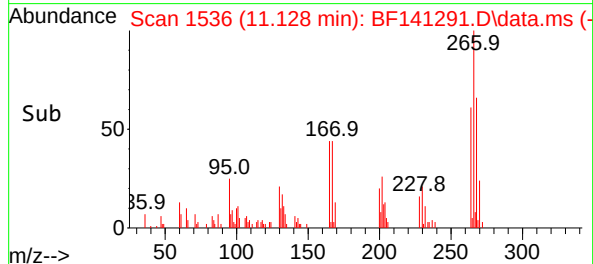
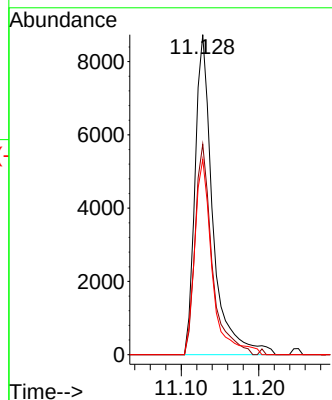
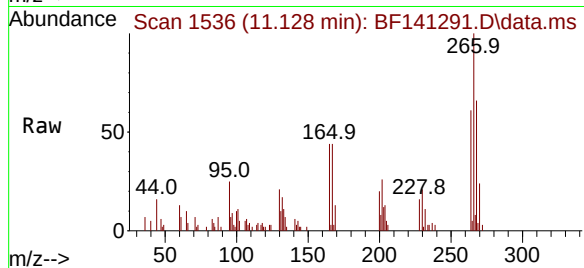




#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

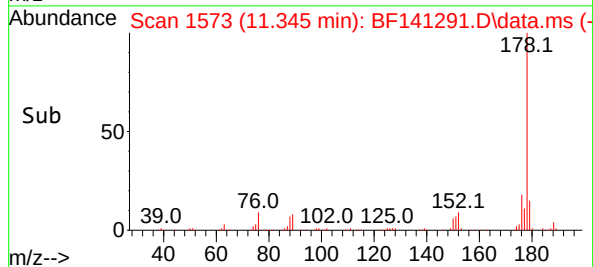
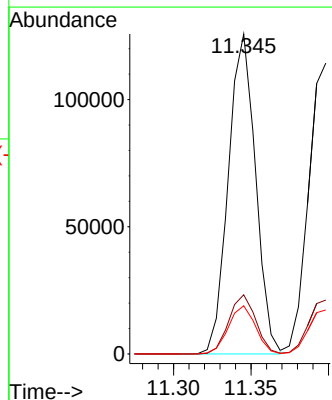
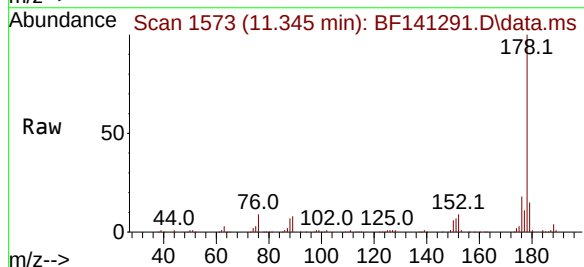
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

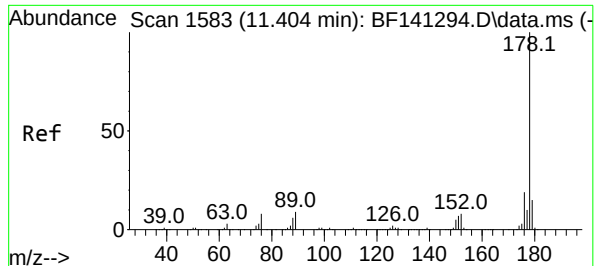
Tgt Ion:266 Resp: 13924
Ion Ratio Lower Upper
266 100
268 65.7 49.9 74.9
264 61.1 51.0 76.4



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

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

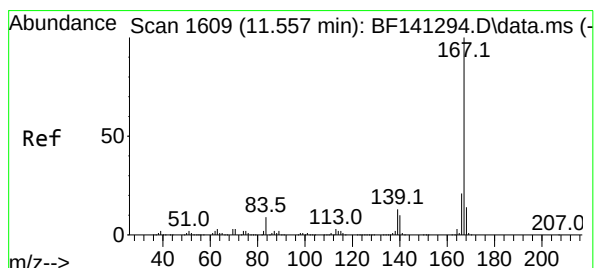
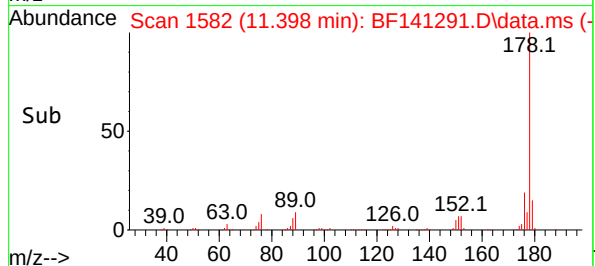
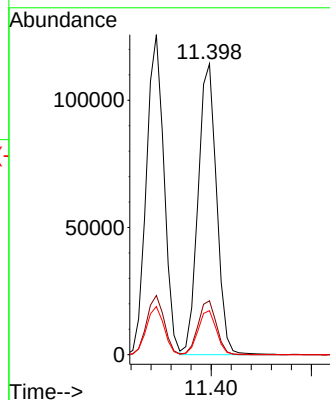
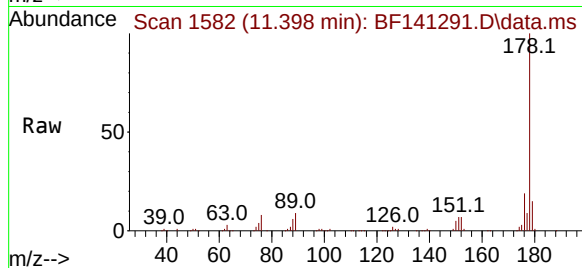




#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

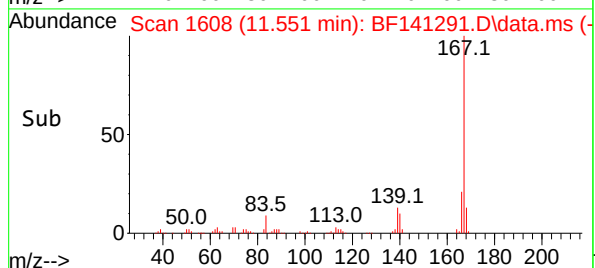
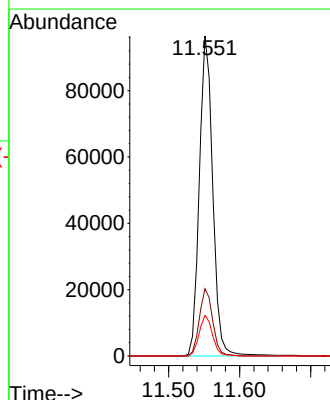
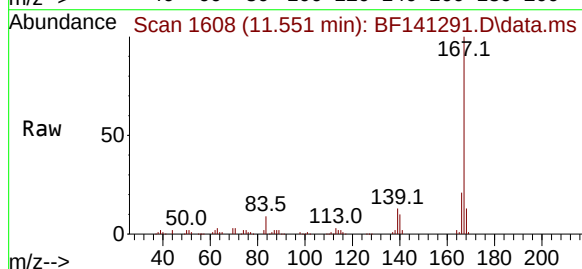
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

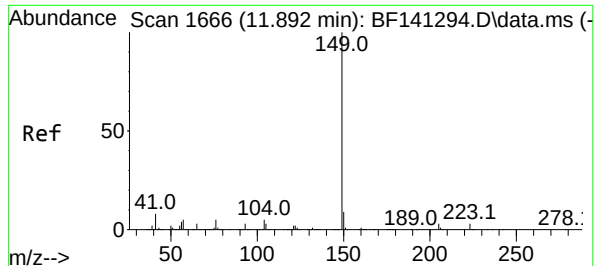
Tgt Ion:178 Resp: 146593
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.1 12.3 18.5



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

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

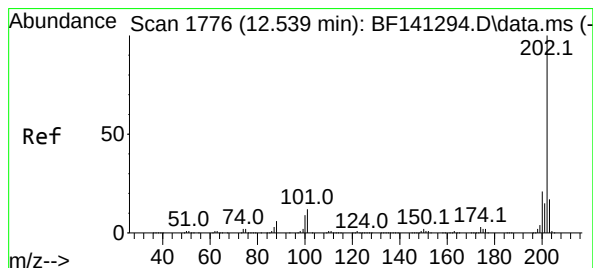
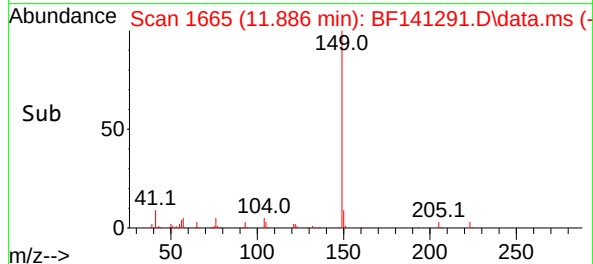
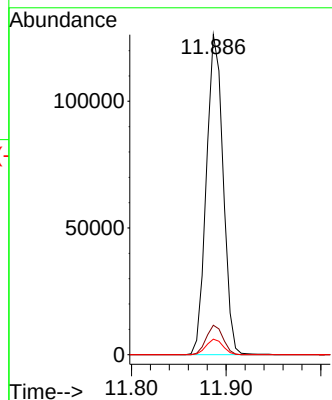
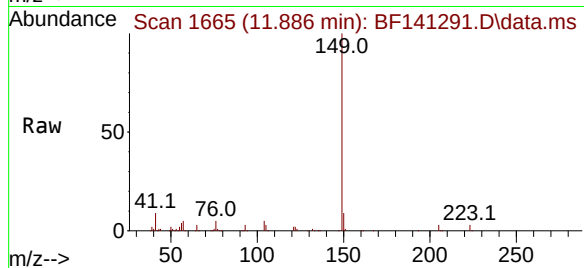




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

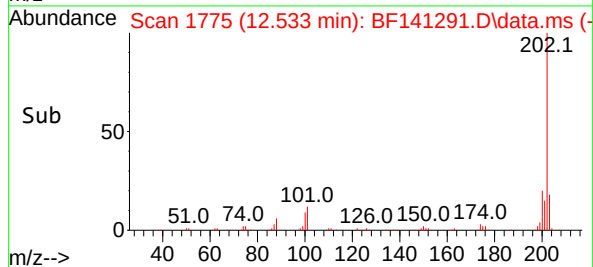
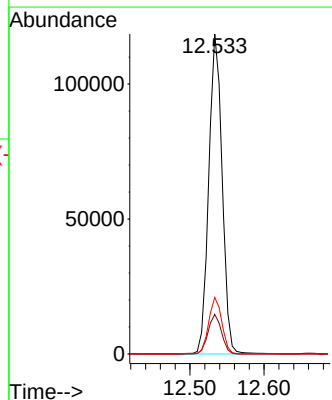
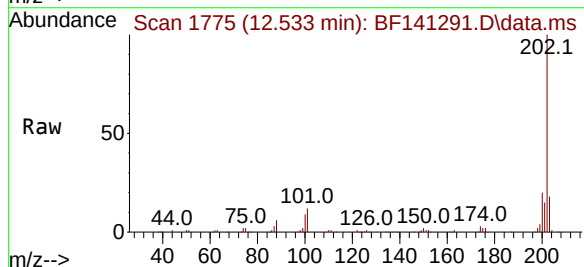
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

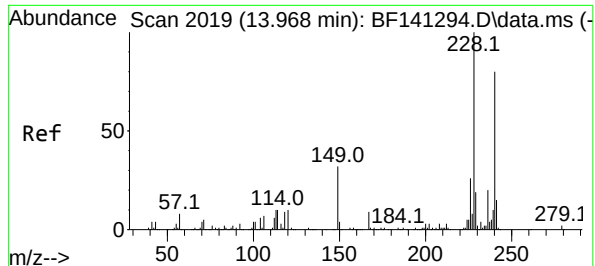
Tgt Ion:149 Resp: 154718
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9



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

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

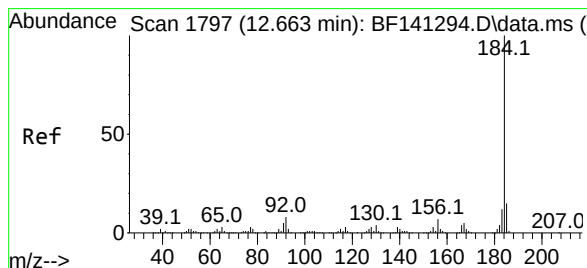
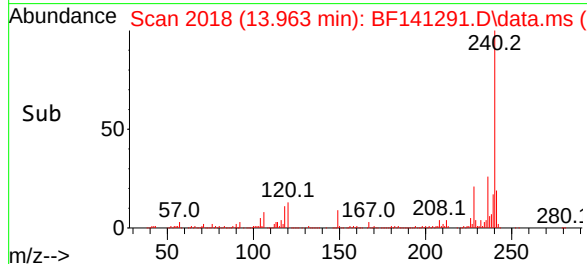
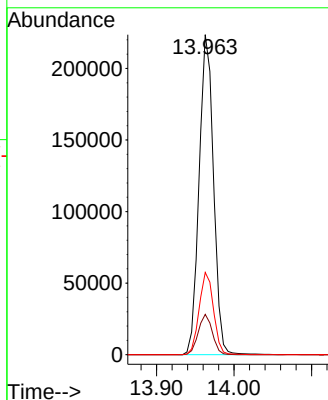
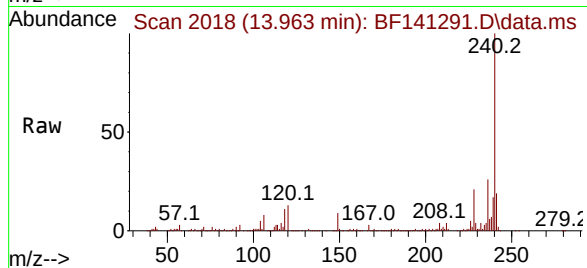




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

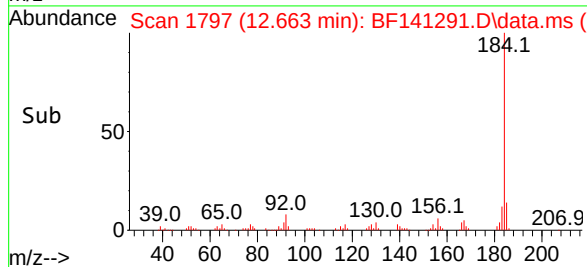
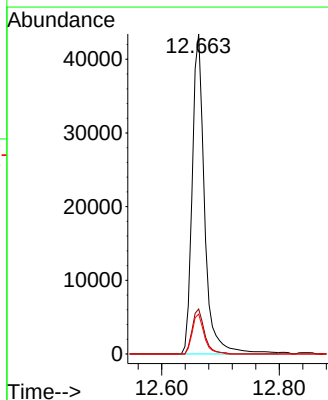
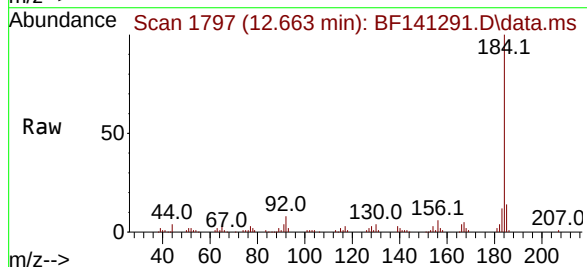
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

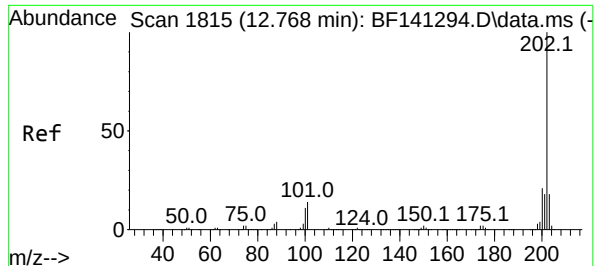
Tgt Ion:240 Resp: 288657
Ion Ratio Lower Upper
240 100
120 12.6 10.0 15.0
236 25.7 19.7 29.5



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

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

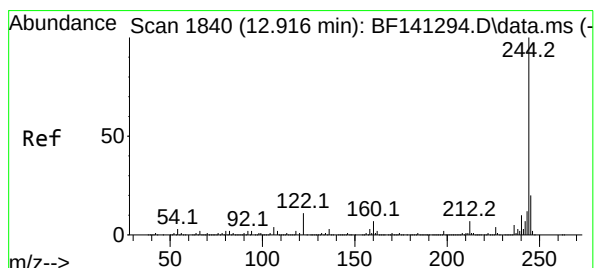
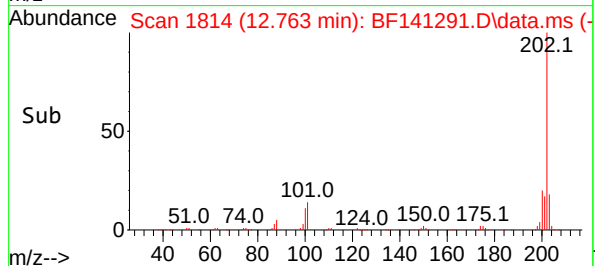
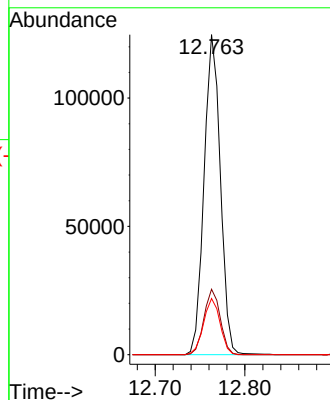
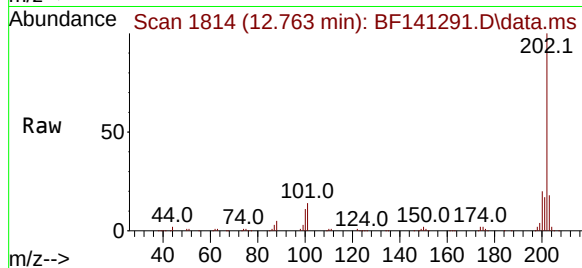




#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

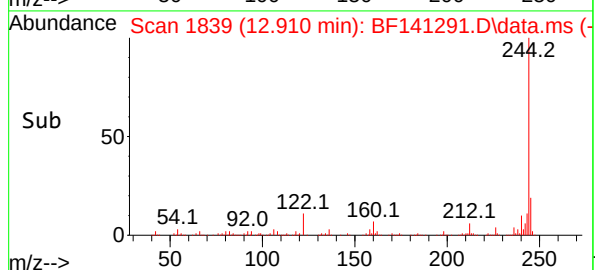
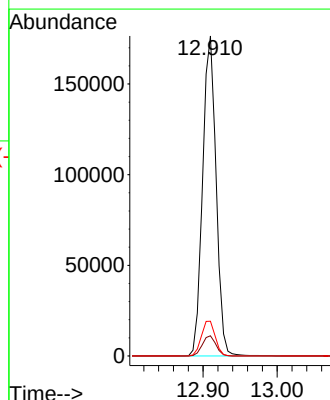
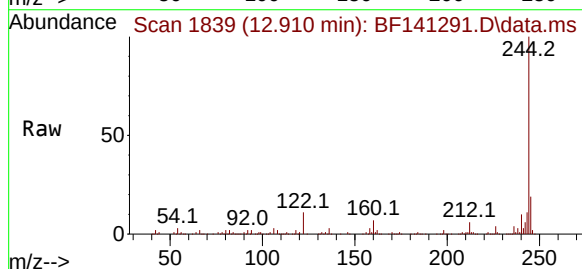
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

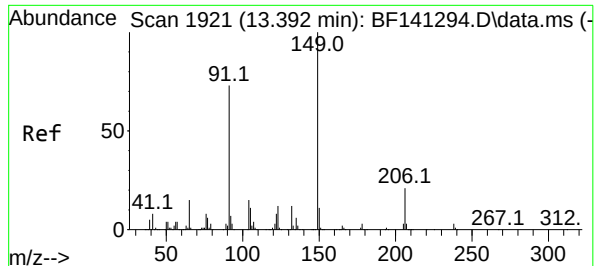
Tgt Ion:202 Resp: 157175
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 17.6 14.3 21.5



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

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





#80

Butylbenzylphthalate

Concen: 5.140 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

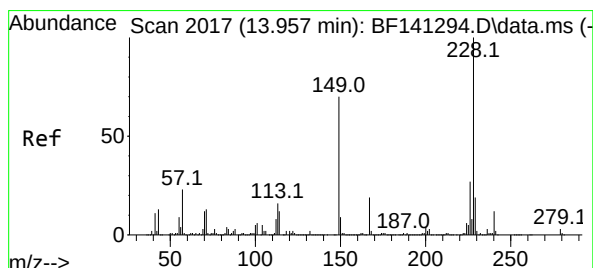
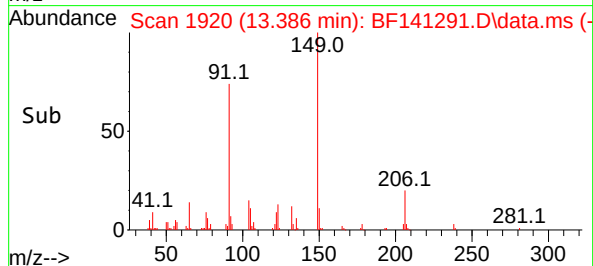
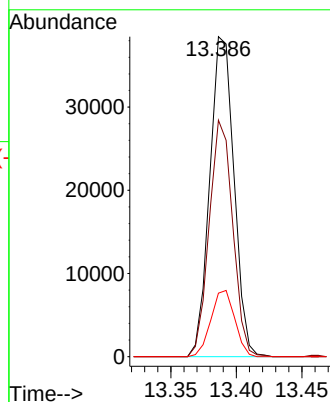
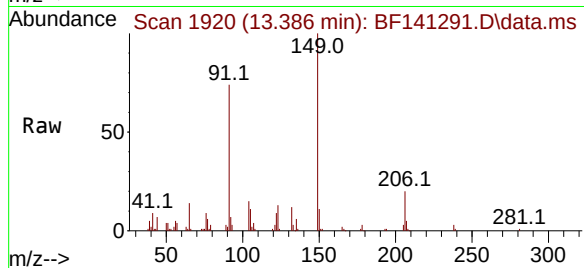
Tgt Ion:149 Resp: 49477

Ion Ratio Lower Upper

149 100

91 73.9 58.6 87.8

206 19.9 16.7 25.1



#81

Benzo(a)anthracene

Concen: 5.588 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

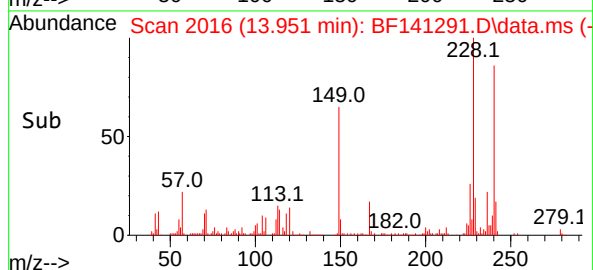
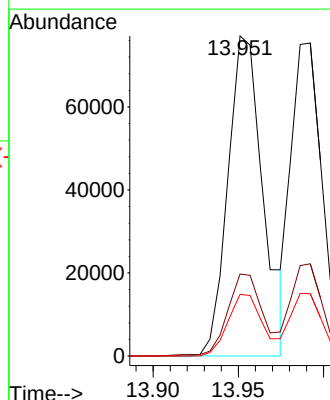
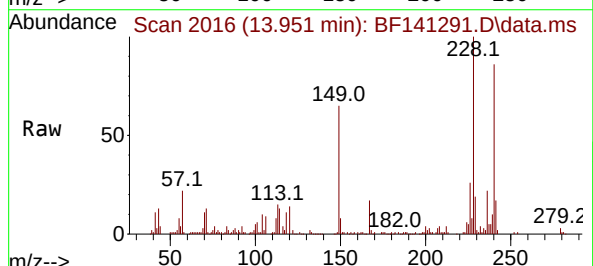
Tgt Ion:228 Resp: 110559

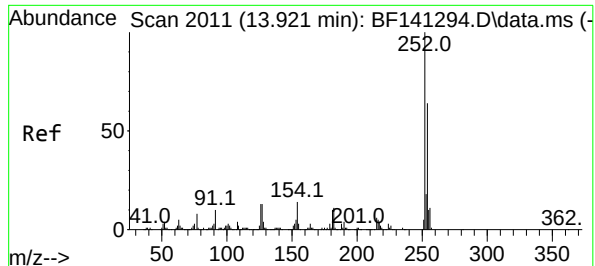
Ion Ratio Lower Upper

228 100

226 25.6 21.4 32.2

229 19.3 15.5 23.3

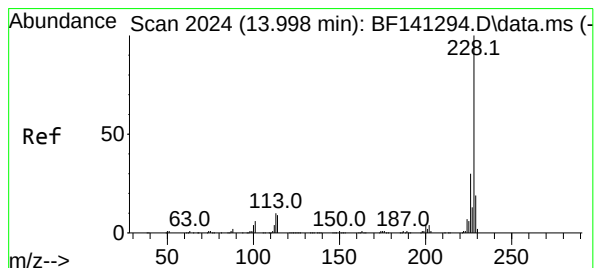
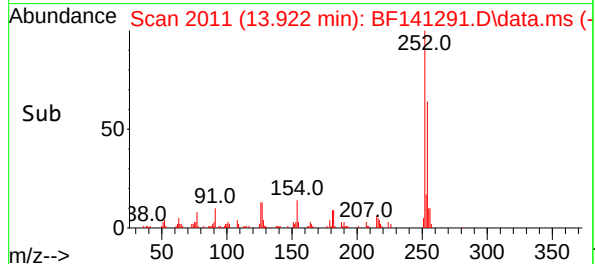
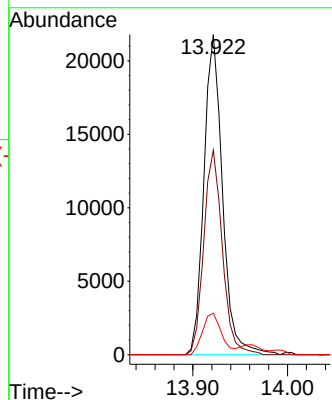
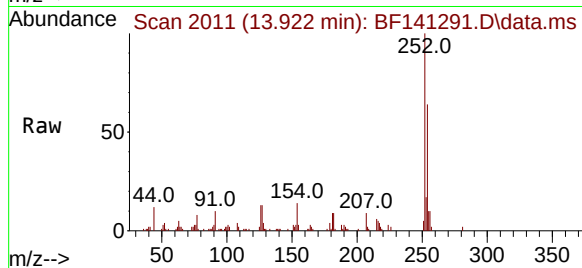




#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

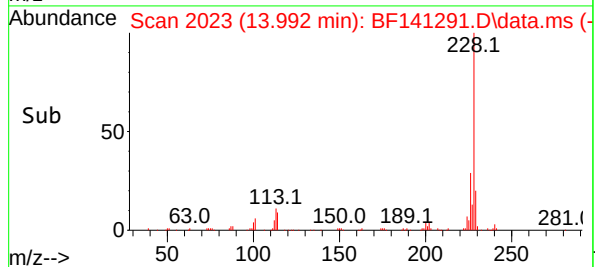
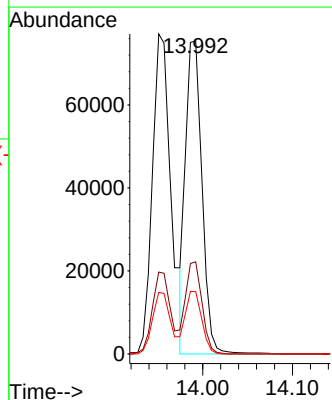
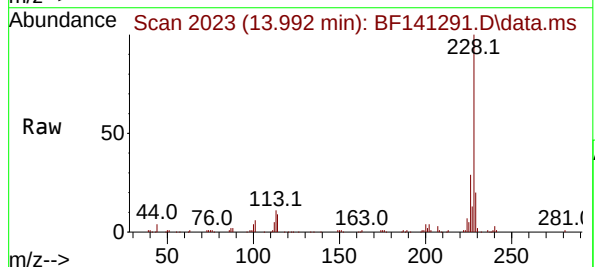
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

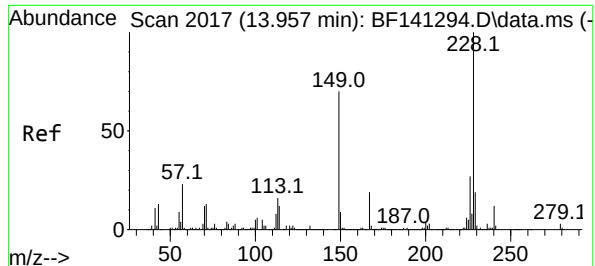
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0



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

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

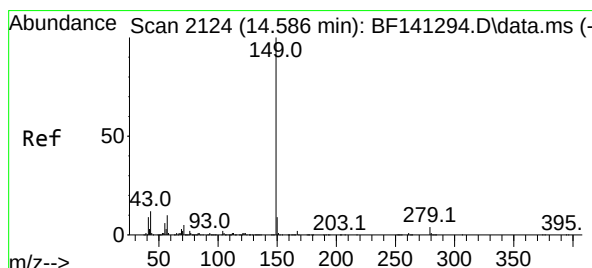
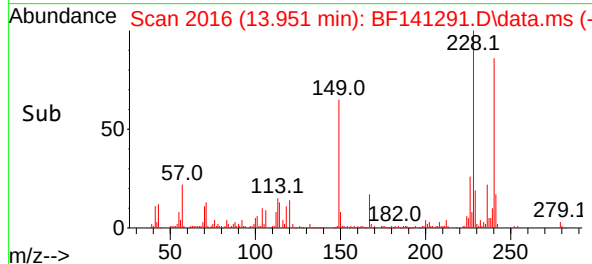
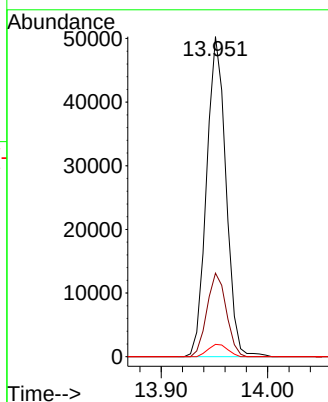
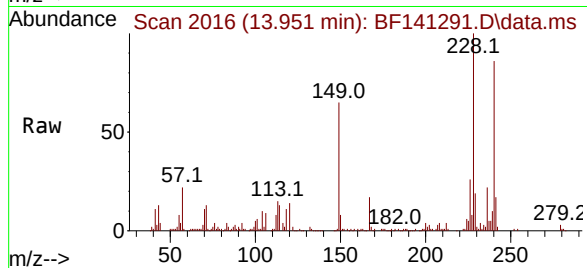




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

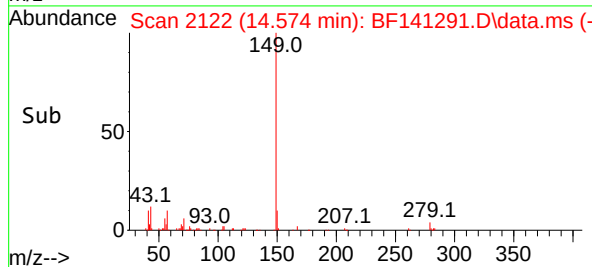
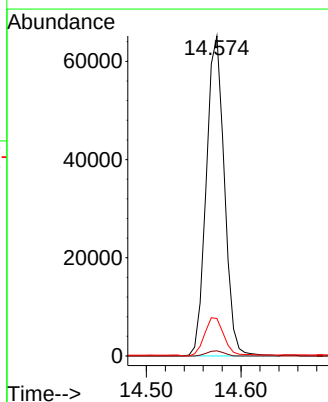
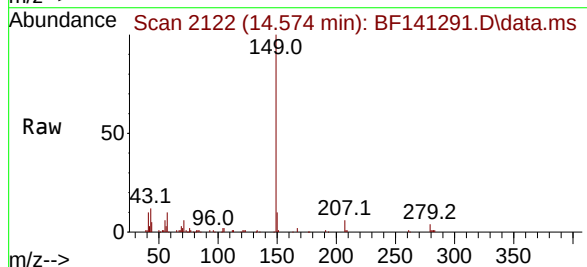
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

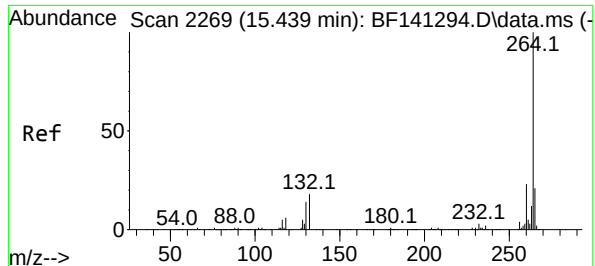
Tgt Ion:149 Resp: 63638
Ion Ratio Lower Upper
149 100
167 26.1 21.8 32.8
279 3.9 3.3 4.9



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

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

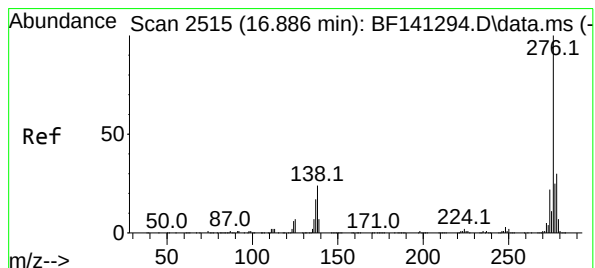
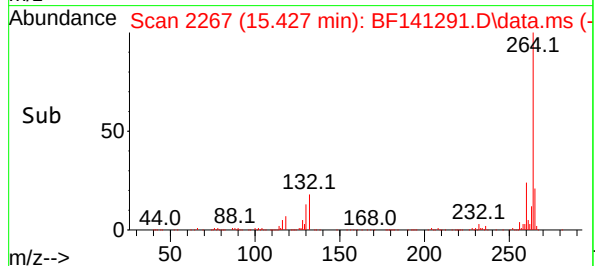
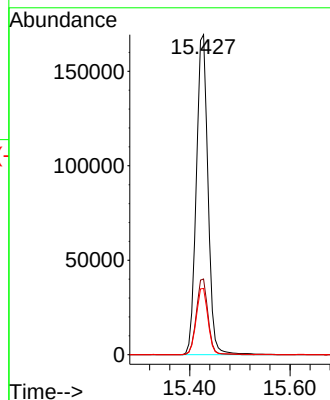
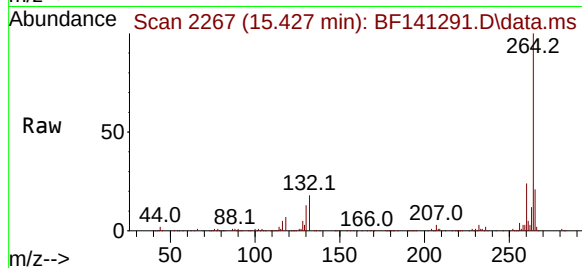




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

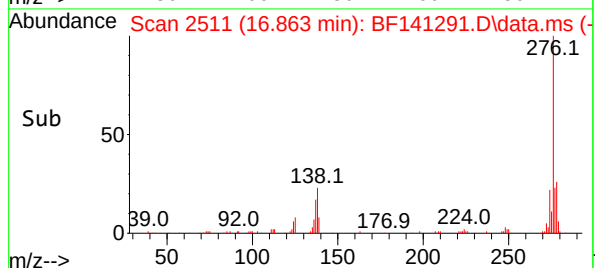
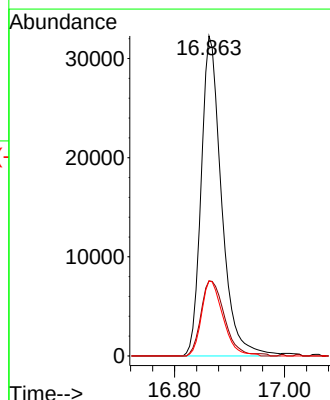
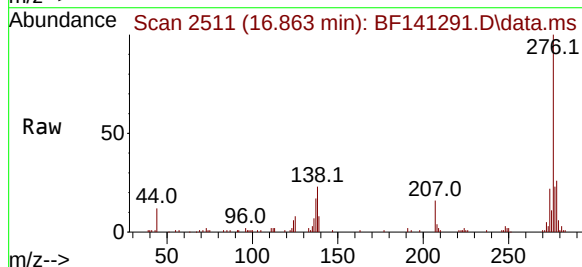
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

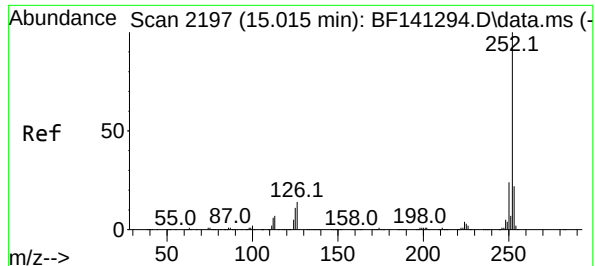
Tgt Ion:264 Resp: 273117
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 20.7 16.7 25.1



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

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





#88

Benzo(b)fluoranthene

Concen: 5.465 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

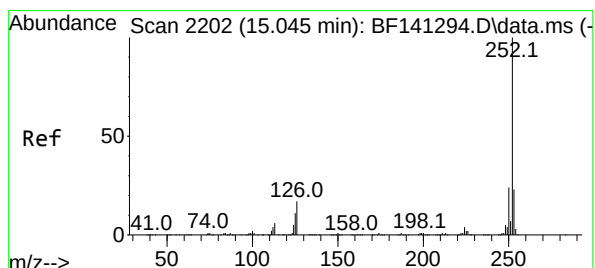
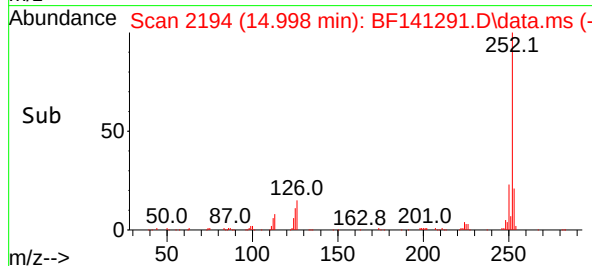
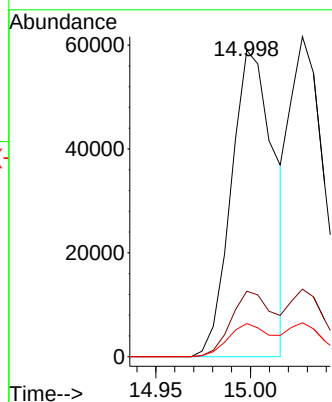
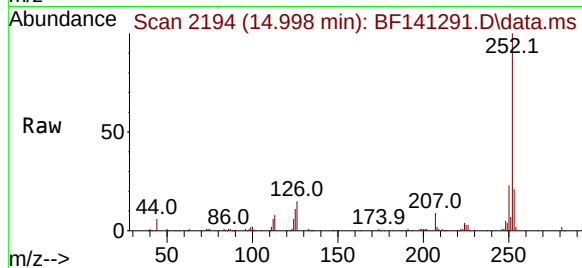
Tgt Ion:252 Resp: 92690

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.8 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 5.247 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF141291.D

Acq: 29 Jan 2025 10:56

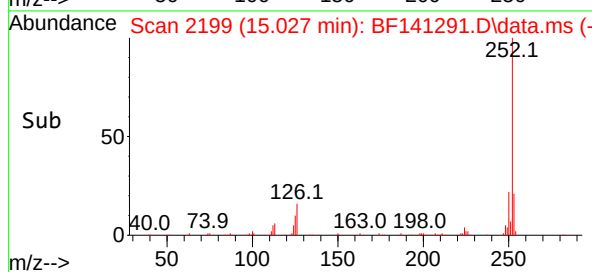
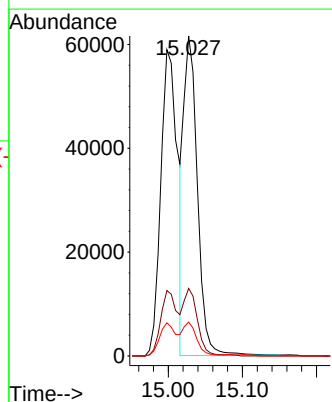
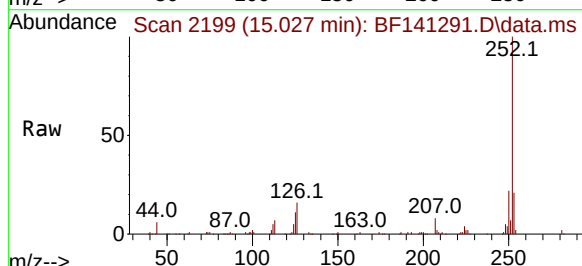
Tgt Ion:252 Resp: 79701

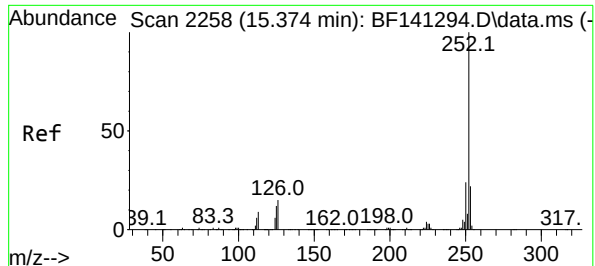
Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

125 10.6 8.4 12.6

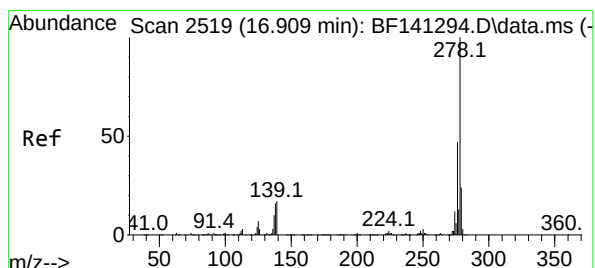
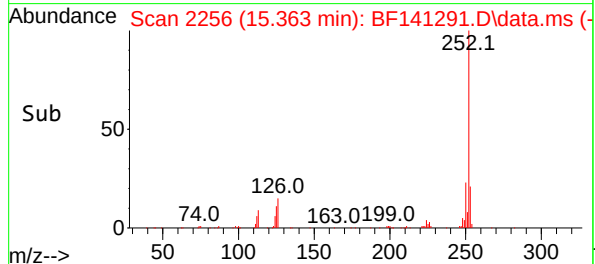
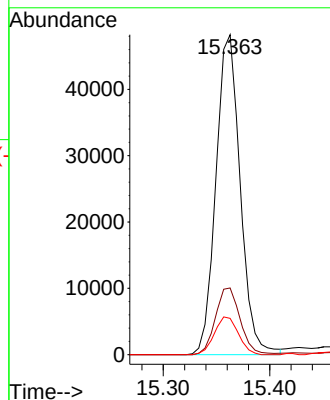
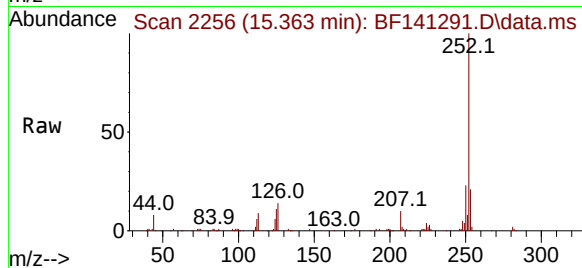




#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

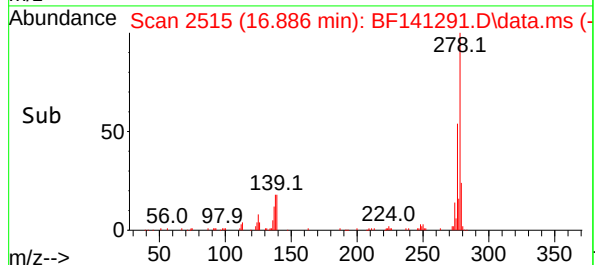
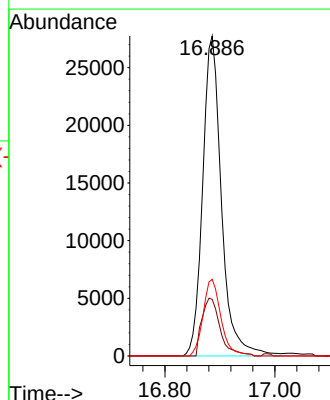
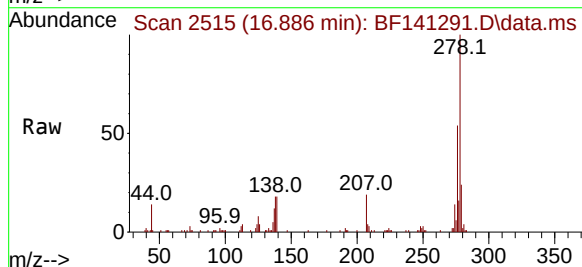
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

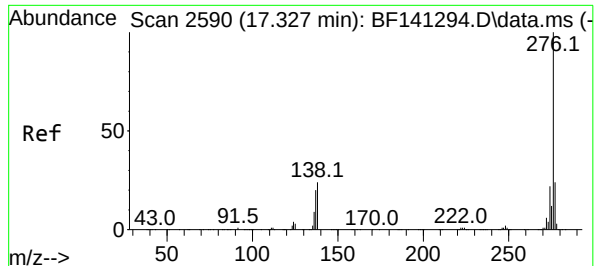
Tgt Ion:252 Resp: 76368
Ion Ratio Lower Upper
252 100
253 20.9 17.2 25.8
125 11.3 9.4 14.2



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

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





#92

Benzo(g,h,i)perylene

Concen: 4.591 ng

RT: 17.298 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141291.D

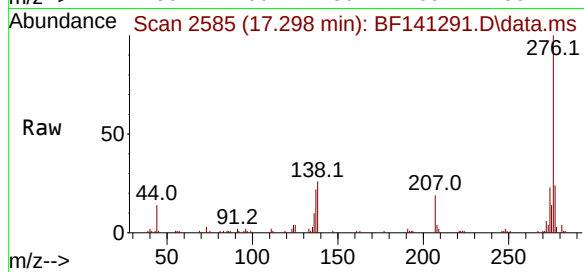
Acq: 29 Jan 2025 10:56

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



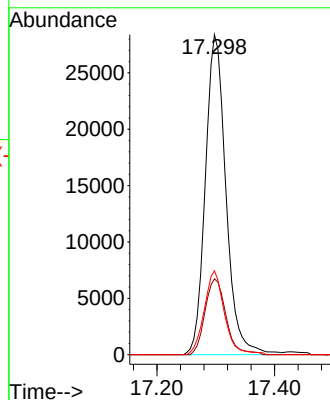
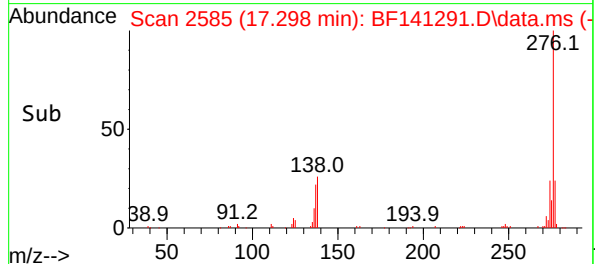
Tgt Ion:276 Resp: 69049

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 26.2 19.0 28.4



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

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

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

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

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 16:29:06 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

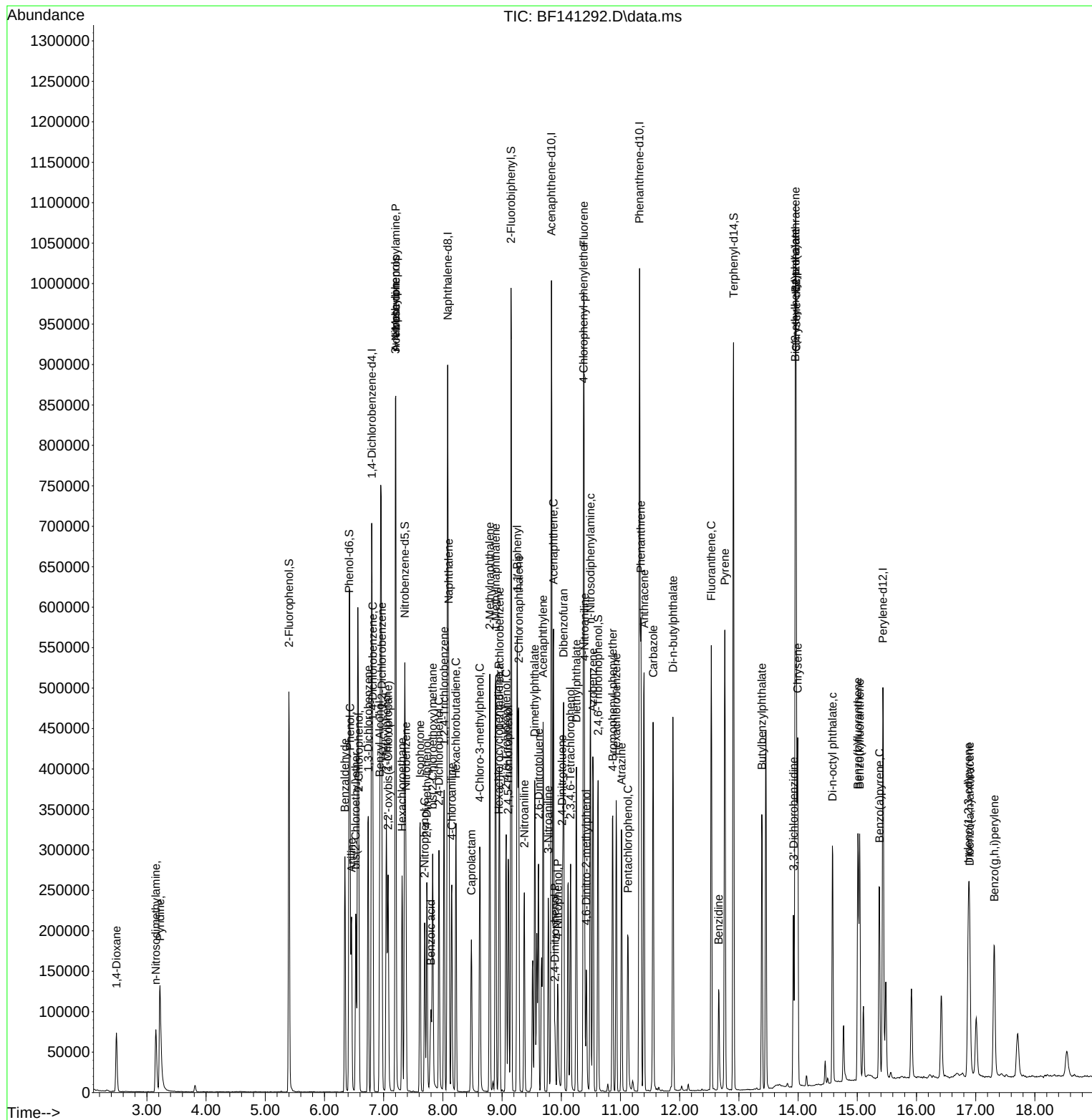
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99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

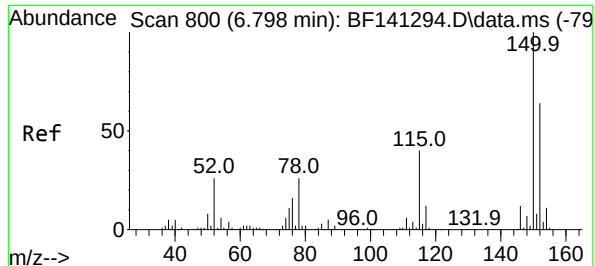
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

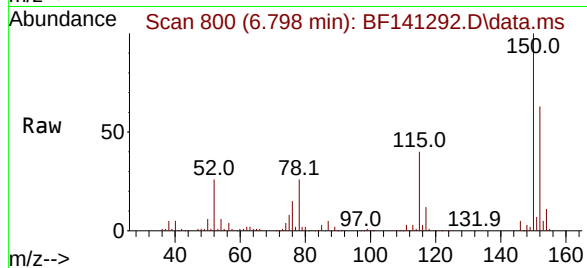
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025





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

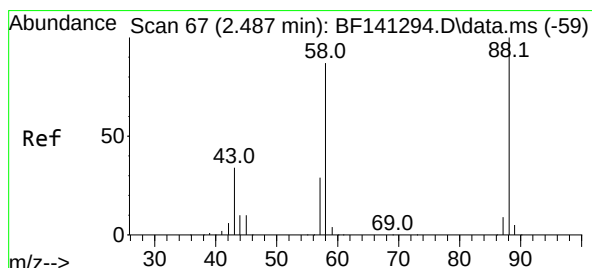
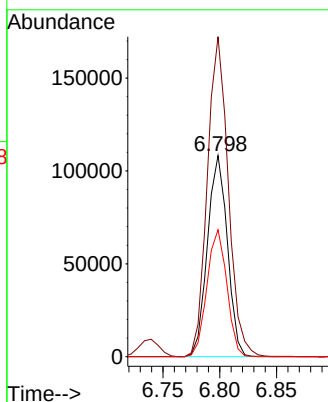
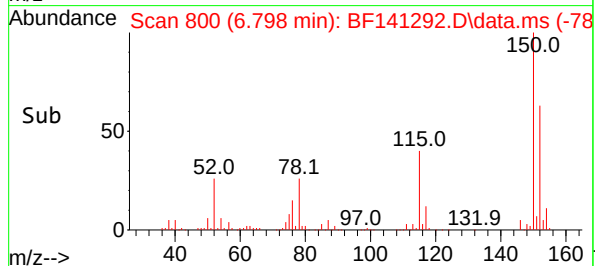
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

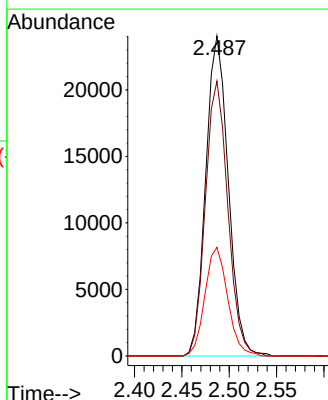
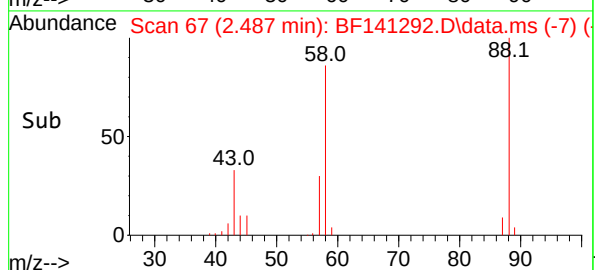
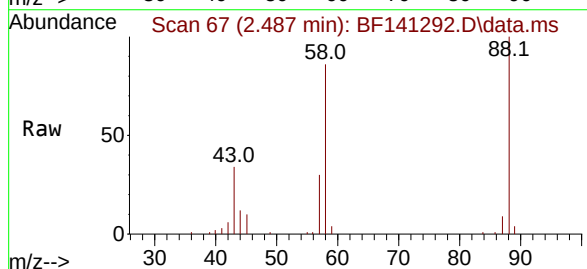
Manual Integrations
APPROVED

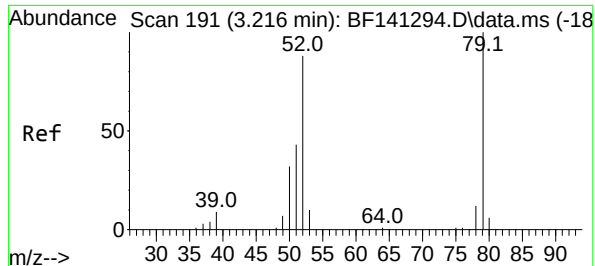
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

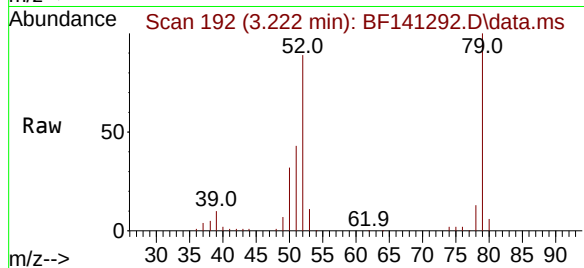
Tgt Ion: 88 Resp: 39830
Ion Ratio Lower Upper
88 100
58 85.5 70.2 105.4
43 34.3 27.6 41.4





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

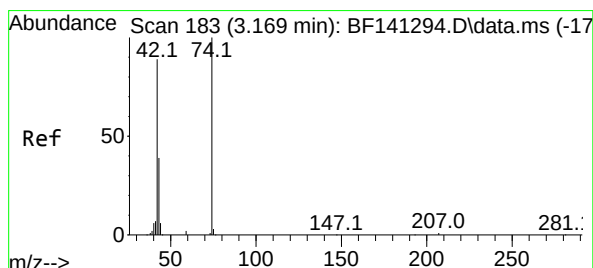
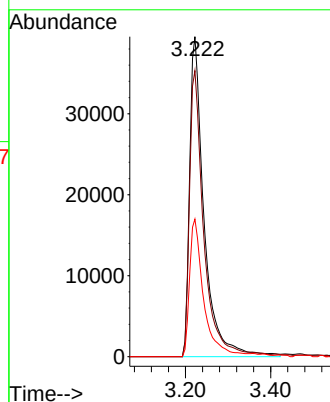
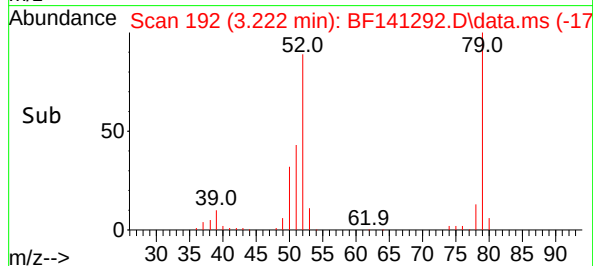
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

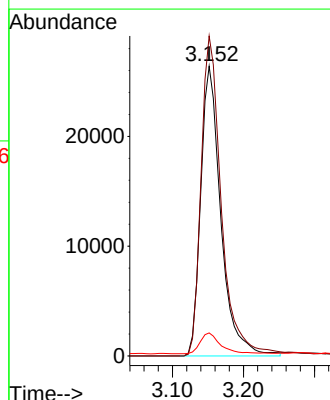
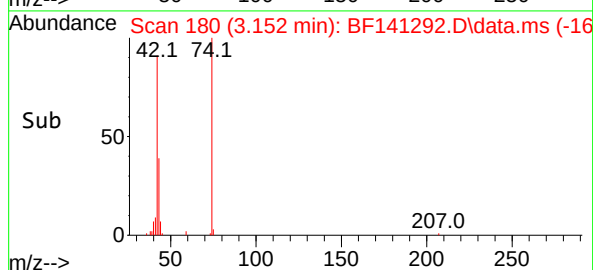
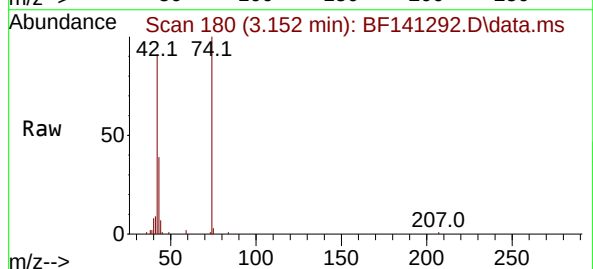
Manual Integrations
APPROVED

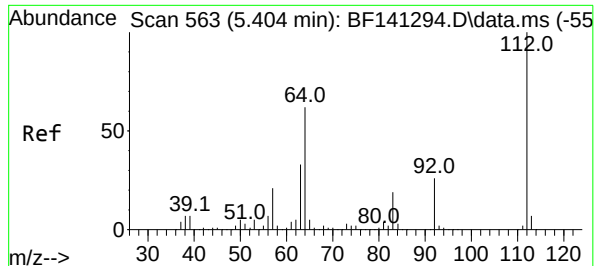
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

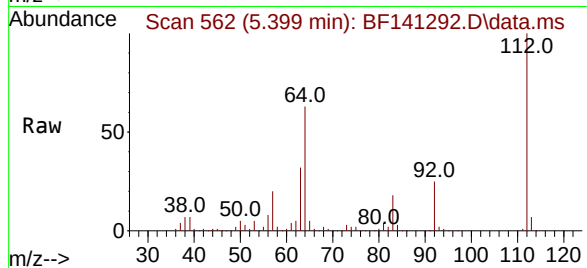
Tgt Ion: 42 Resp: 52157
Ion Ratio Lower Upper
42 100
74 110.5 90.3 135.5
44 8.0 5.7 8.5





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

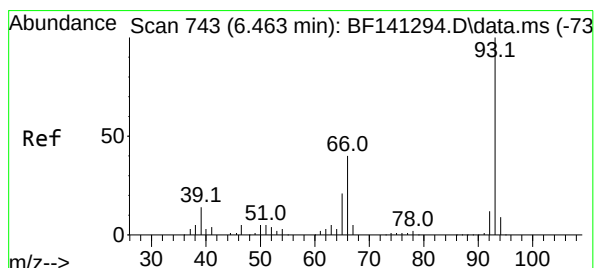
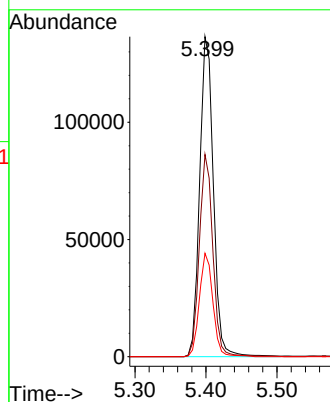
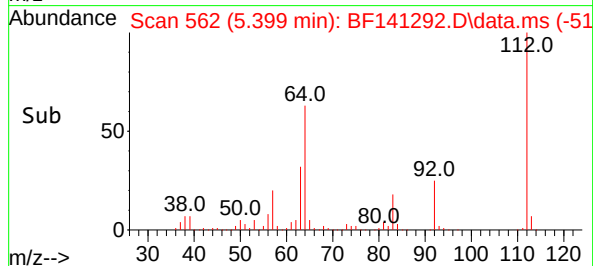
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

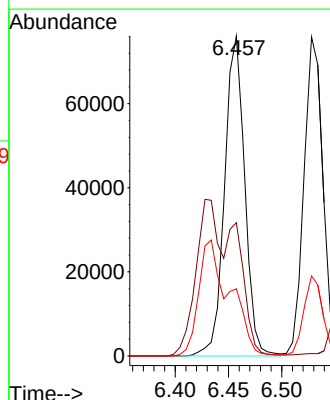
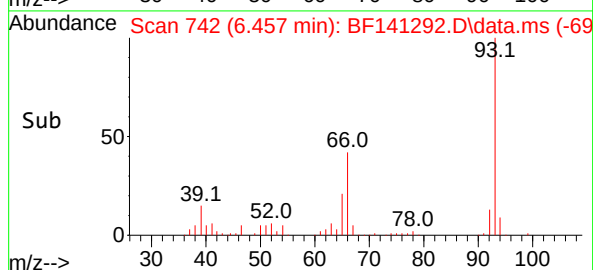
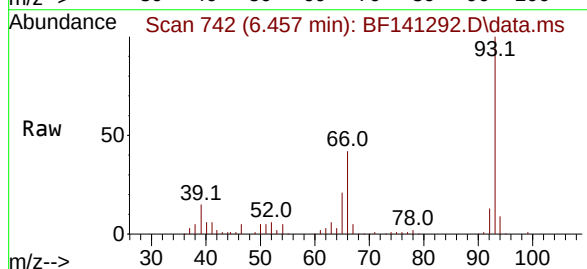
Manual Integrations
APPROVED

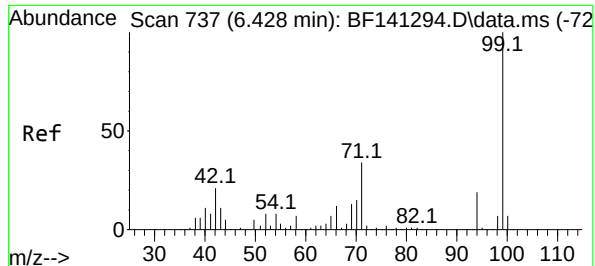
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#7

Phenol-d6

Concen: 21.836 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 99 Resp: 237908

Ion Ratio Lower Upper

99 100

42 20.8 17.1 25.7

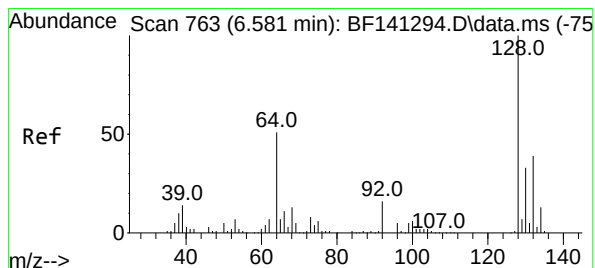
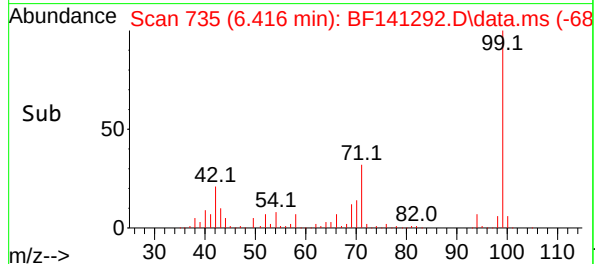
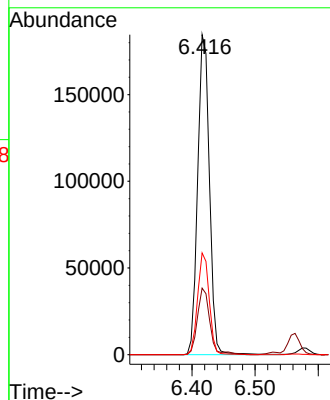
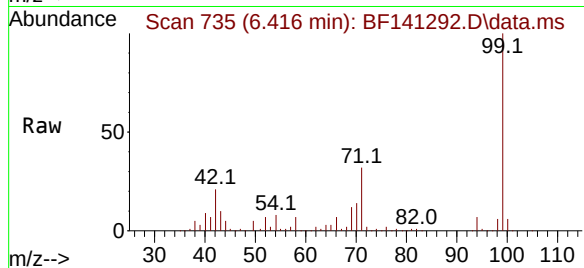
71 31.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 10.871 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

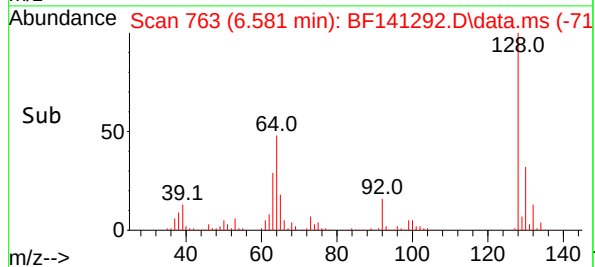
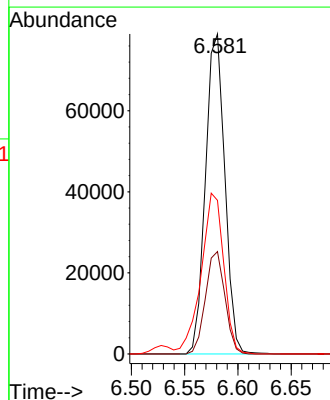
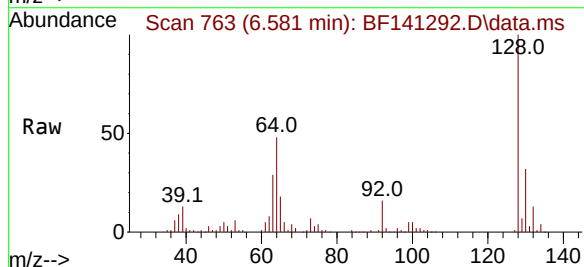
Tgt Ion:128 Resp: 99805

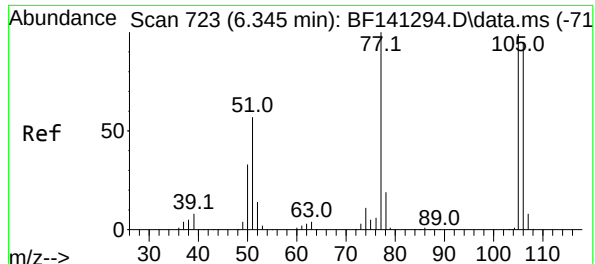
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 48.0 32.9 72.9





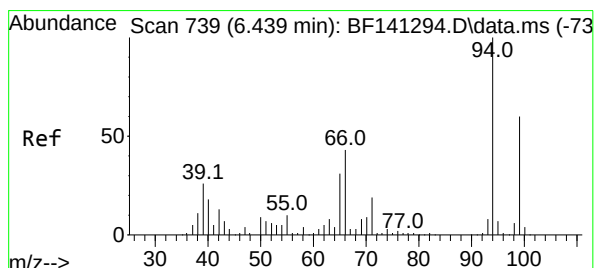
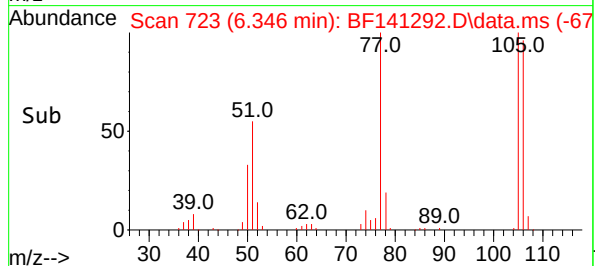
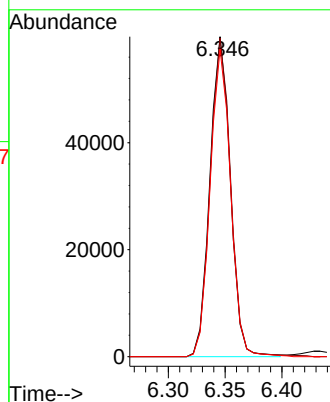
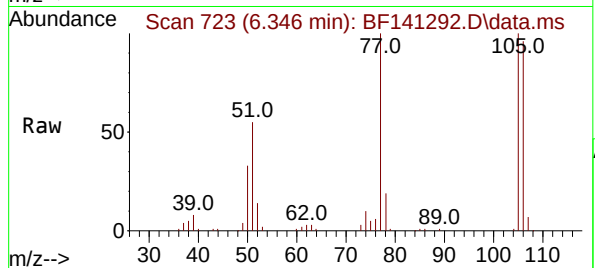
#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 74679
Ion Ratio Lower Upper
77 100
105 99.6 79.4 119.4
106 96.1 74.6 114.6

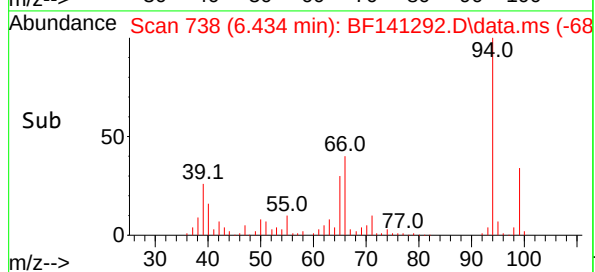
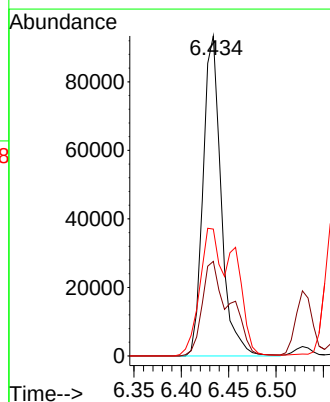
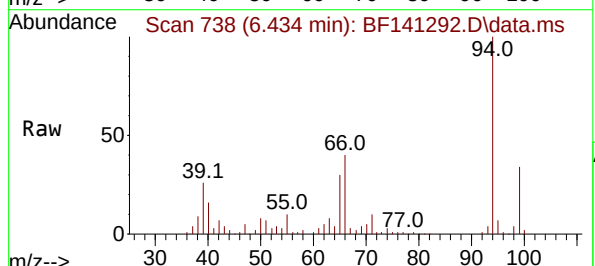
Manual Integrations
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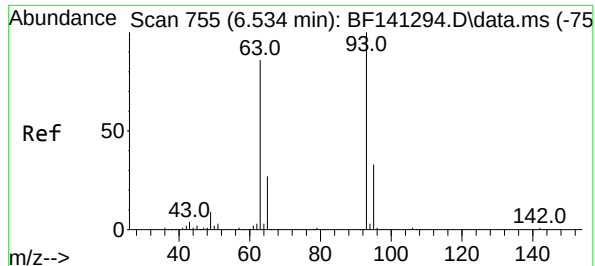
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 94 Resp: 124196
Ion Ratio Lower Upper
94 100
65 29.5 10.8 50.8
66 39.7 23.3 63.3





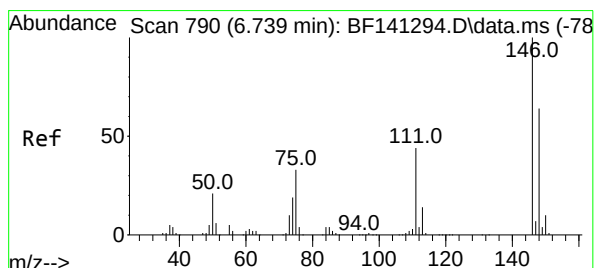
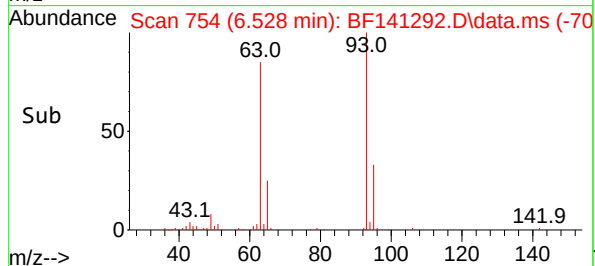
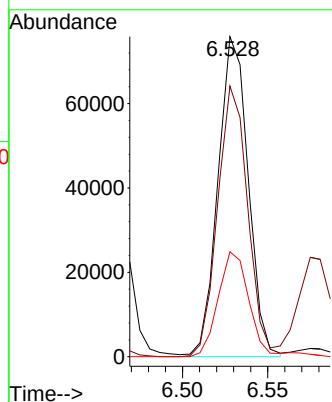
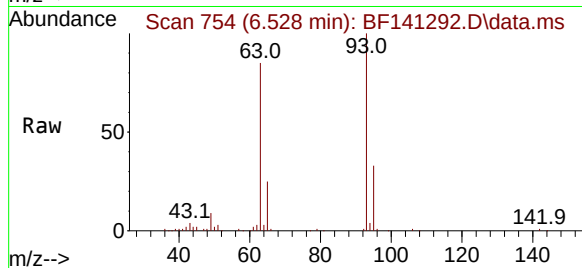
#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

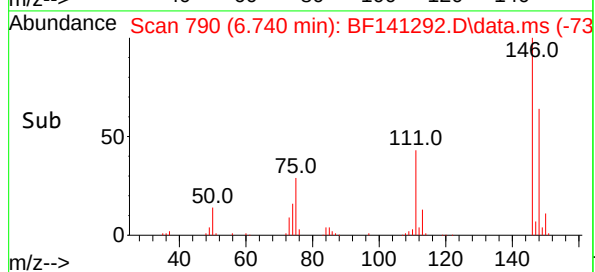
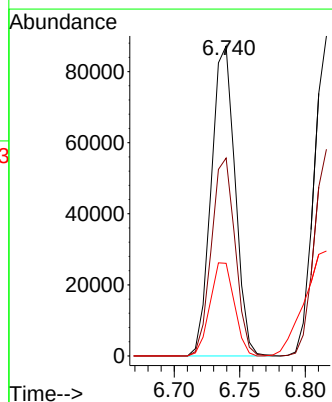
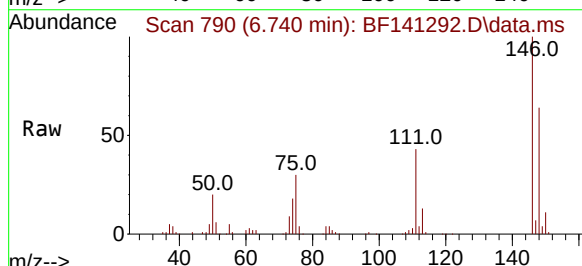
Manual Integrations
APPROVED

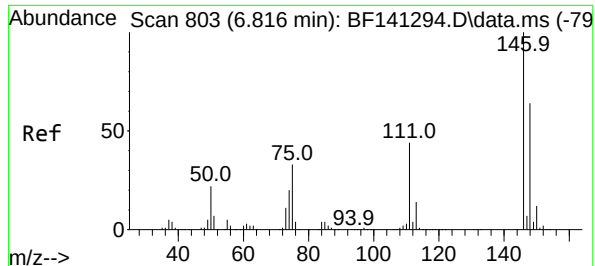
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#13

1,4-Dichlorobenzene

Concen: 10.784 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 109950

Ion Ratio Lower Upper

146 100

148 64.6 51.2 76.8

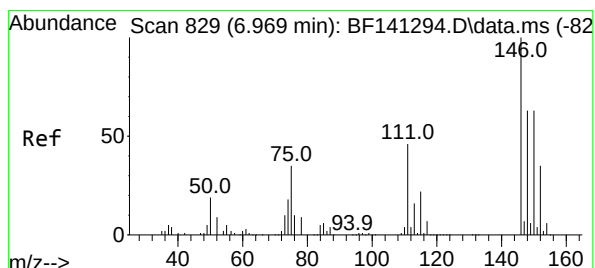
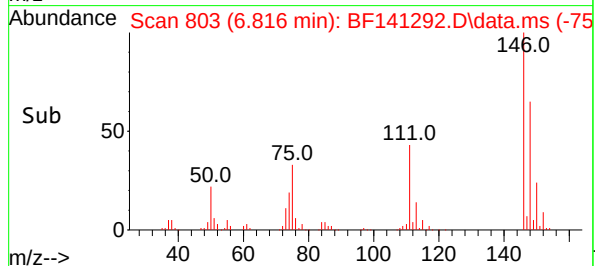
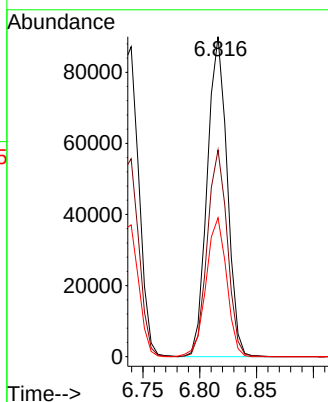
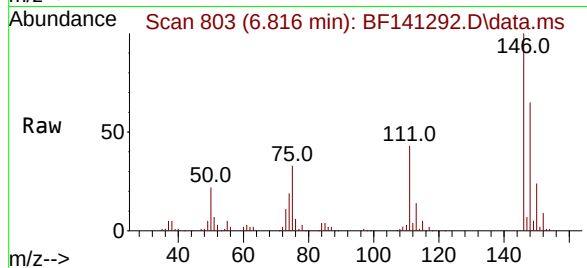
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 11.160 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

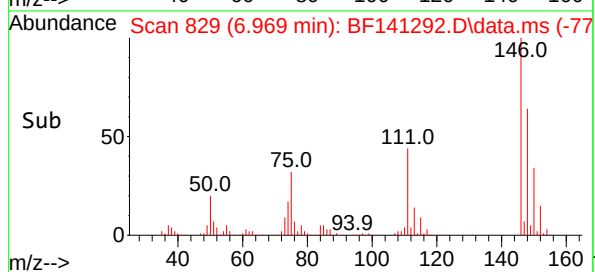
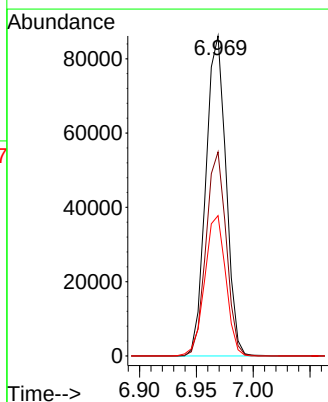
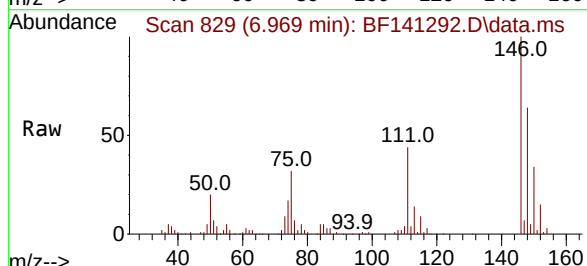
Tgt Ion:146 Resp: 106335

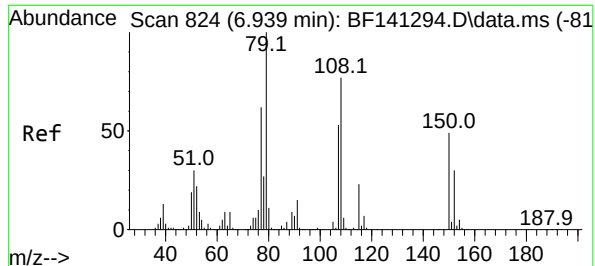
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

111 43.8 36.6 55.0





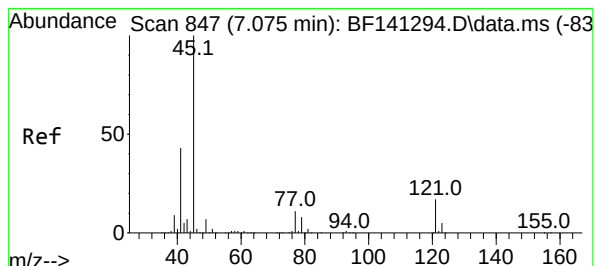
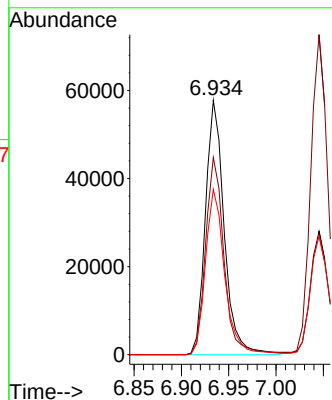
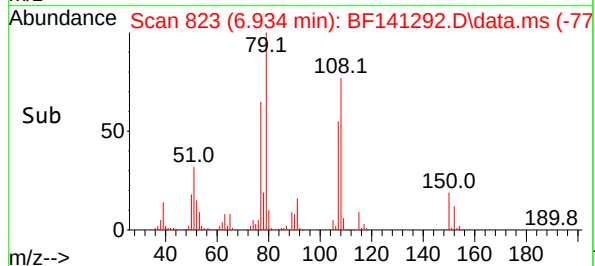
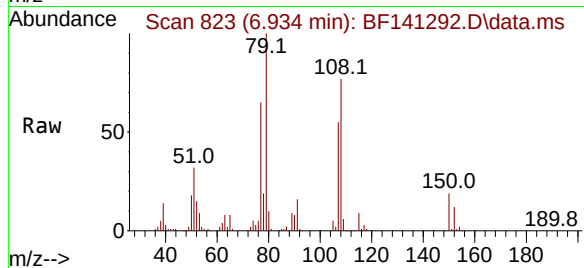
#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

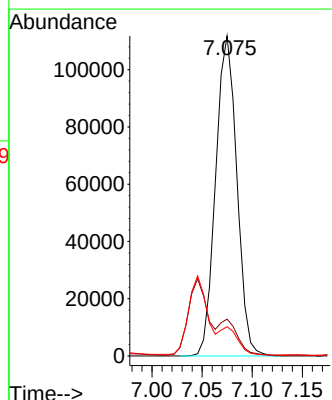
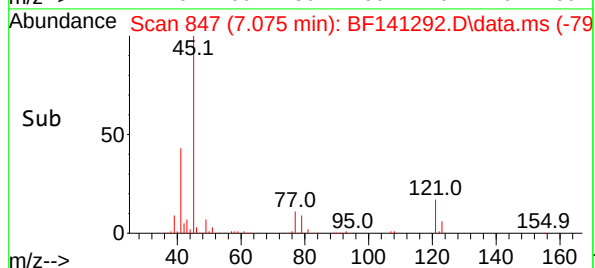
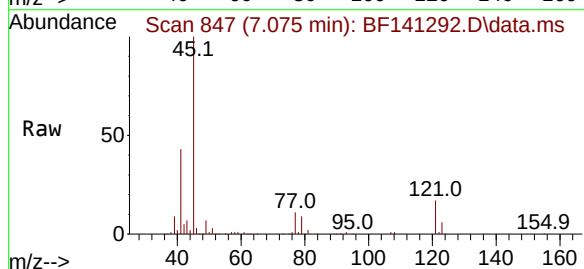
Manual Integrations
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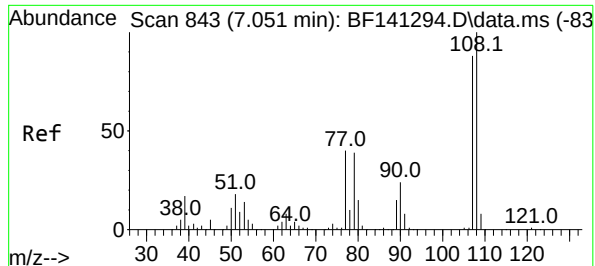
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





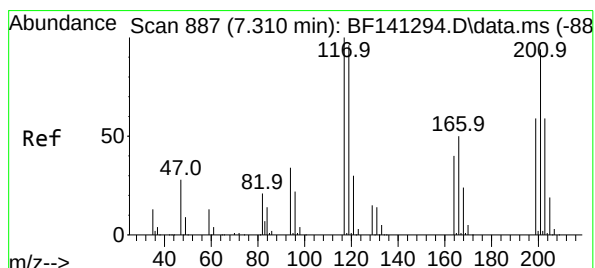
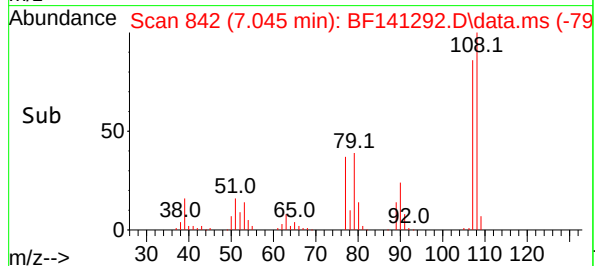
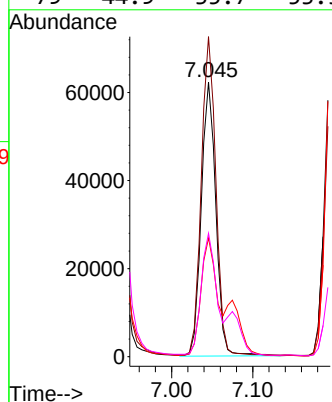
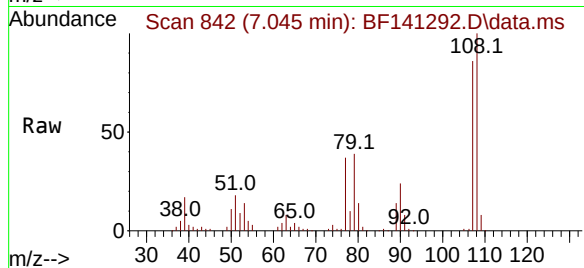
#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

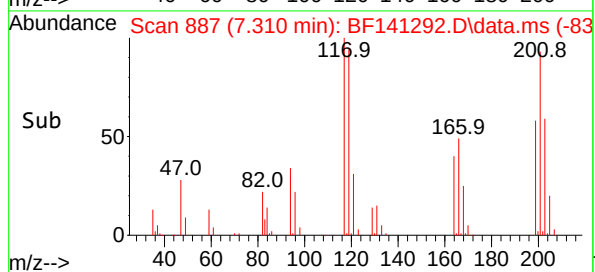
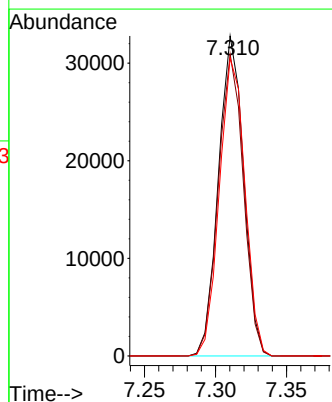
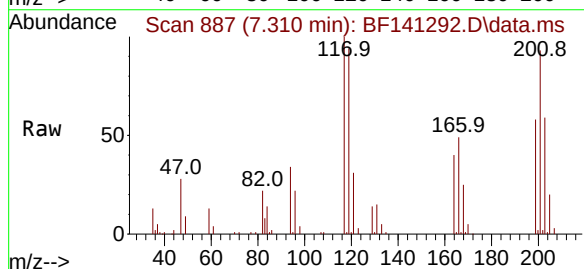
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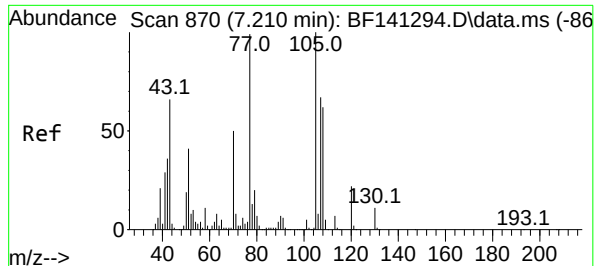
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#19

n-Nitroso-di-n-propylamine

Concen: 10.815 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 70075

Ion Ratio Lower Upper

70 100

42 69.8 56.8 85.2

101 10.0 7.7 11.5

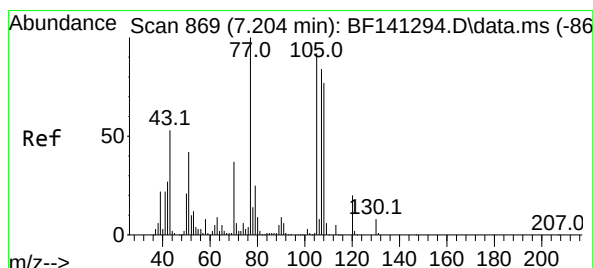
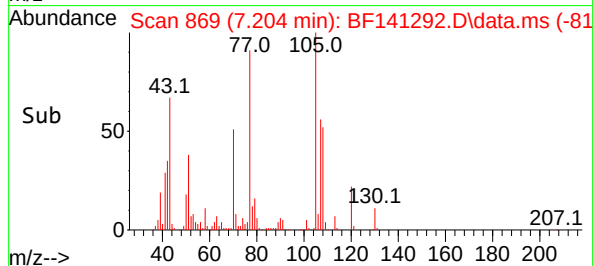
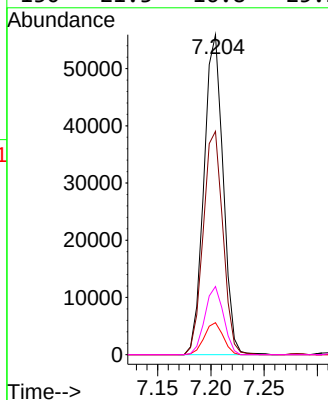
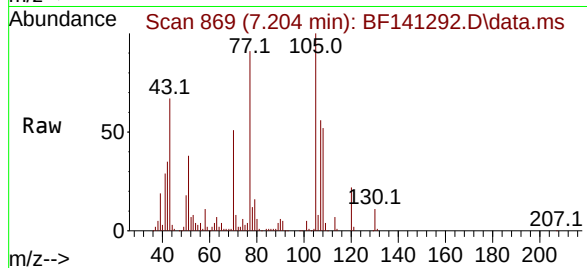
130 21.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 11.310 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

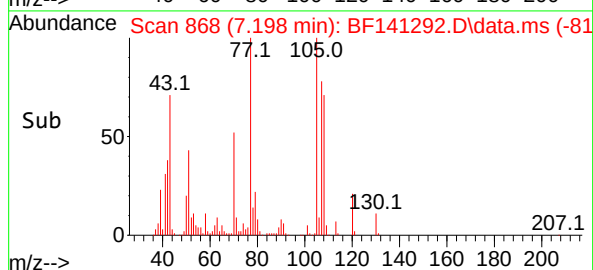
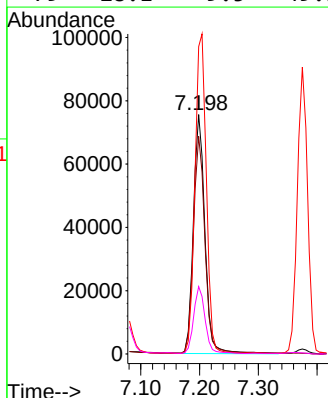
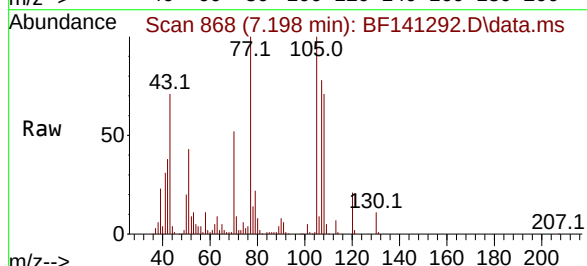
Ion Ratio Lower Upper

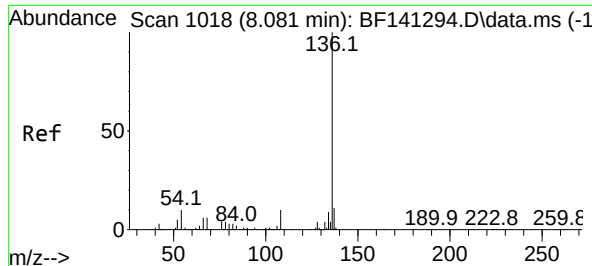
107 100

108 91.0 70.9 110.9

77 128.4 98.5 138.5

79 28.1 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141292.D

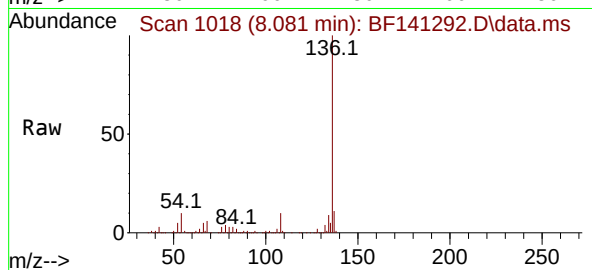
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:136 Resp: 533320

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.5 7.8 11.8

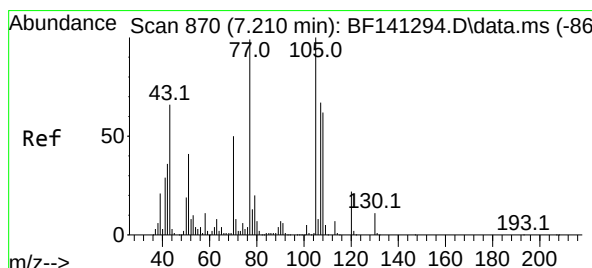
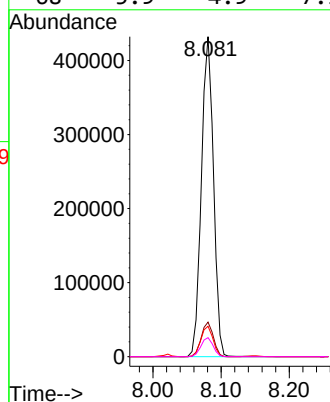
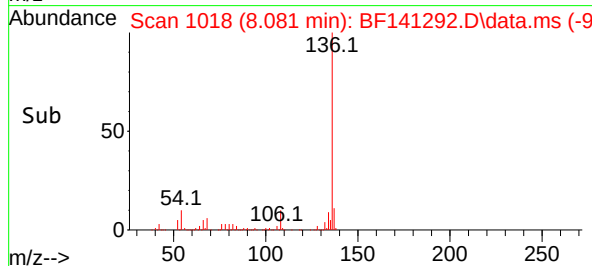
68 5.9 4.9 7.3

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#22

Acetophenone

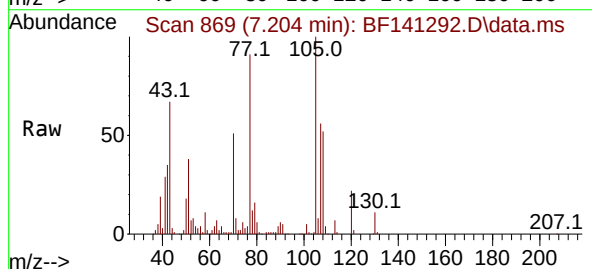
Concen: 11.036 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



Tgt Ion:105 Resp: 139527

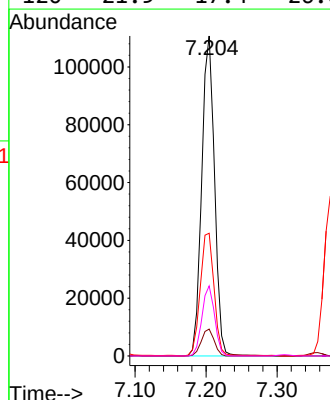
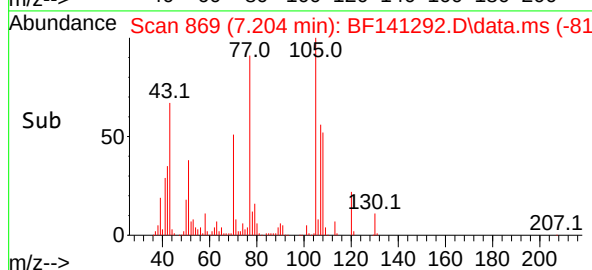
Ion Ratio Lower Upper

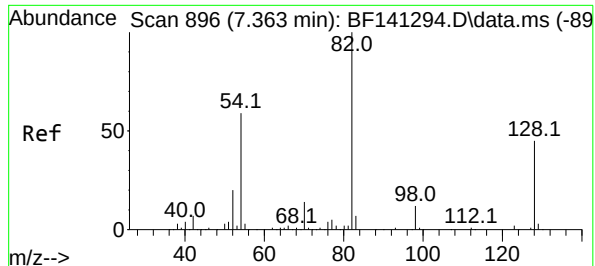
105 100

71 8.4 6.8 10.2

51 38.3 32.6 49.0

120 21.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 20.937 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 211040

Ion Ratio Lower Upper

82 100

128 44.0 35.7 53.5

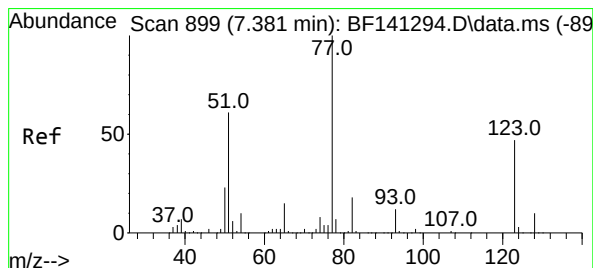
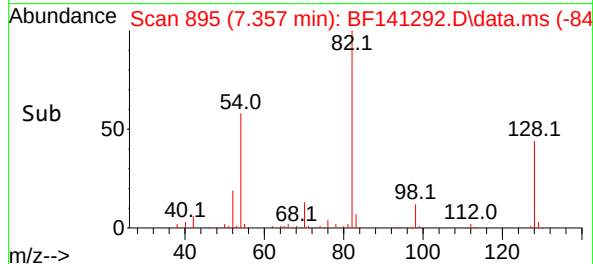
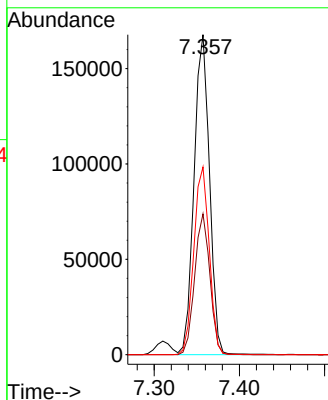
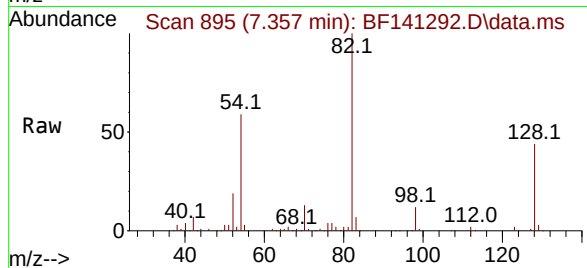
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 10.474 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

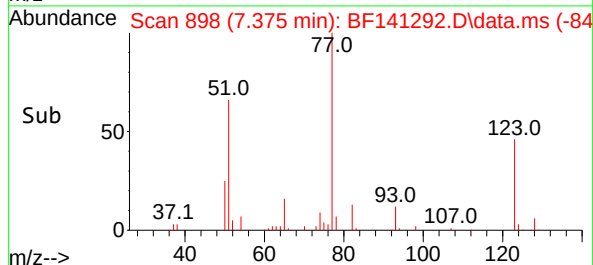
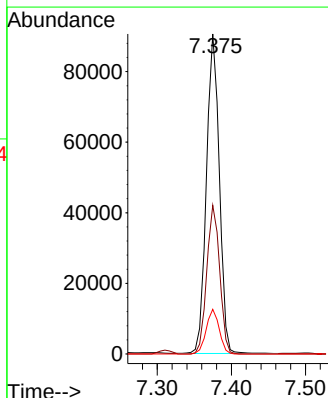
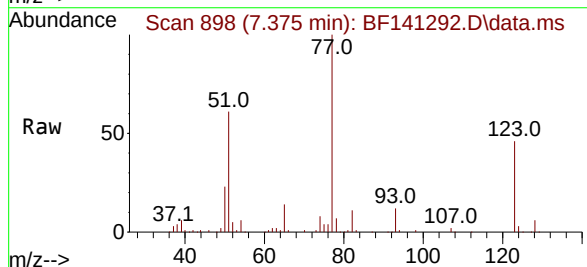
Tgt Ion: 77 Resp: 109497

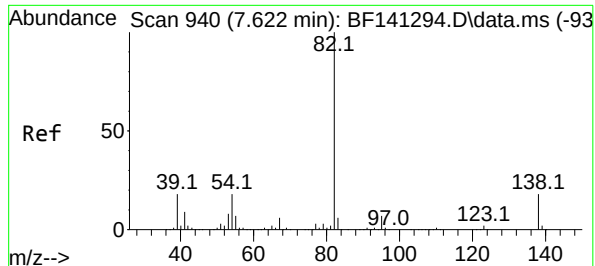
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

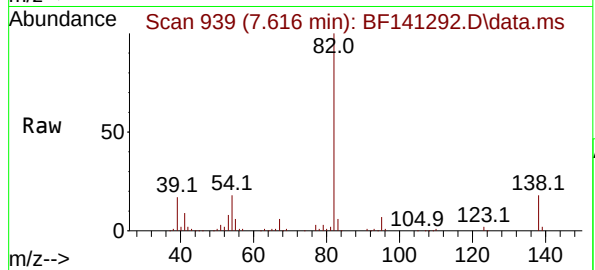
65 14.0 11.8 17.6





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

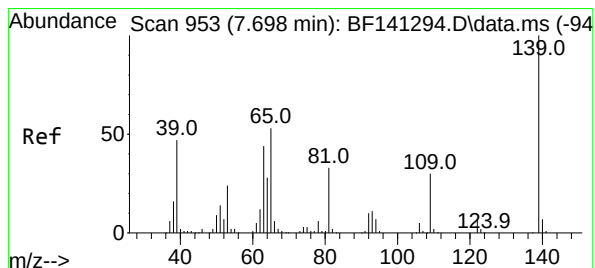
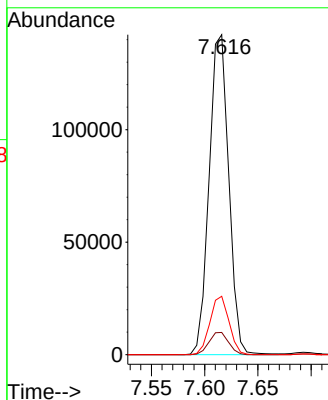
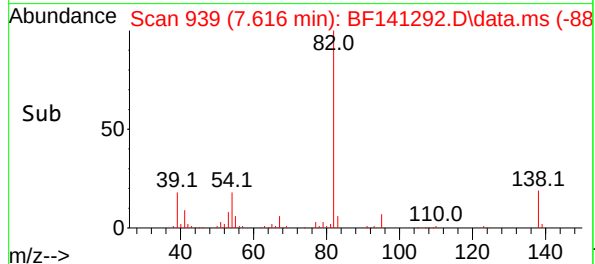
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

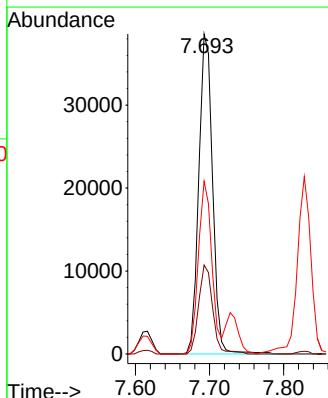
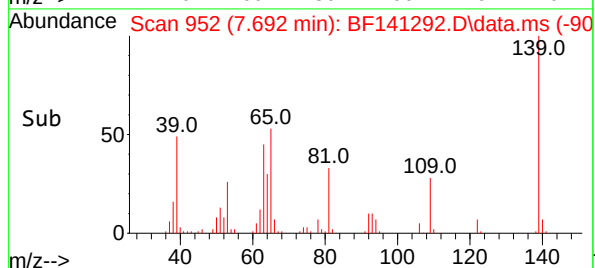
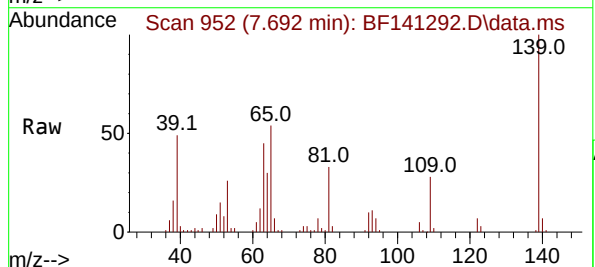
Manual Integrations
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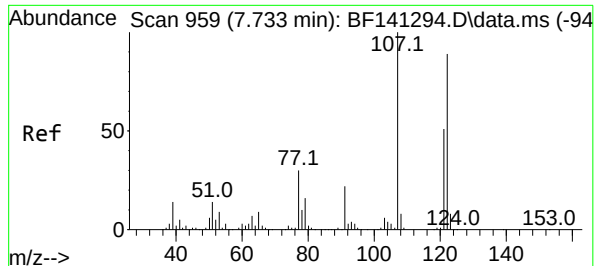
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#27

2,4-Dimethylphenol

Concen: 10.177 ng m

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

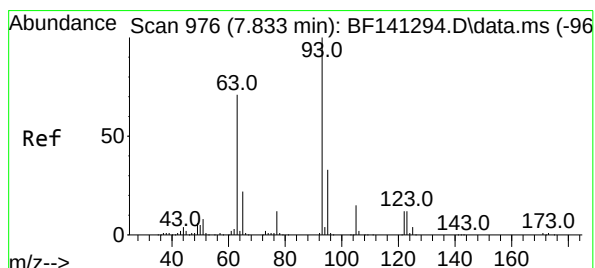
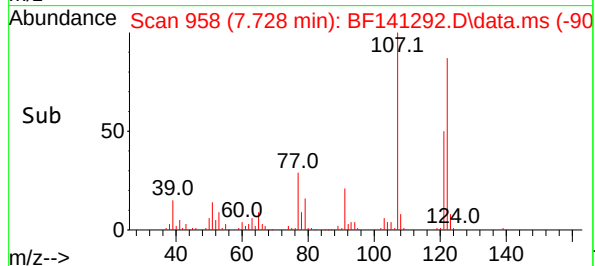
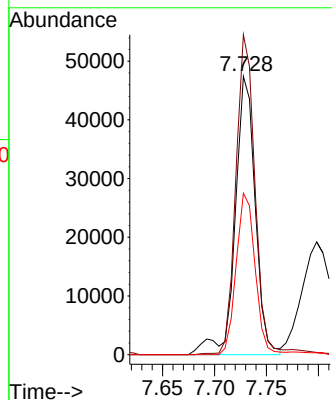
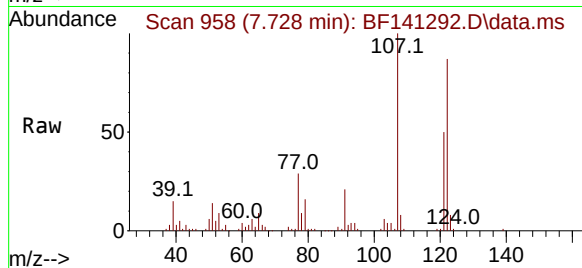
Tgt Ion:122 Resp: 6368

Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 10.561 ng

RT: 7.828 min Scan# 975

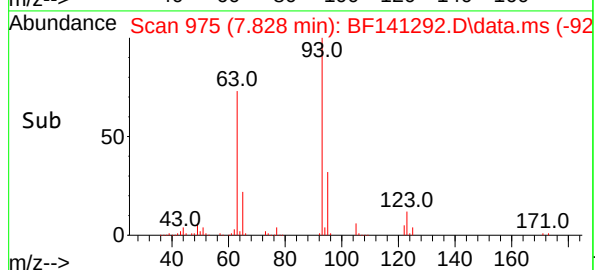
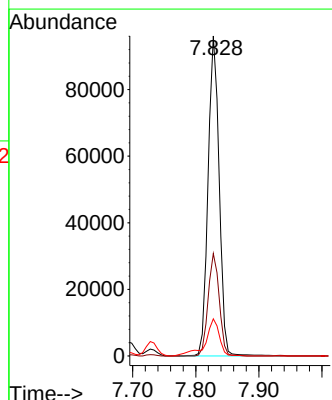
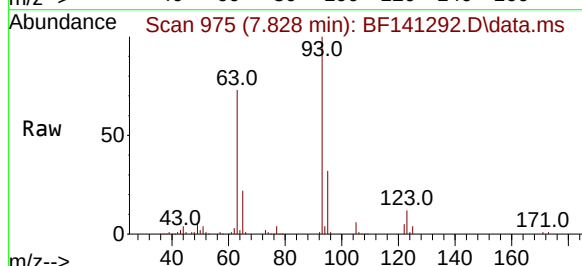
Delta R.T. -0.006 min

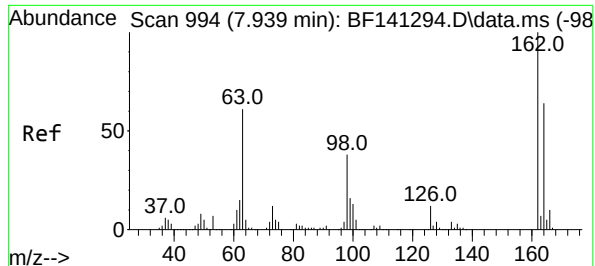
Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 117232

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.6	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 10.457 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 79949

Ion Ratio Lower Upper

162 100

164 63.4 44.2 84.2

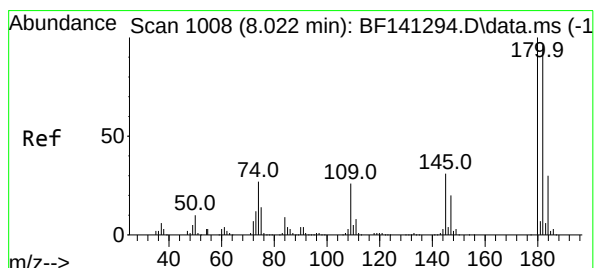
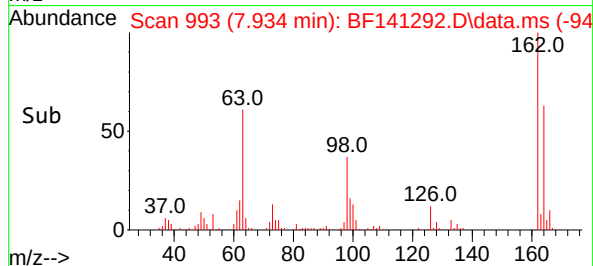
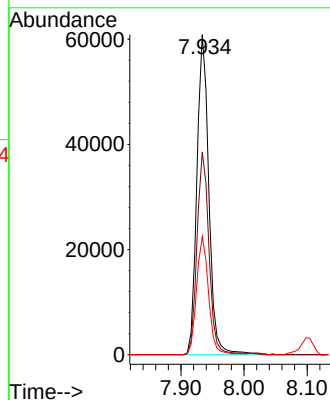
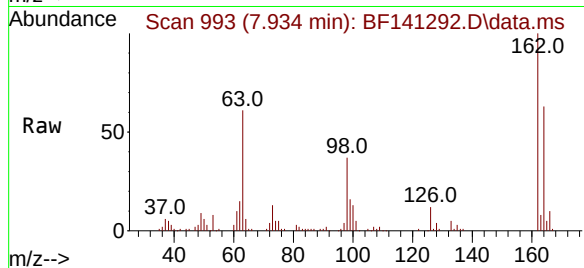
98 36.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.767 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

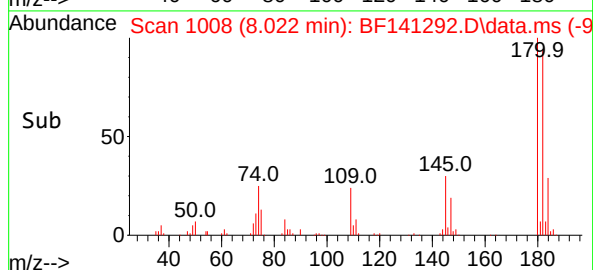
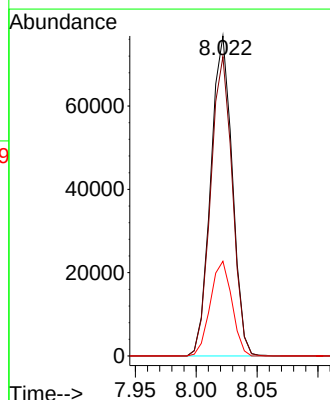
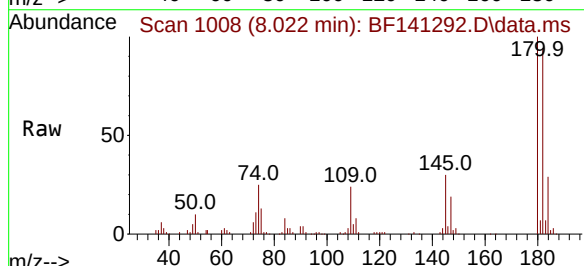
Tgt Ion:180 Resp: 94419

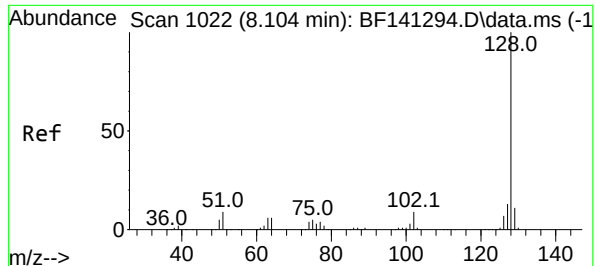
Ion Ratio Lower Upper

180 100

182 93.6 76.4 114.6

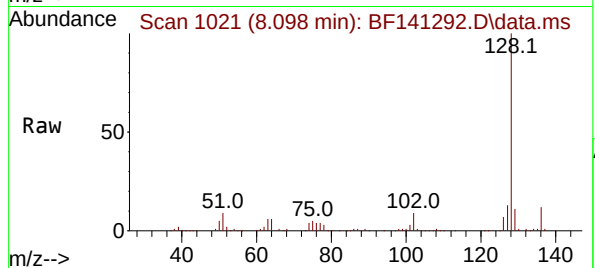
145 29.6 24.9 37.3





#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

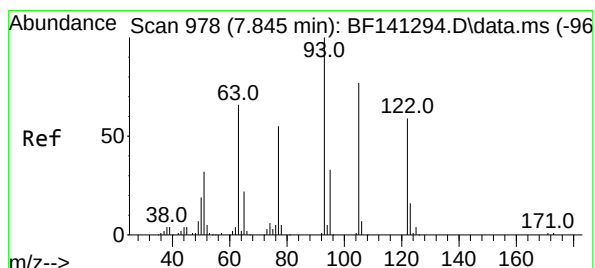
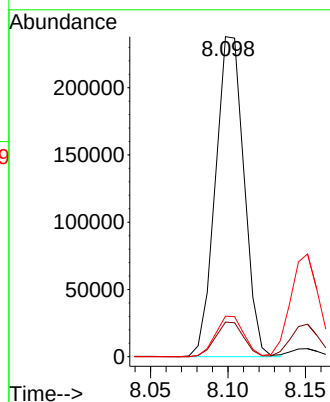
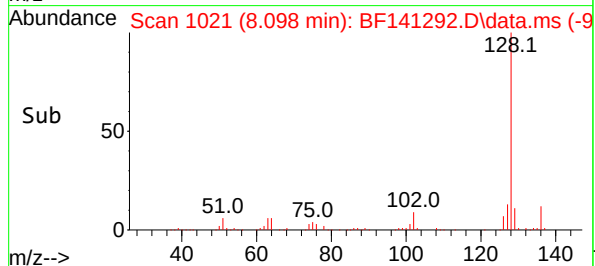
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

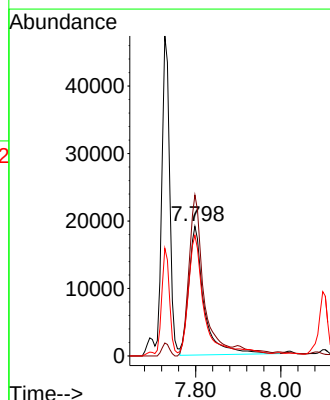
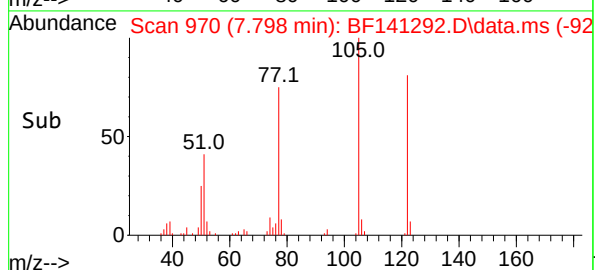
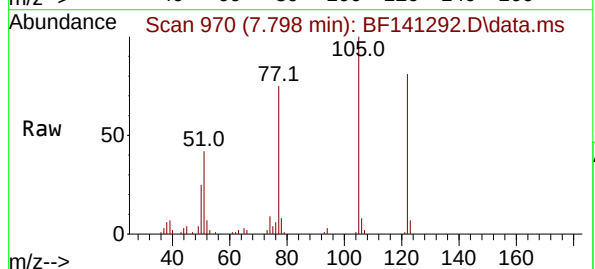
Manual Integrations
APPROVED

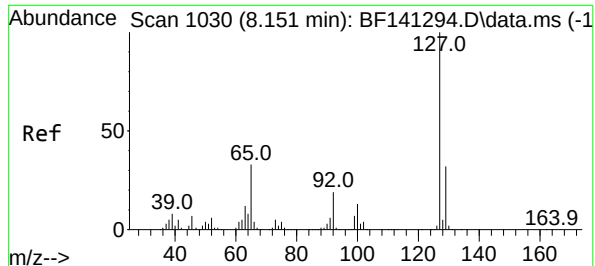
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

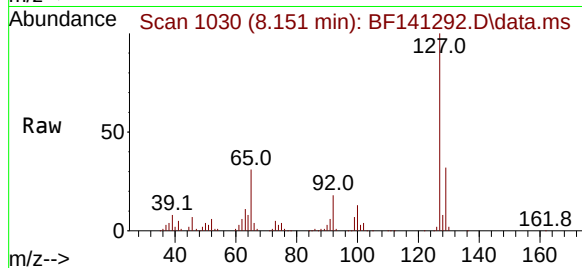
Tgt Ion:122 Resp: 47549
Ion Ratio Lower Upper
122 100
105 124.1 103.4 143.4
77 93.0 70.9 110.9





#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

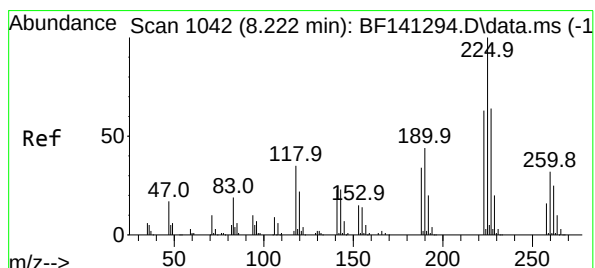
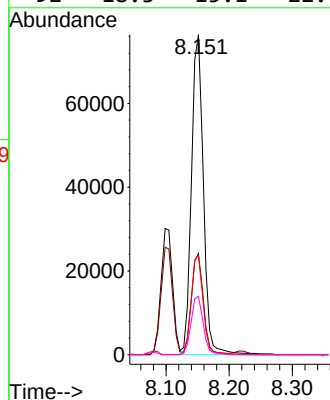
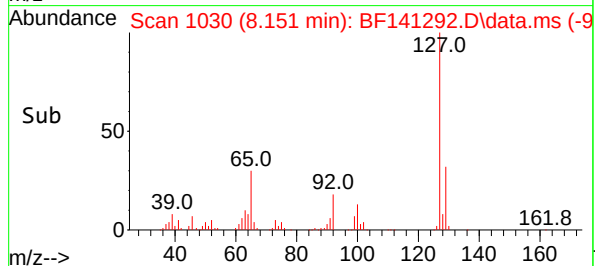
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 100852
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 30.9 26.4 39.6
92 18.3 15.1 22.7

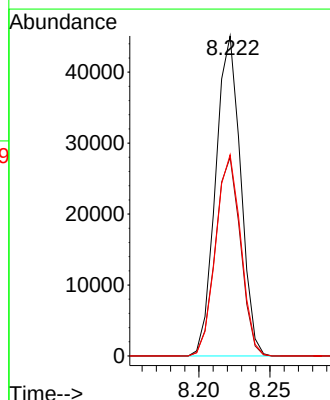
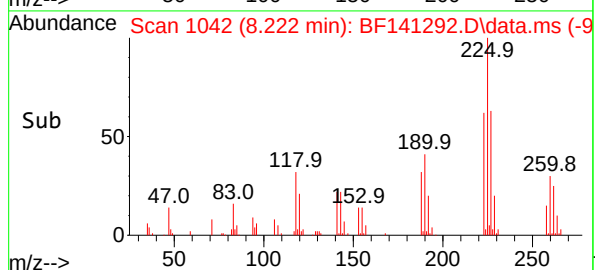
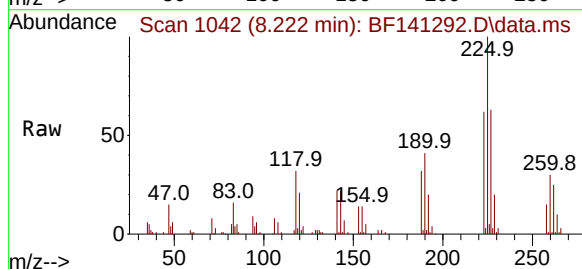
Manual Integrations
APPROVED

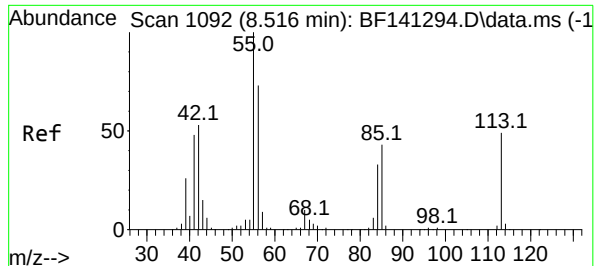
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

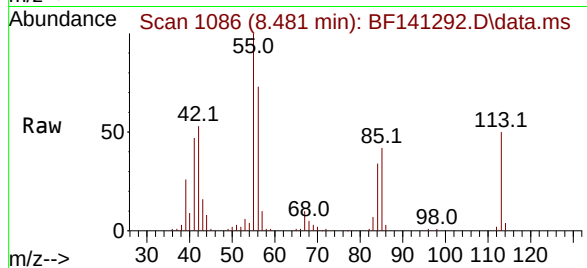
Tgt Ion:225 Resp: 55103
Ion Ratio Lower Upper
225 100
223 62.0 50.4 75.6
227 62.9 51.3 76.9





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

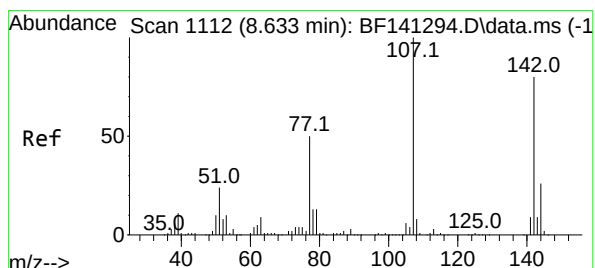
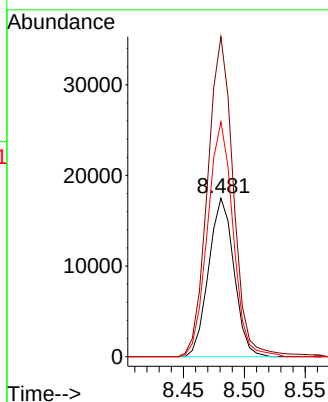
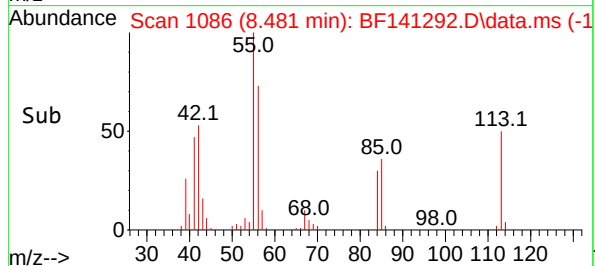
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

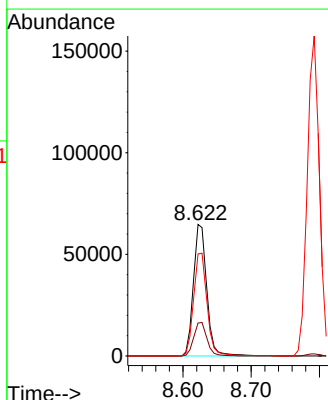
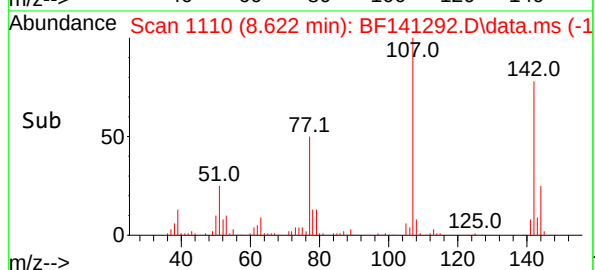
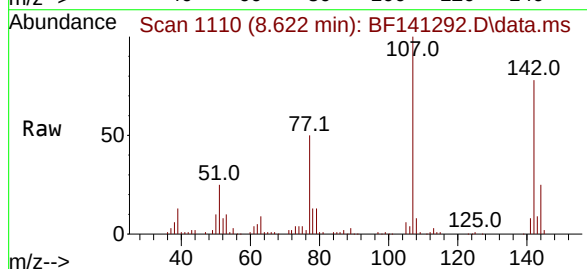
Manual Integrations
APPROVED

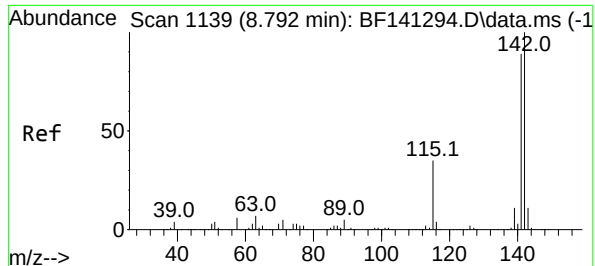
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#37

2-Methylnaphthalene

Concen: 10.925 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:142 Resp: 195160

Ion Ratio Lower Upper

142 100

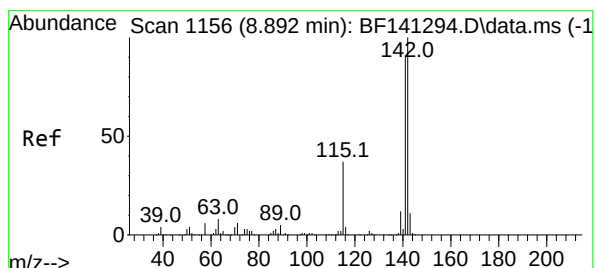
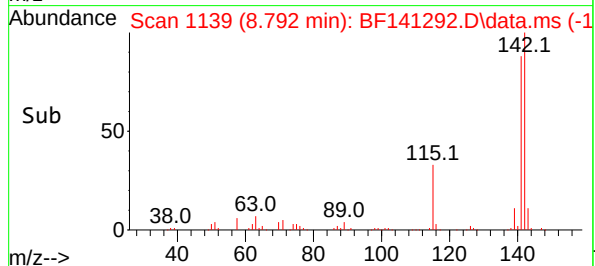
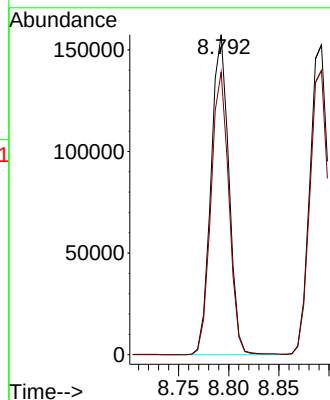
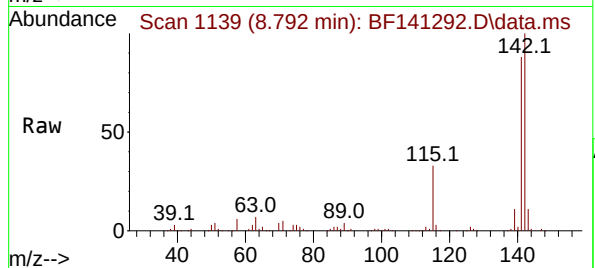
141 88.3 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 11.022 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141292.D

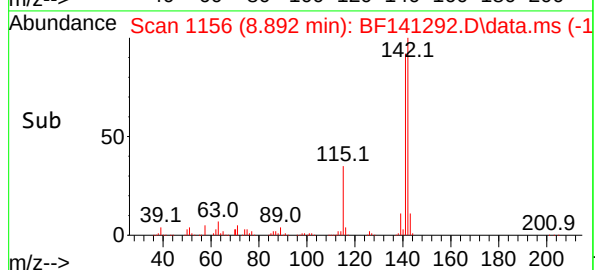
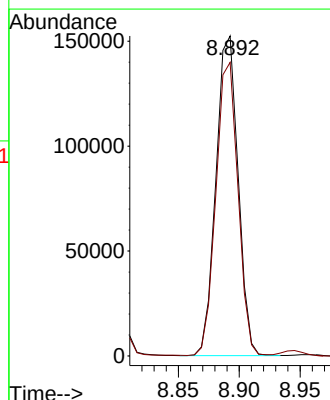
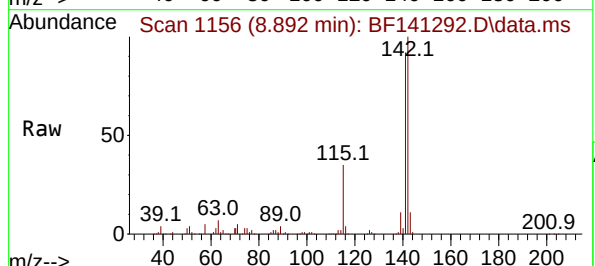
Acq: 29 Jan 2025 11:49

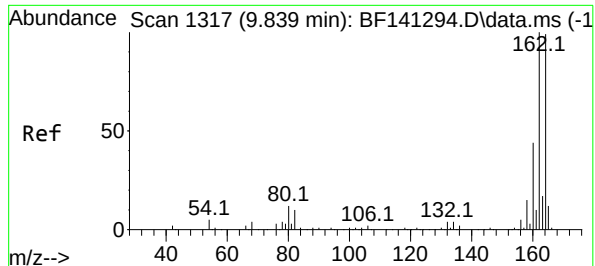
Tgt Ion:142 Resp: 192861

Ion Ratio Lower Upper

142 100

141 91.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141292.D

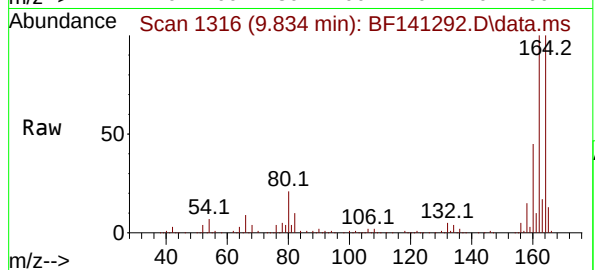
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 28955

Ion Ratio Lower Upper

164 100

162 100.0 80.6 121.0

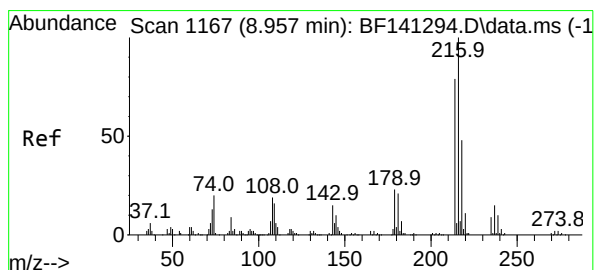
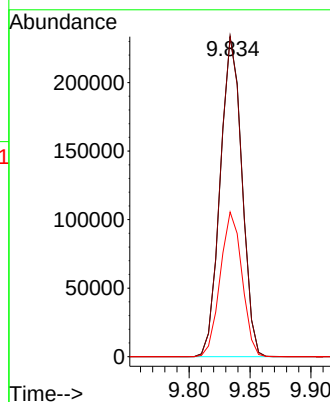
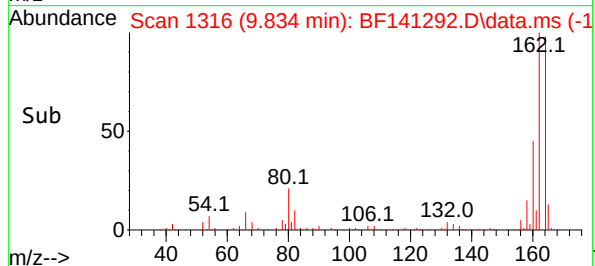
160 45.2 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.775 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

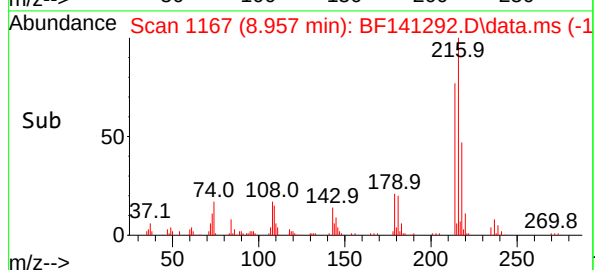
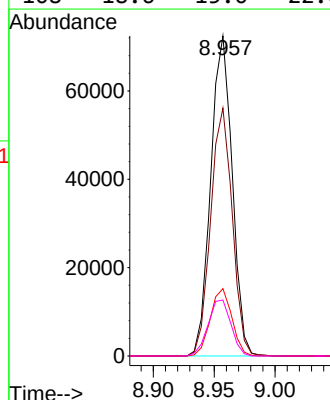
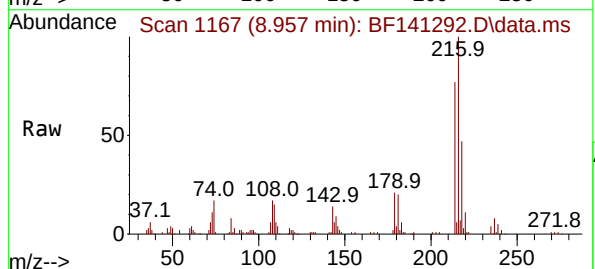
Ion Ratio Lower Upper

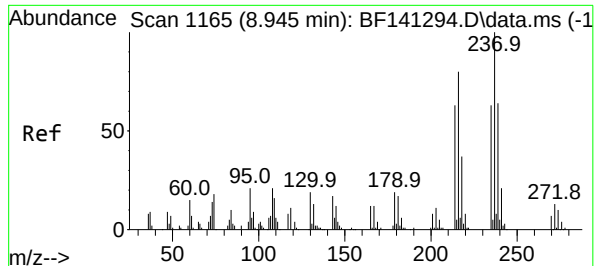
216 100

214 77.8 63.2 94.8

179 21.1 17.8 26.8

108 18.6 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 9.212 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

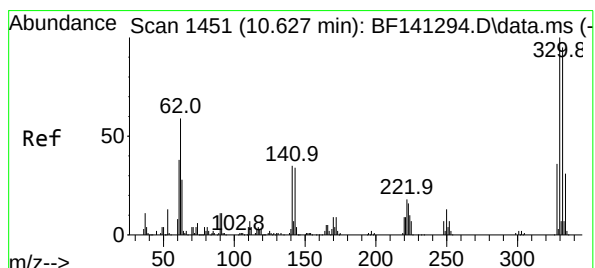
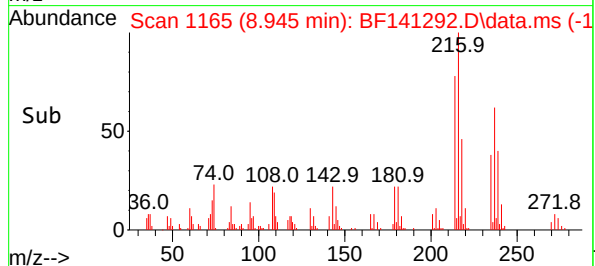
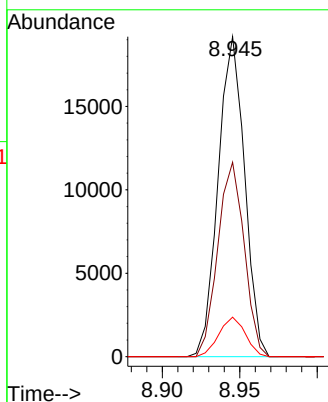
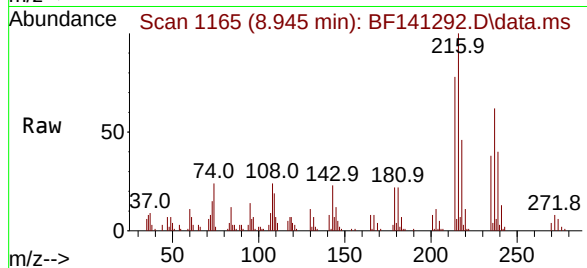
SSTDICC010

Tgt Ion:	237	Resp:	2275
Ion Ratio	Lower	Upper	
237	100		
235	60.8	42.9	82.9
272	12.3	0.0	32.8

Manual Integrations

APPROVED

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



#42

2,4,6-Tribromophenol

Concen: 21.761 ng

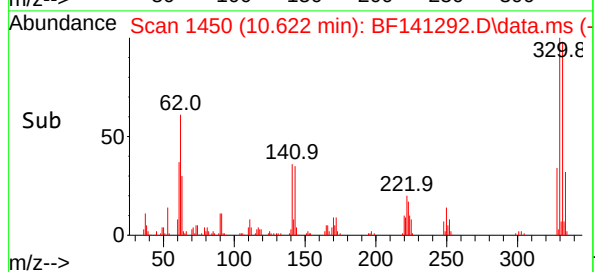
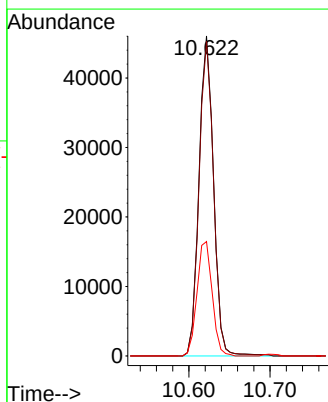
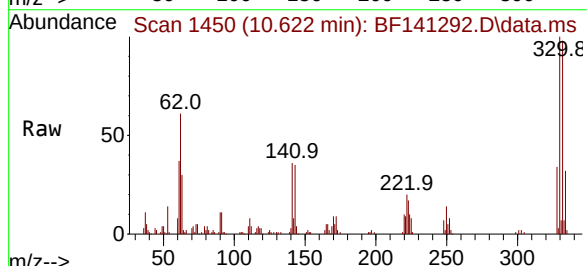
RT: 10.622 min Scan# 1450

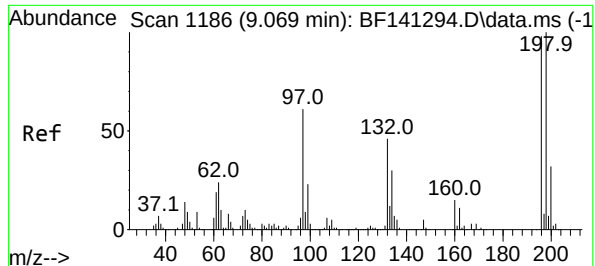
Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

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





#43

2,4,6-Trichlorophenol

Concen: 10.241 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141292.D

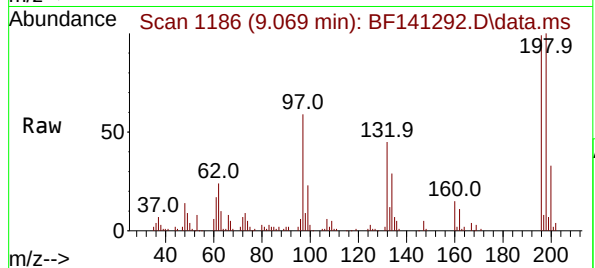
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 5503

Ion Ratio Lower Upper

196 100

198 101.0 81.8 122.6

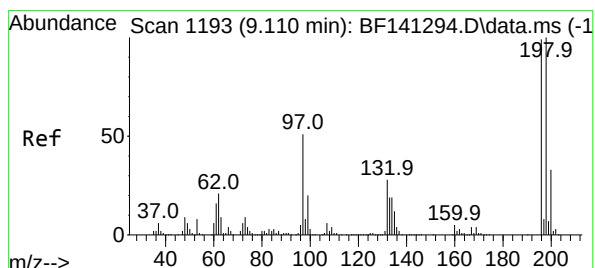
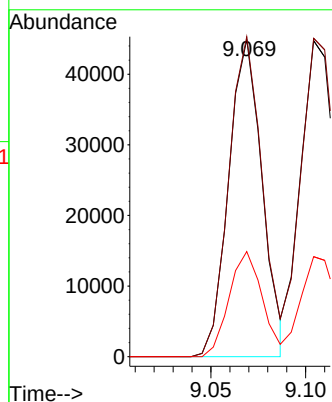
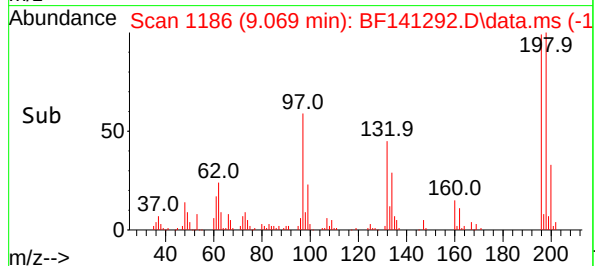
200 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

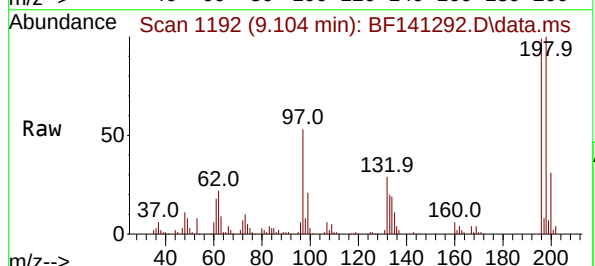
Concen: 10.518 ng

RT: 9.104 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49



Tgt Ion:196 Resp: 61493

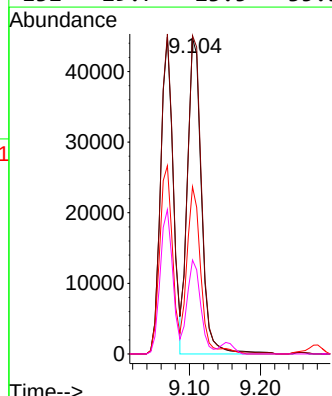
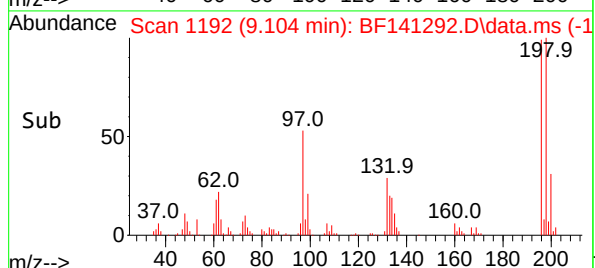
Ion Ratio Lower Upper

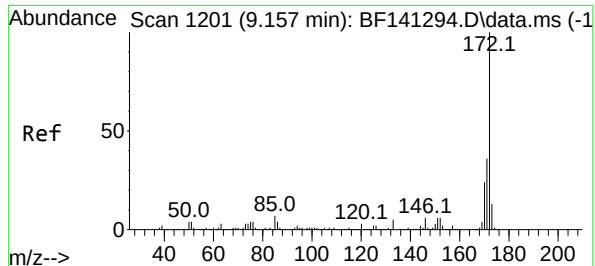
196 100

198 100.8 80.5 120.7

97 52.9 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 22.581 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:172 Resp: 42385

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

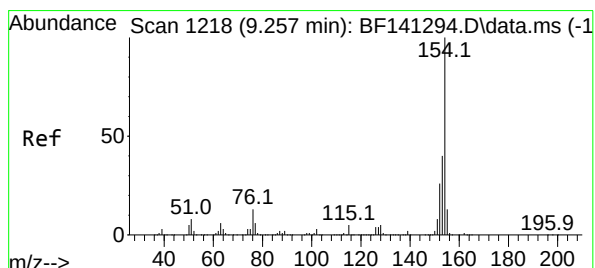
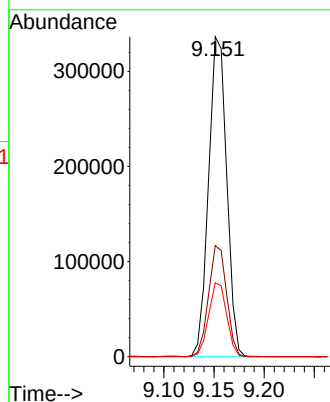
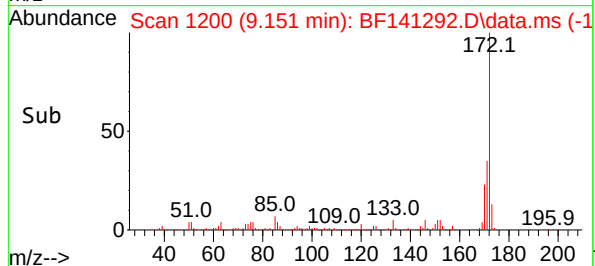
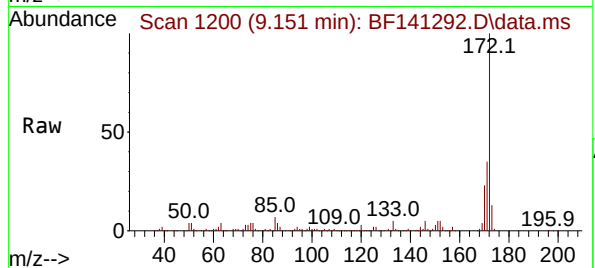
170 23.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

Concen: 10.847 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

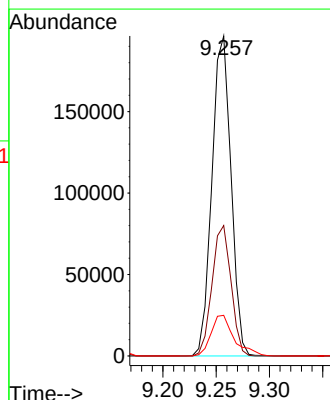
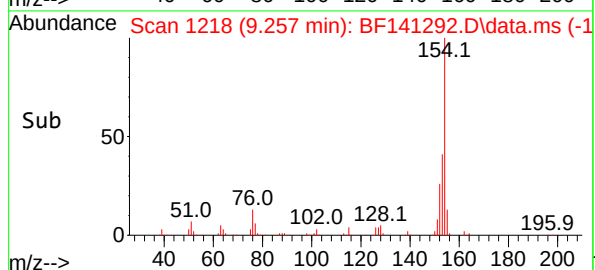
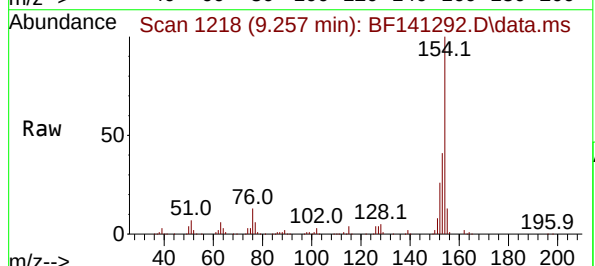
Tgt Ion:154 Resp: 245028

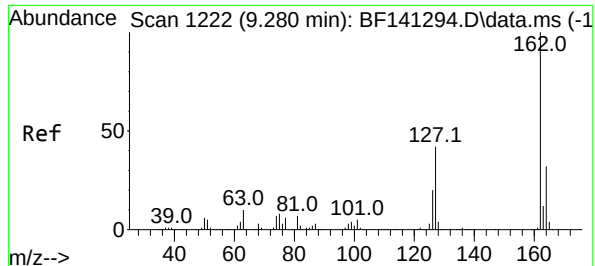
Ion Ratio Lower Upper

154 100

153 40.8 20.0 60.0

76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 10.812 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141292.D

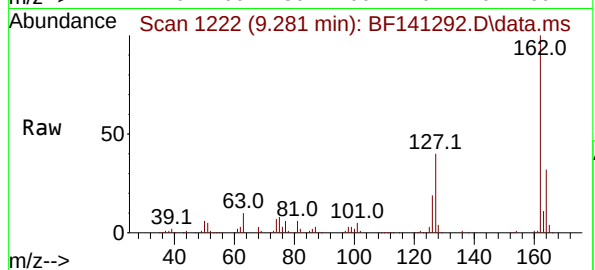
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 189709

Ion Ratio Lower Upper

162 100

127 40.2 33.7 50.5

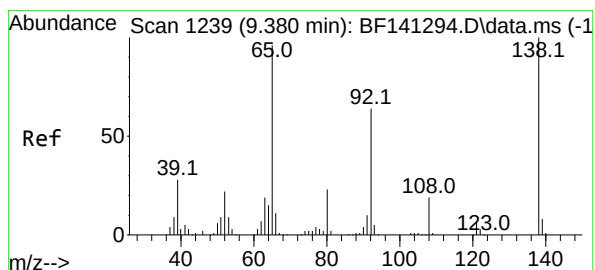
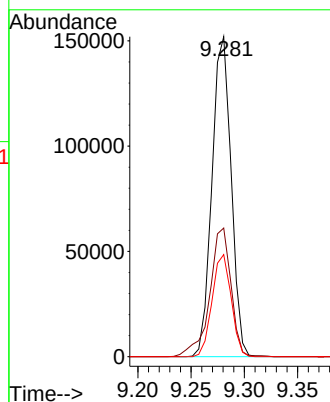
164 31.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 10.164 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

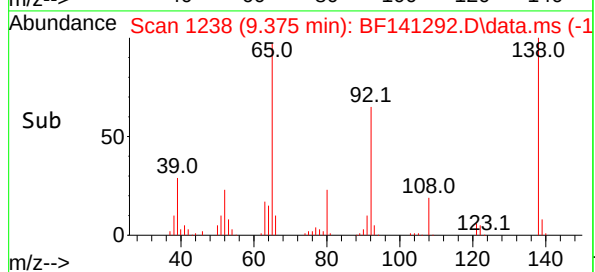
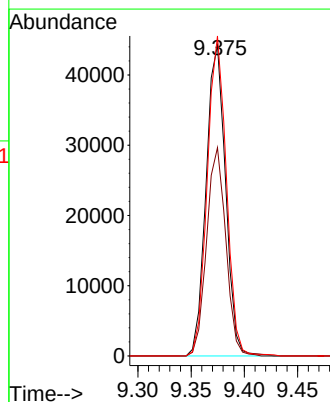
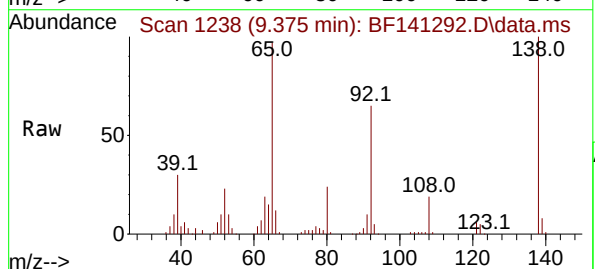
Tgt Ion: 65 Resp: 56247

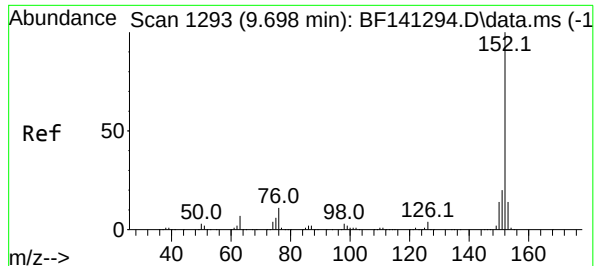
Ion Ratio Lower Upper

65 100

92 67.0 53.3 79.9

138 102.9 83.6 125.4





#49

Acenaphthylene

Concen: 10.895 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

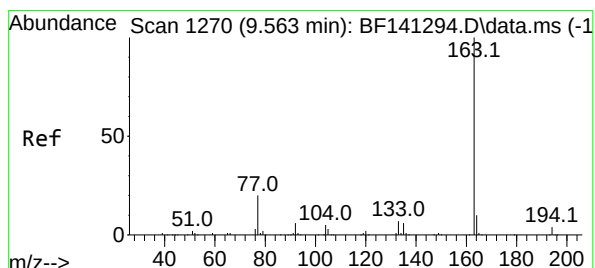
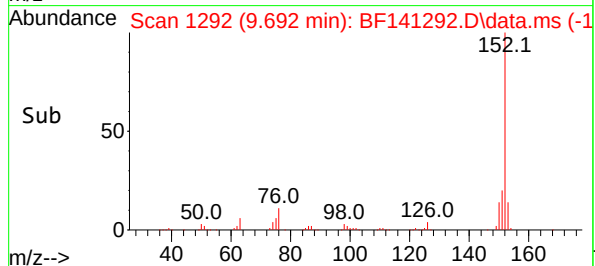
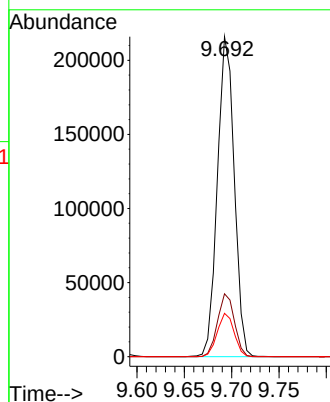
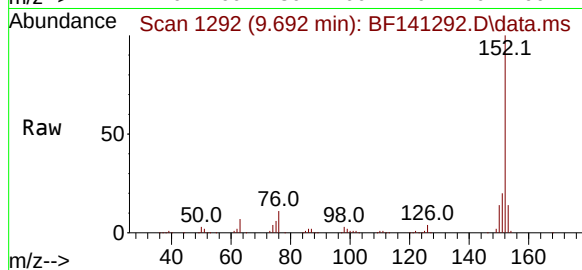
SSTDICC010

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

Manual Integrations

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



#50

Dimethylphthalate

Concen: 10.857 ng

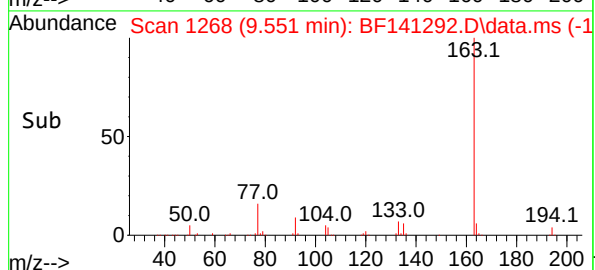
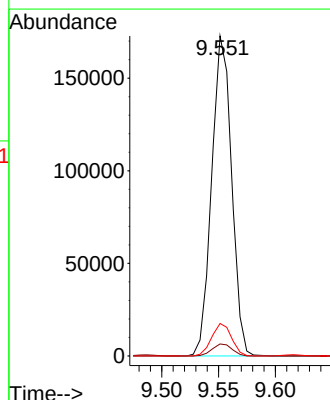
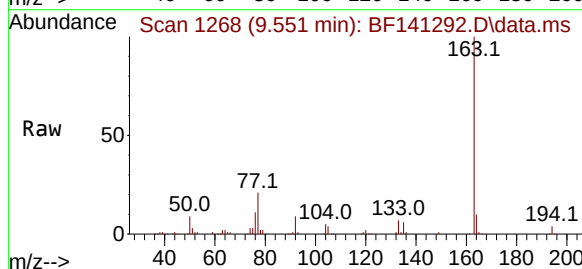
RT: 9.551 min Scan# 1268

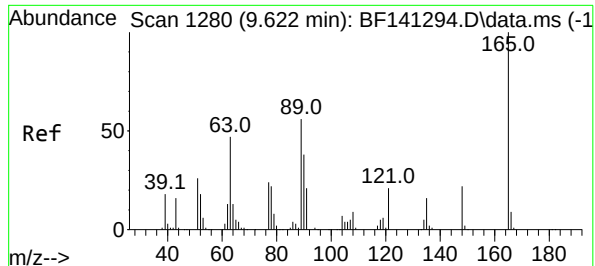
Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

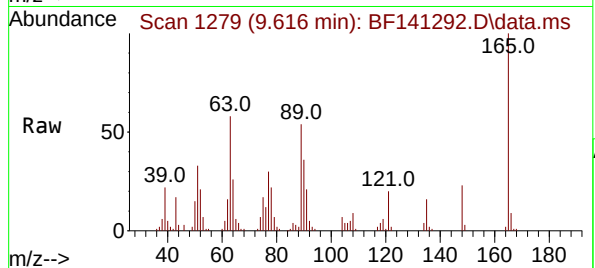
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





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

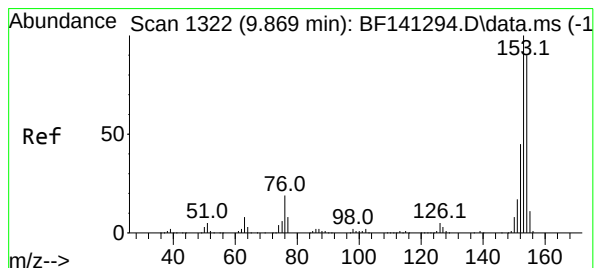
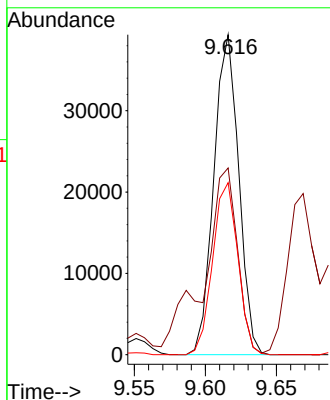
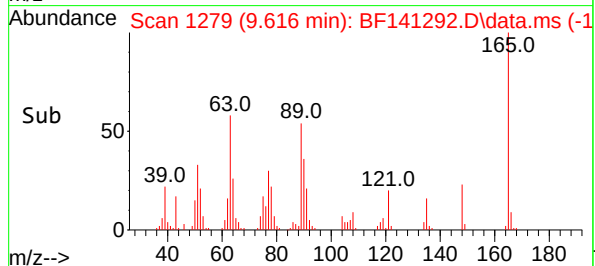
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 47958
Ion Ratio Lower Upper
165 100
63 58.3 48.1 72.1
89 53.7 44.9 67.3

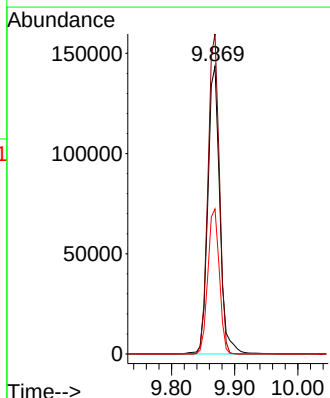
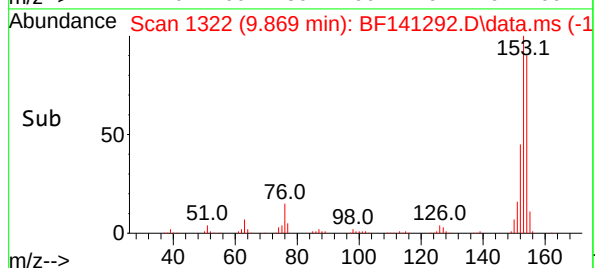
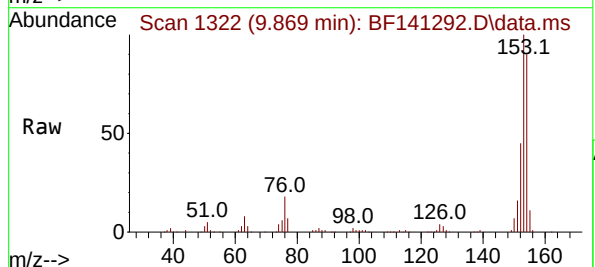
Manual Integrations
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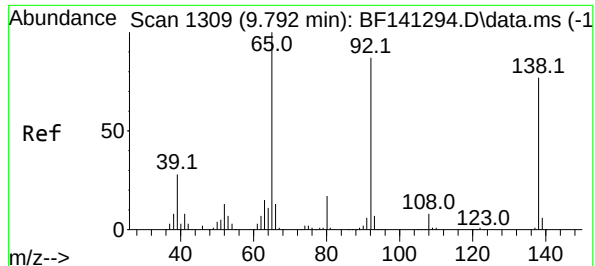
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

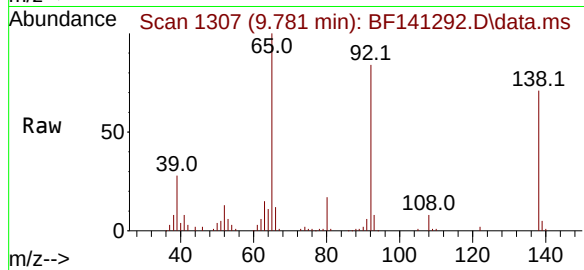
Tgt Ion:154 Resp: 188283
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 50.4 40.2 60.4





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

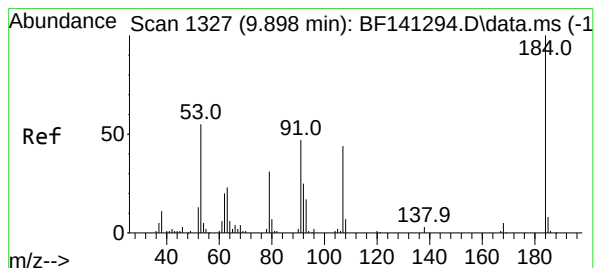
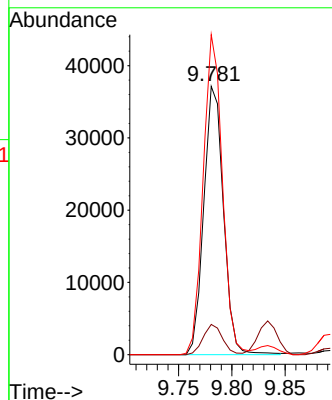
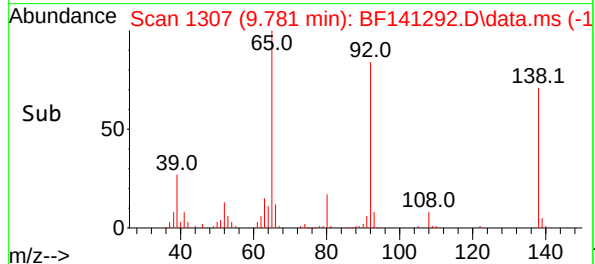
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

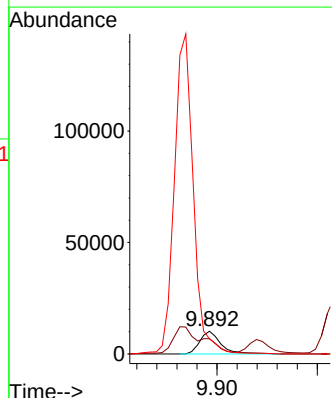
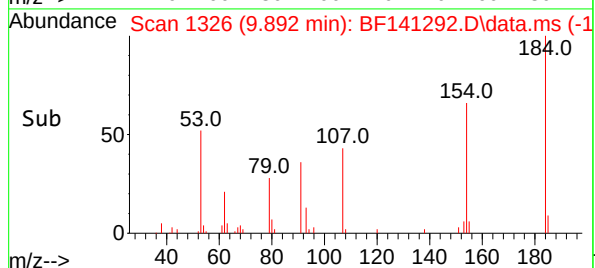
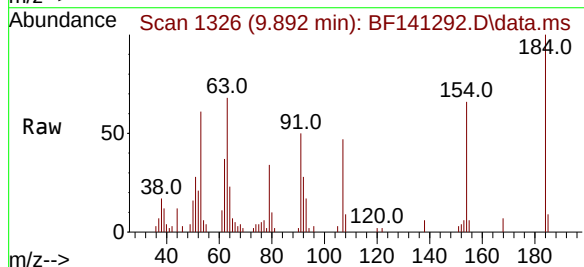
Manual Integrations
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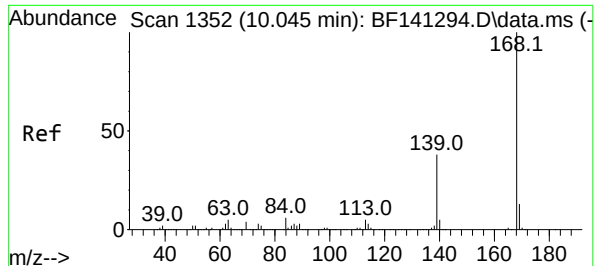
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#55

Dibenzenofuran

Concen: 11.038 ng

RT: 10.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 25883

Ion Ratio Lower Upper

168 100

139 37.7 30.6 46.0

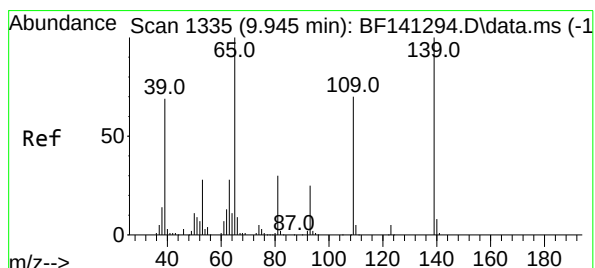
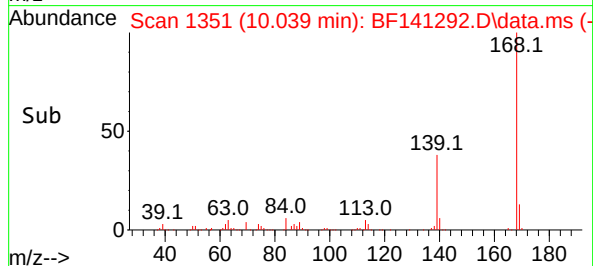
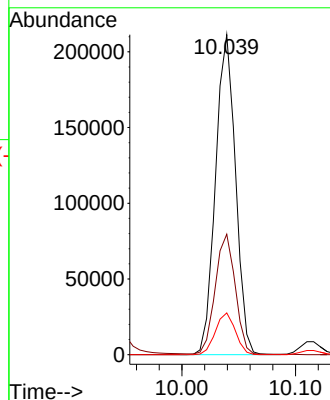
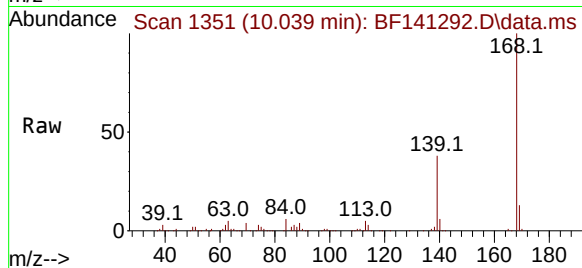
169 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 9.722 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

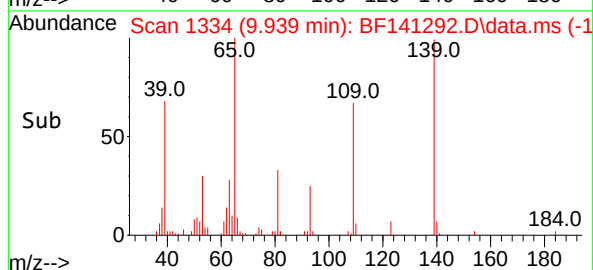
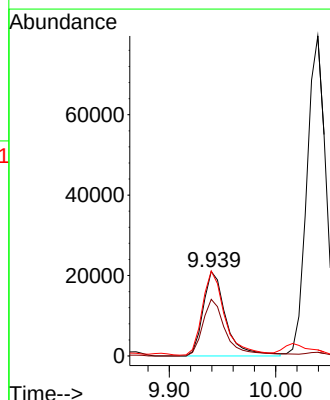
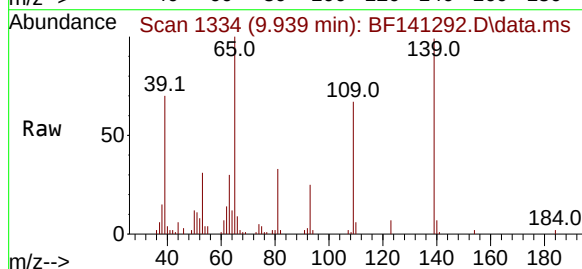
Tgt Ion:139 Resp: 31196

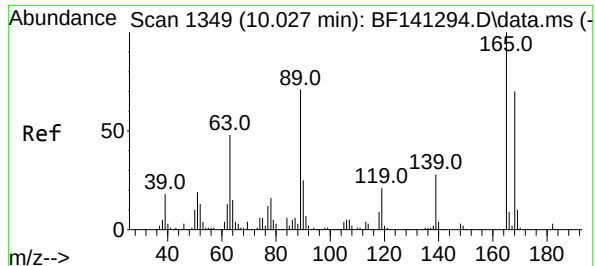
Ion Ratio Lower Upper

139 100

109 67.1 50.2 90.2

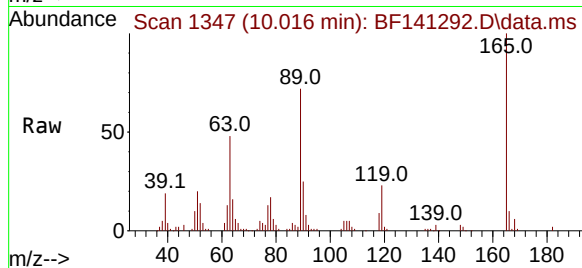
65 100.6 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

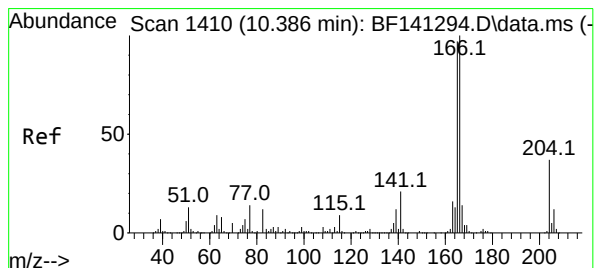
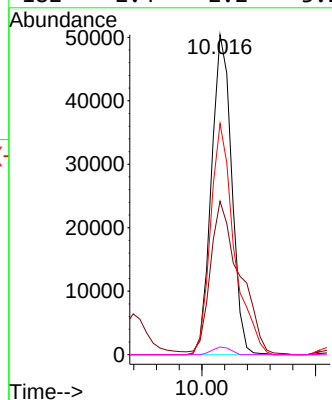
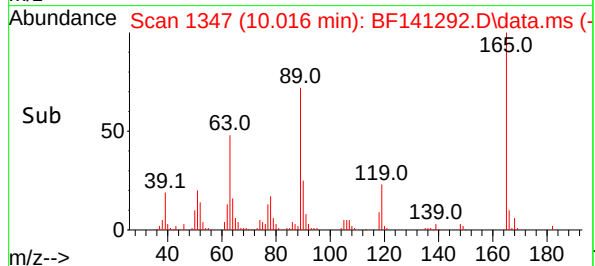
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

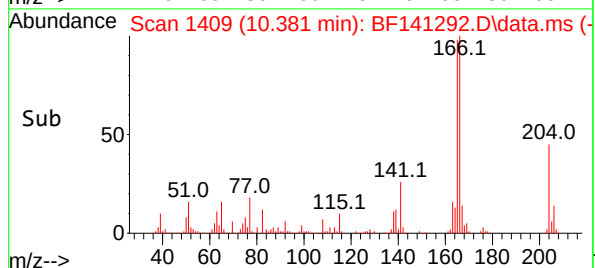
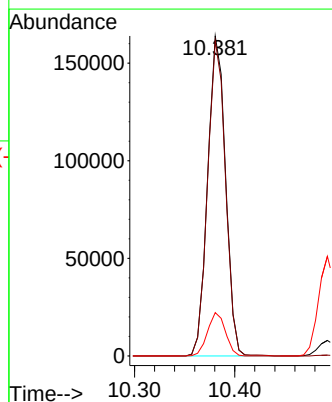
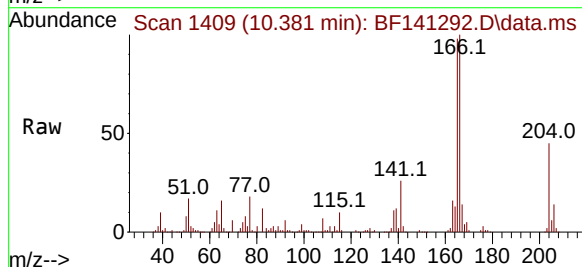
Manual Integrations
APPROVED

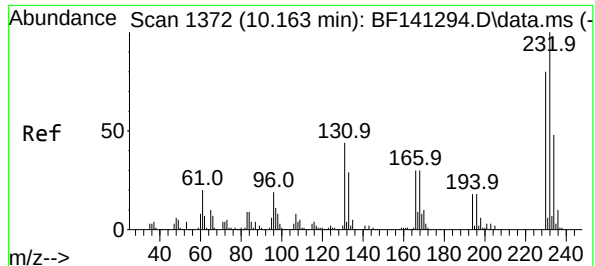
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

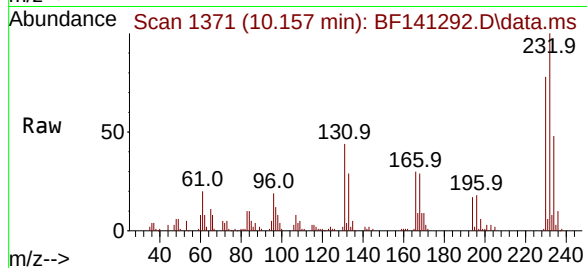
Tgt Ion:166 Resp: 204141
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.6 10.9 16.3





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

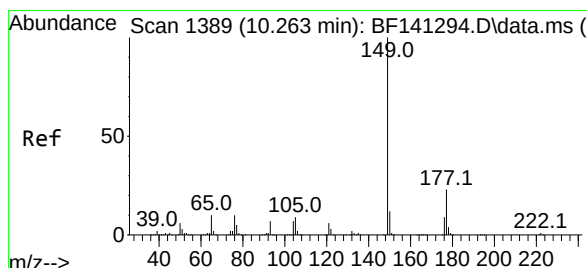
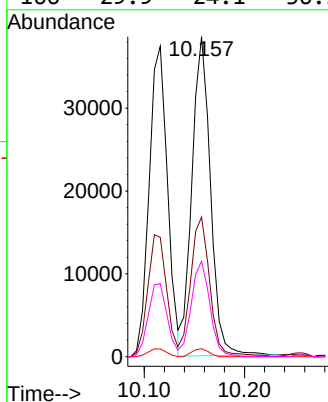
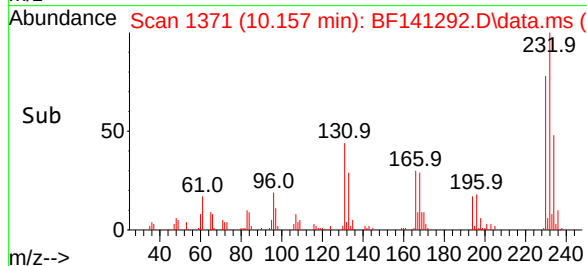
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

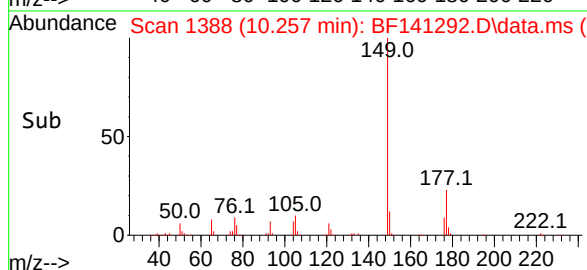
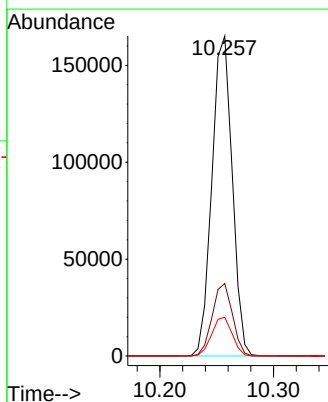
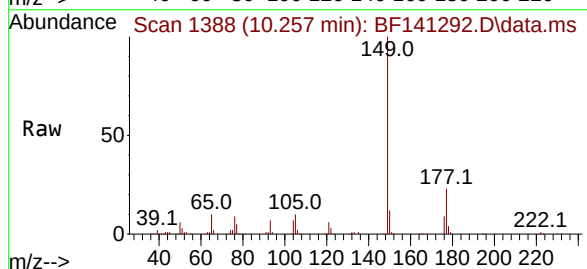
Manual Integrations
APPROVED

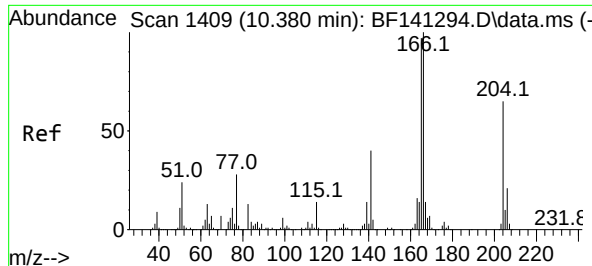
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

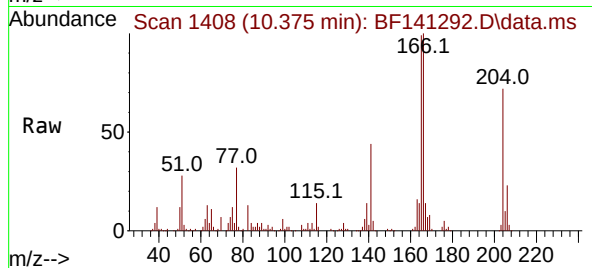
Tgt Ion:149 Resp: 205131
Ion Ratio Lower Upper
149 100
177 22.7 18.5 27.7
150 12.1 10.0 15.0





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

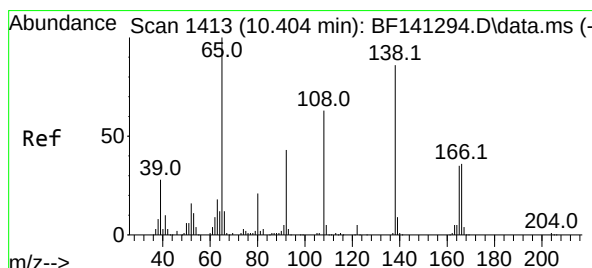
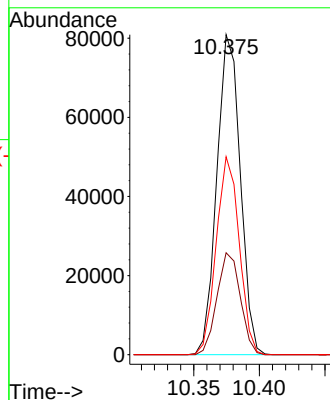
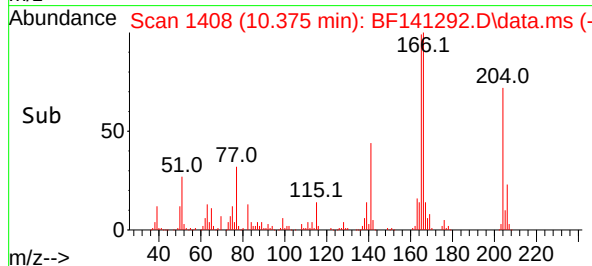
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



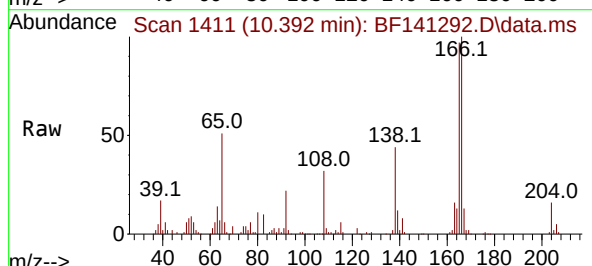
Tgt Ion:204 Resp: 100485
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 61.8 49.5 74.3

Manual Integrations
APPROVED

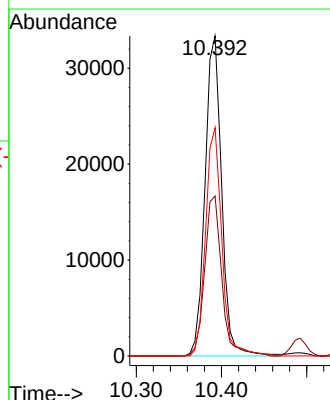
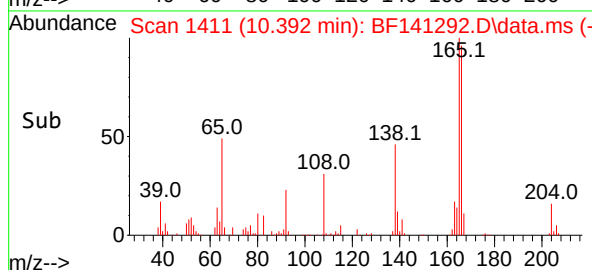
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

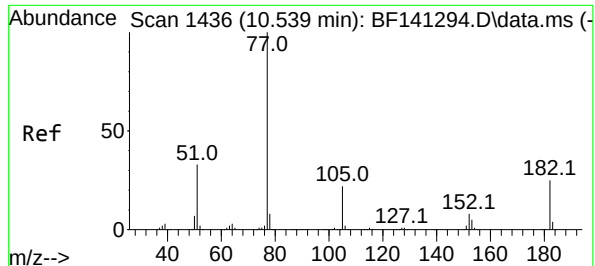


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



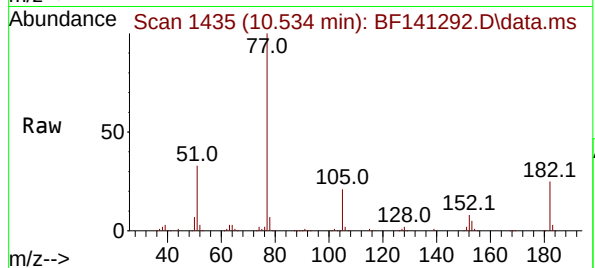
Tgt Ion:138 Resp: 45222
Ion Ratio Lower Upper
138 100
92 50.0 30.1 70.1
108 71.3 53.1 93.1





#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

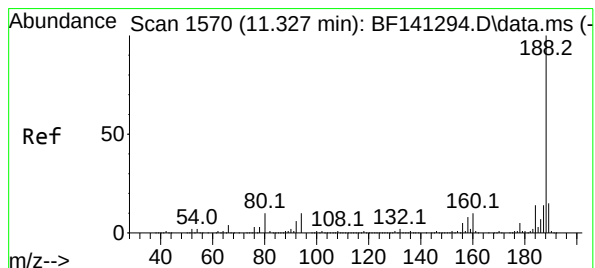
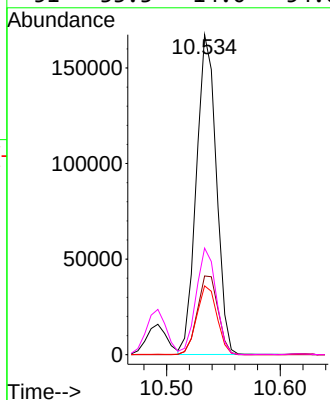
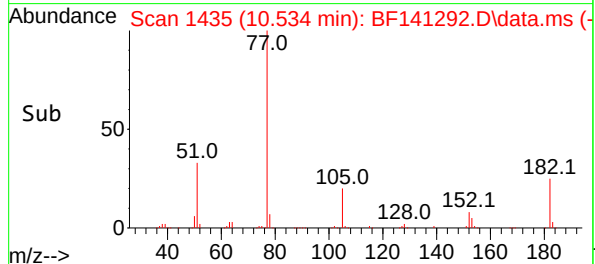
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



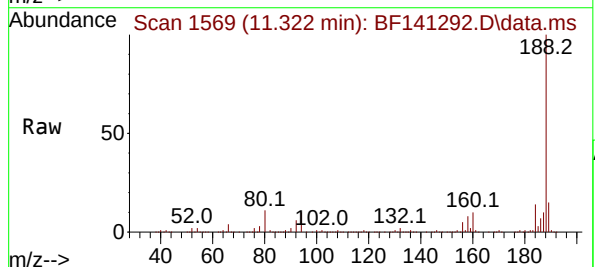
Tgt Ion: 77 Resp: 204300
Ion Ratio Lower Upper
77 100
182 24.6 5.1 45.1
105 21.5 1.8 41.8
51 33.3 14.0 54.0

Manual Integrations
APPROVED

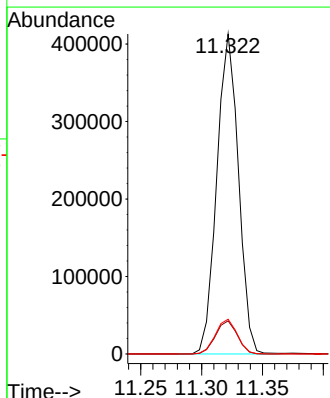
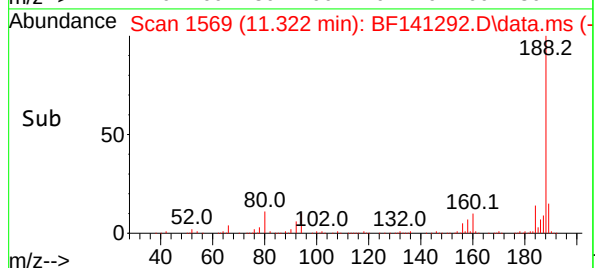
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

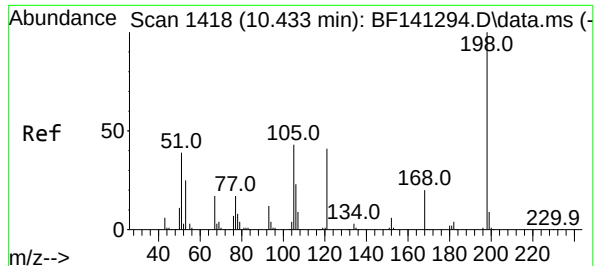


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



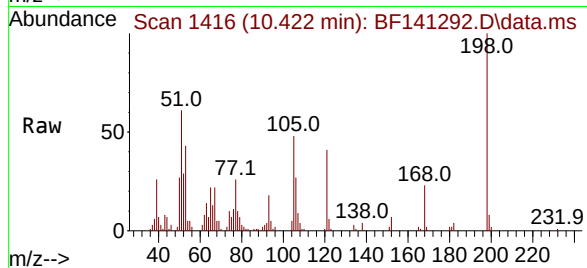
Tgt Ion:188 Resp: 510795
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 10.9 8.2 12.4





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

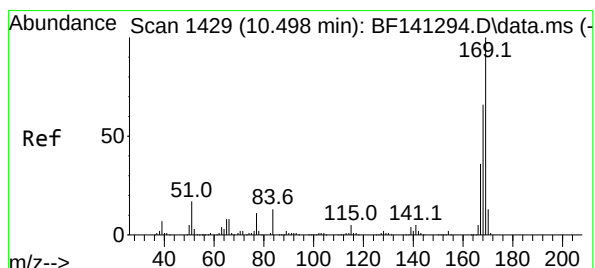
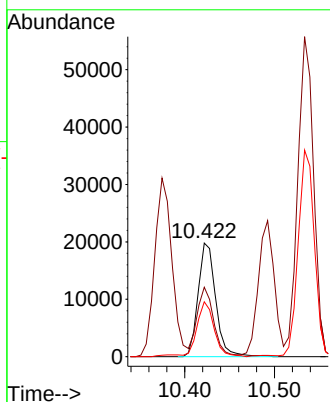
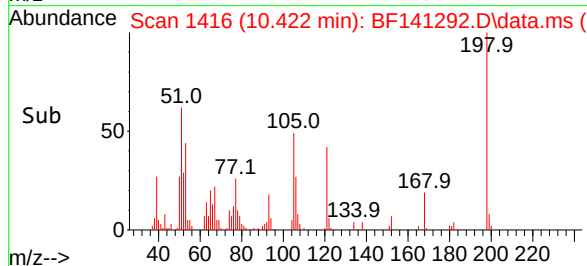
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

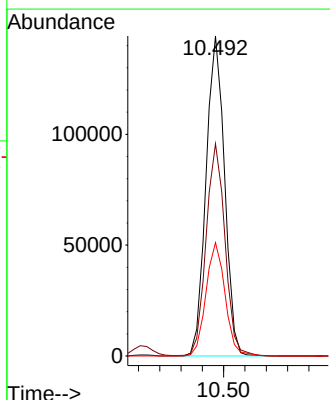
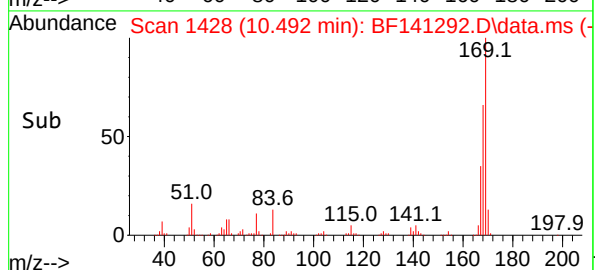
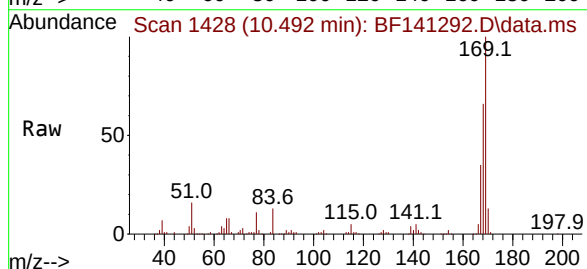
Manual Integrations
APPROVED

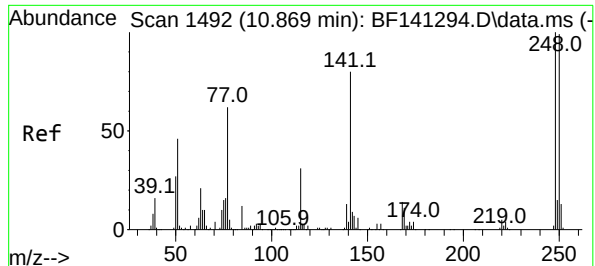
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

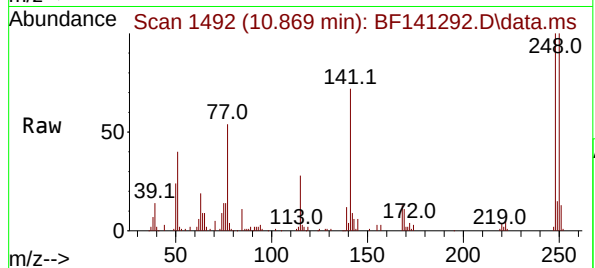
Tgt Ion:169 Resp: 174617
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 35.4 28.8 43.2





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

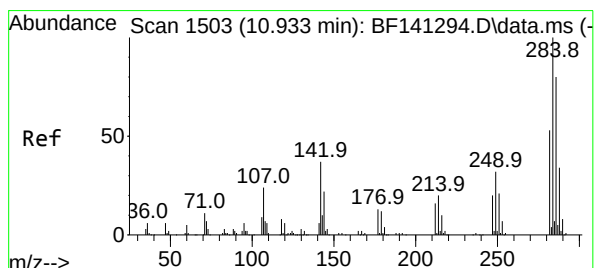
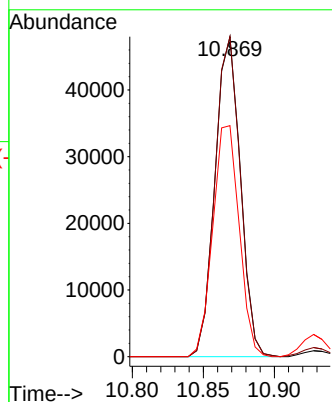
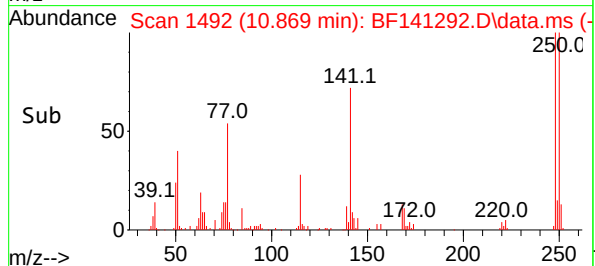
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



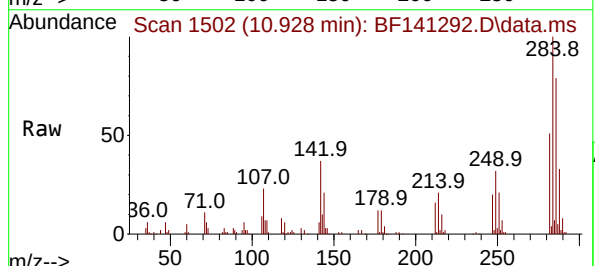
Tgt Ion:248 Resp: 59770
Ion Ratio Lower Upper
248 100
250 100.0 79.0 118.4
141 72.2 63.7 95.5

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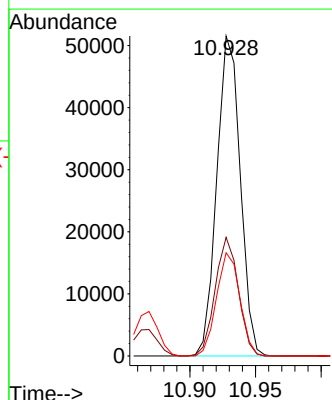
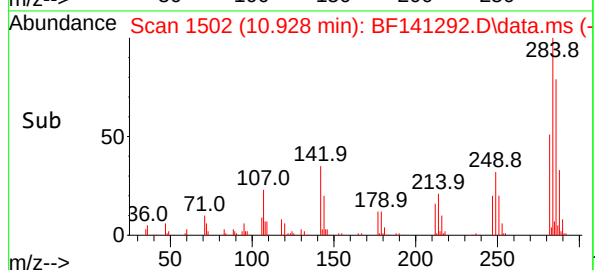
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

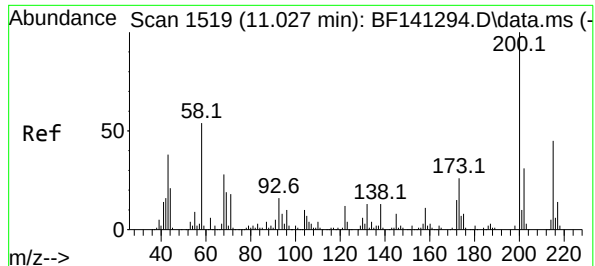


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49



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





#69

Atrazine

Concen: 9.295 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

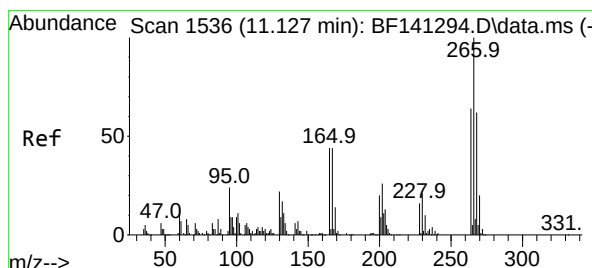
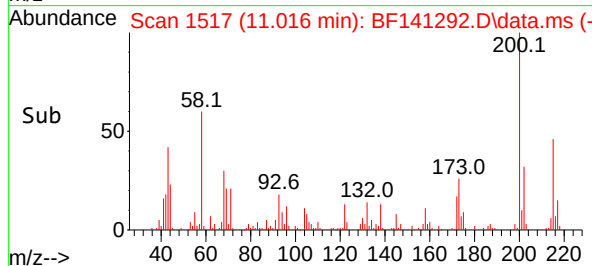
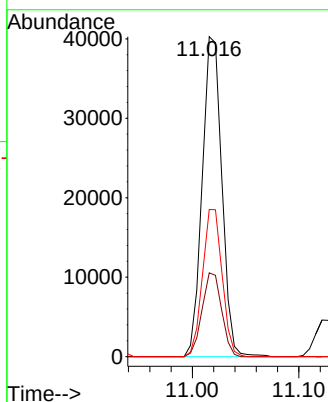
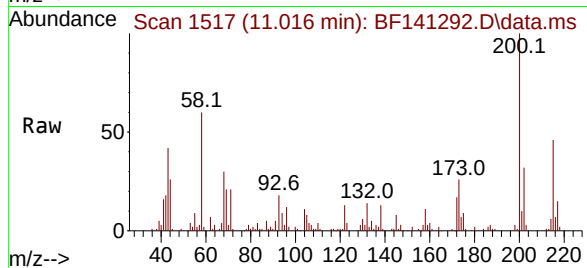
SSTDIC010

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

Manual Integrations

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



#70

Pentachlorophenol

Concen: 9.796 ng

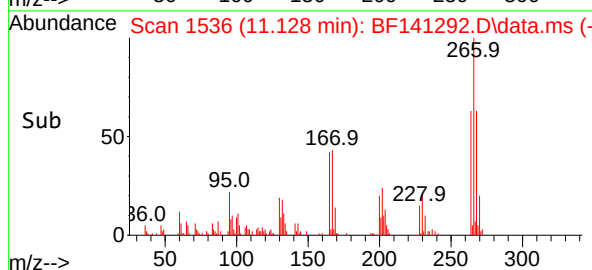
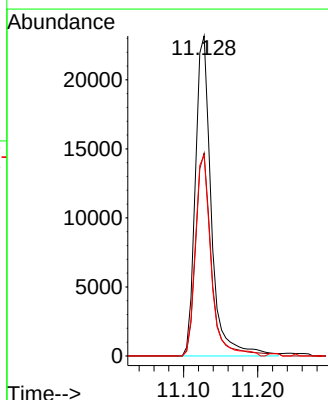
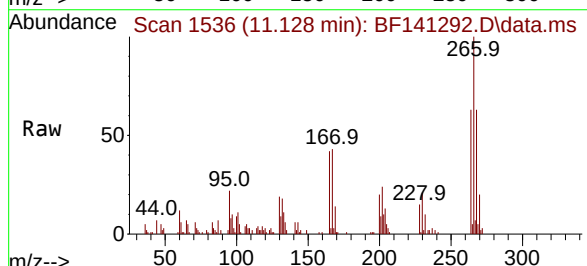
RT: 11.128 min Scan# 1536

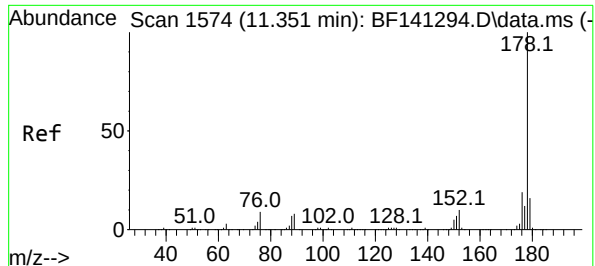
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

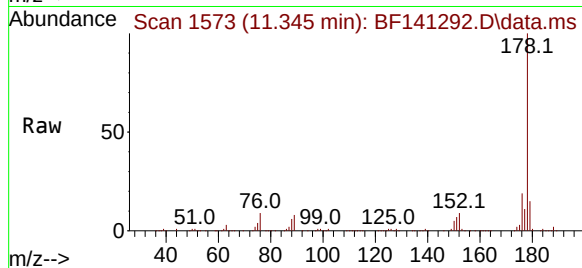
Tgt Ion	266	Resp	34788
Ion Ratio	Lower	Upper	
266	100		
268	63.4	49.9	74.9
264	62.7	51.0	76.4





#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

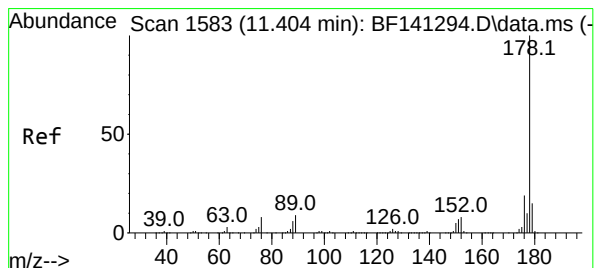
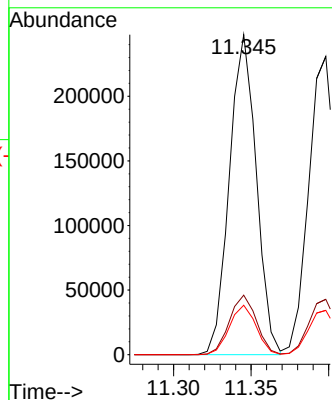
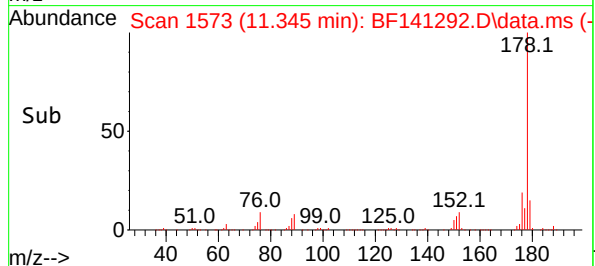
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 298892
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.4 12.5 18.7

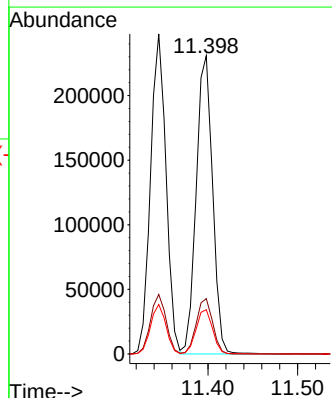
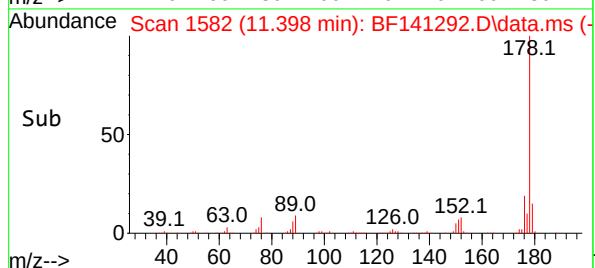
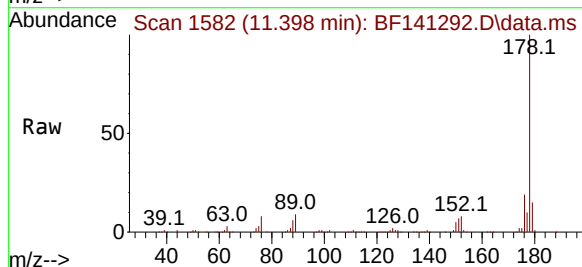
Manual Integrations
APPROVED

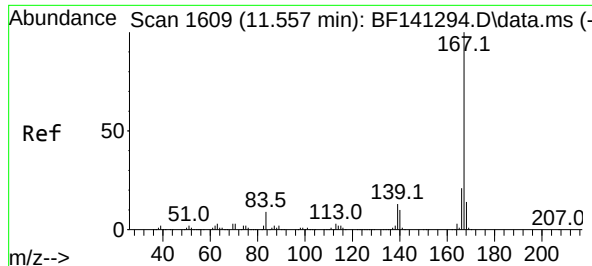
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

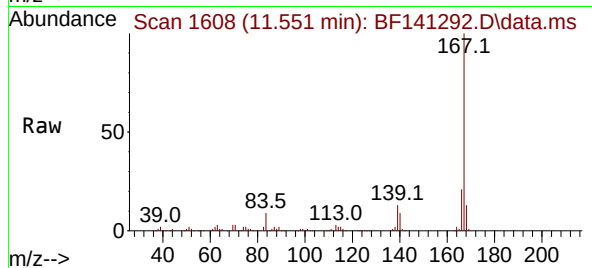
Tgt Ion:178 Resp: 292813
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 14.9 12.3 18.5





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

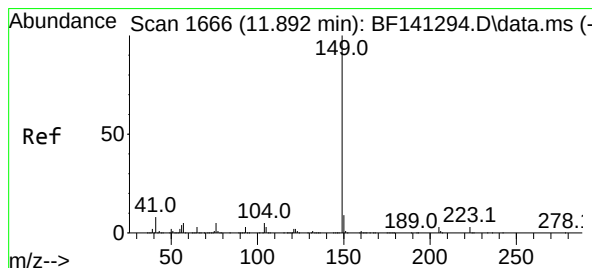
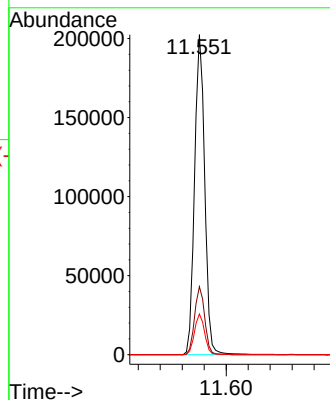
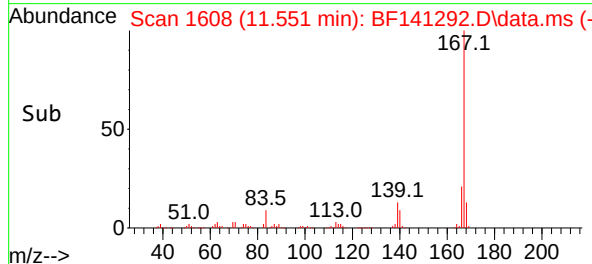
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

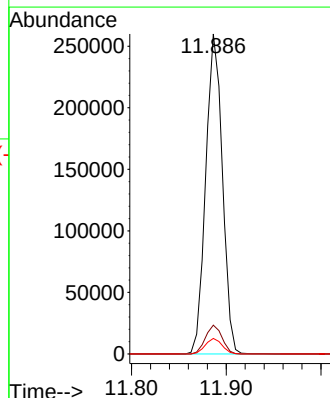
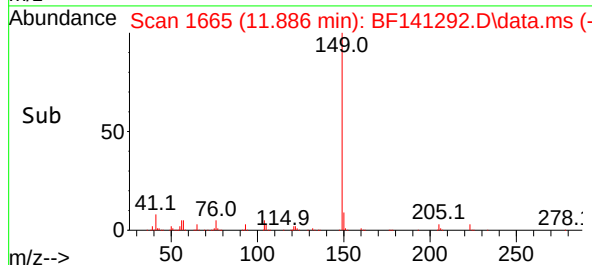
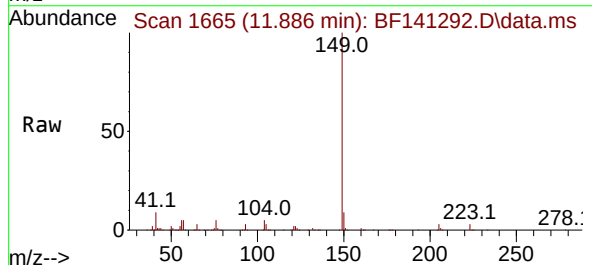
Manual Integrations
APPROVED

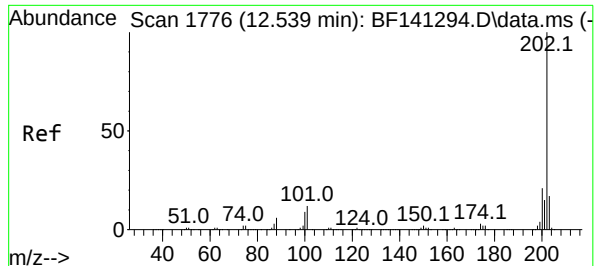
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

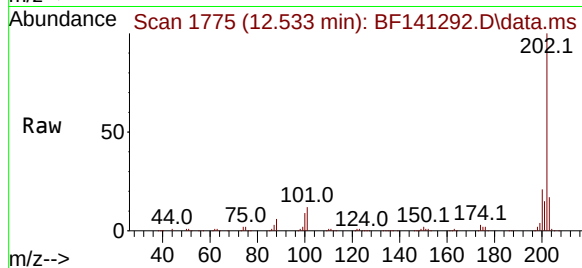
Tgt Ion:149 Resp: 316336
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 4.9 3.9 5.9





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

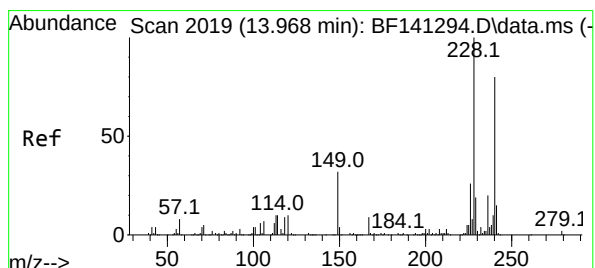
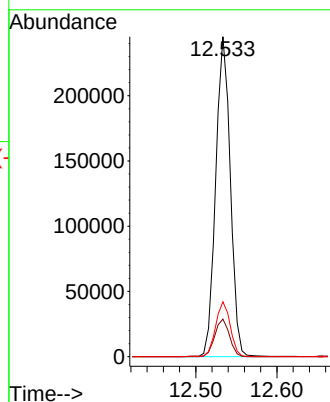
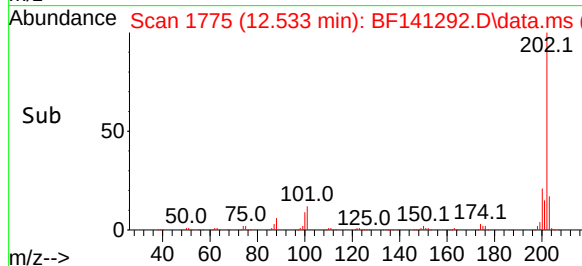
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

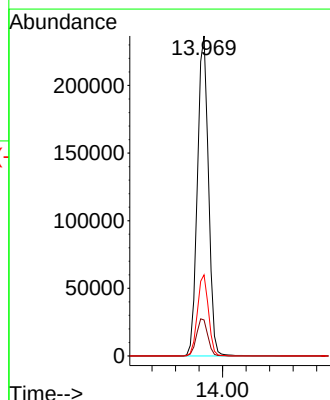
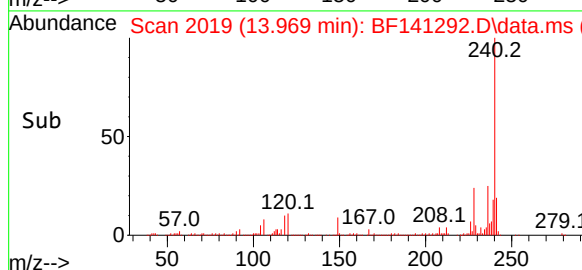
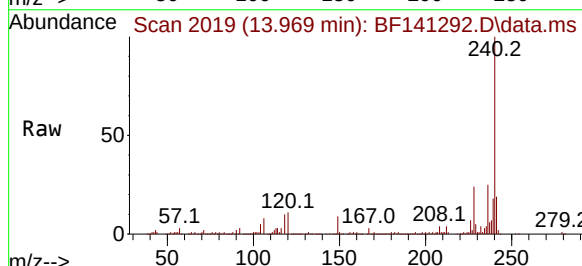
Manual Integrations
APPROVED

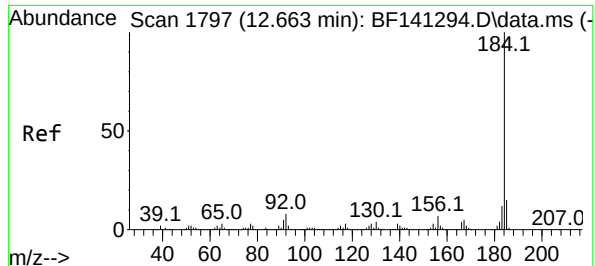
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

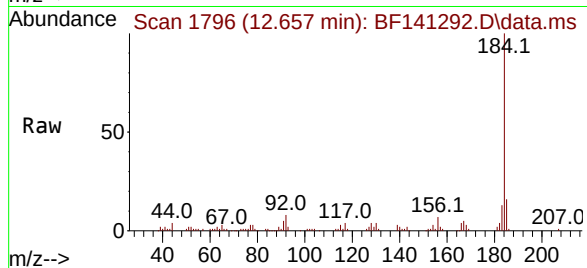
Tgt Ion:240 Resp: 308114
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.4 19.7 29.5





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

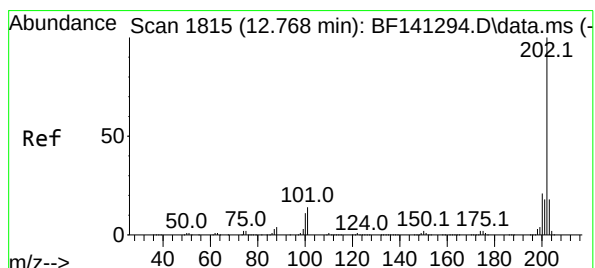
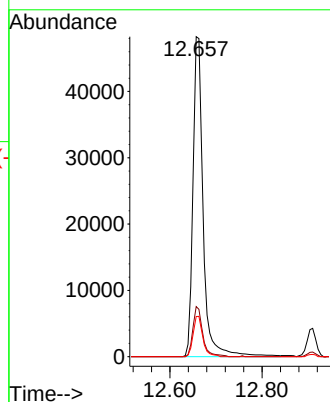
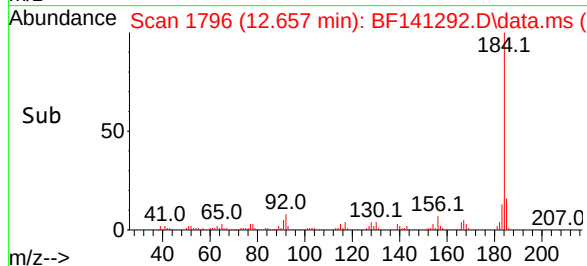
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

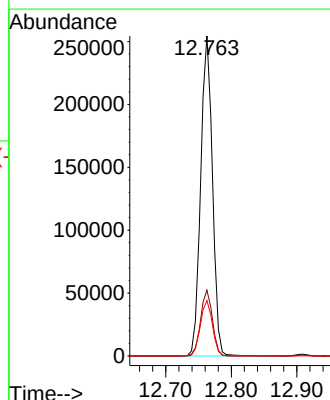
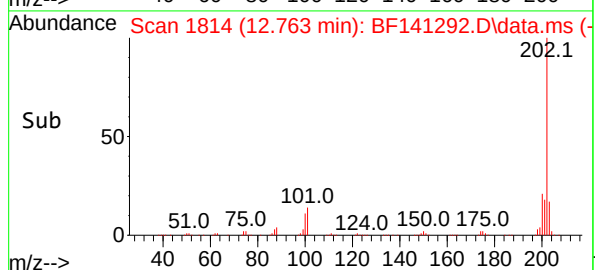
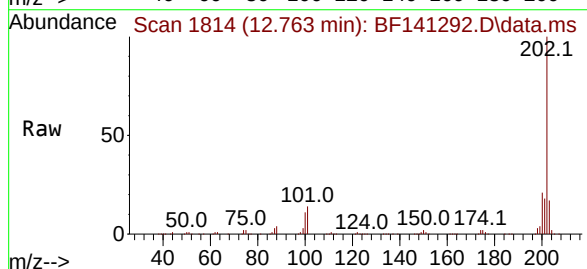
Manual Integrations
APPROVED

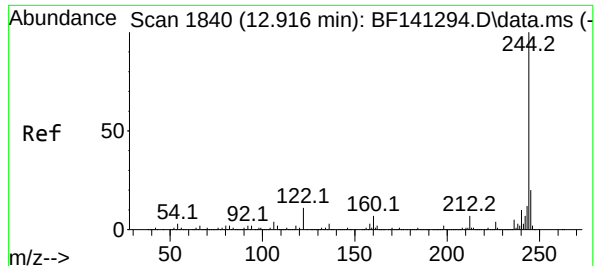
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

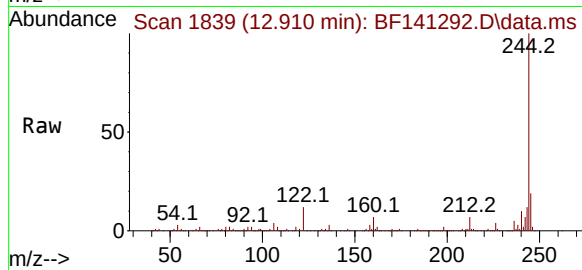
Tgt Ion:202 Resp: 317744
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.4
203 17.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 21.713 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141292.D
 Acq: 29 Jan 2025 11:49

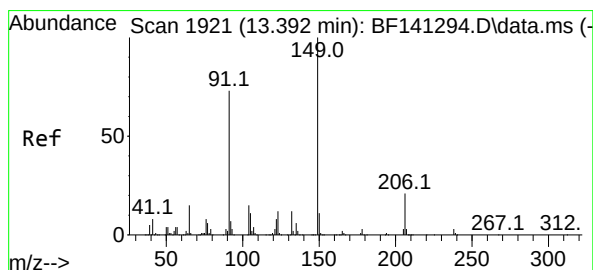
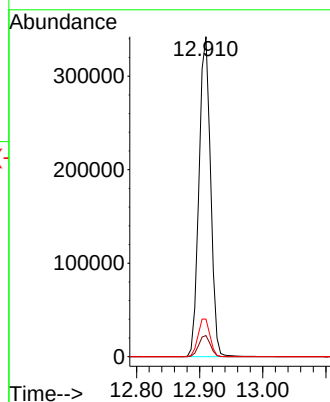
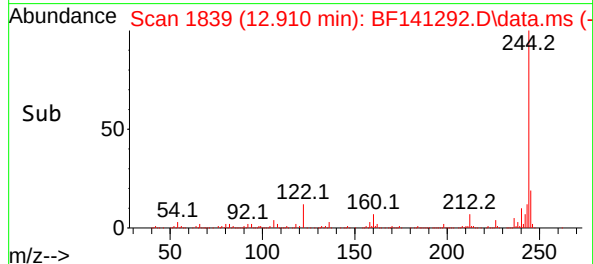
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



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

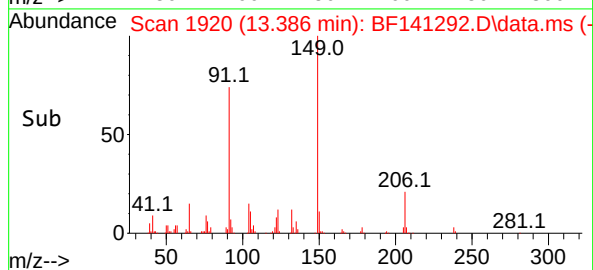
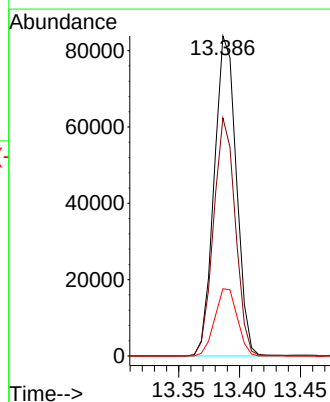
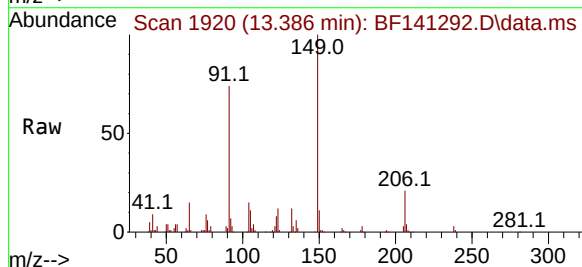
Manual Integrations
 APPROVED

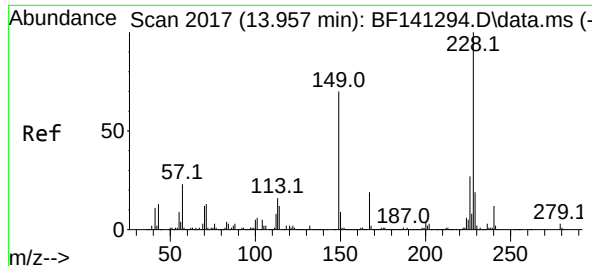
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#80
 Butylbenzylphthalate
 Concen: 10.349 ng
 RT: 13.386 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF141292.D
 Acq: 29 Jan 2025 11:49

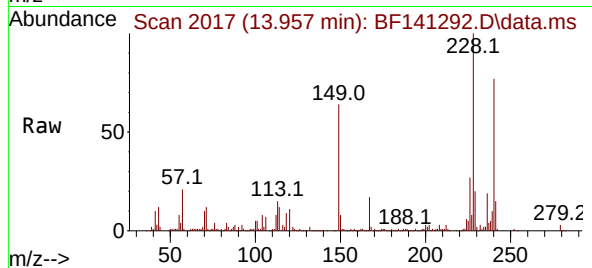
Tgt Ion:149 Resp: 106335
 Ion Ratio Lower Upper
 149 100
 91 74.4 58.6 87.8
 206 21.0 16.7 25.1





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

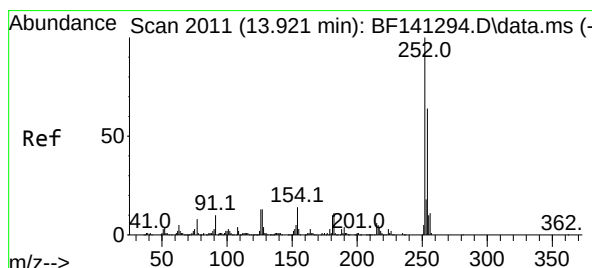
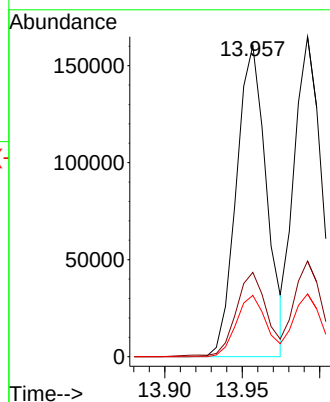
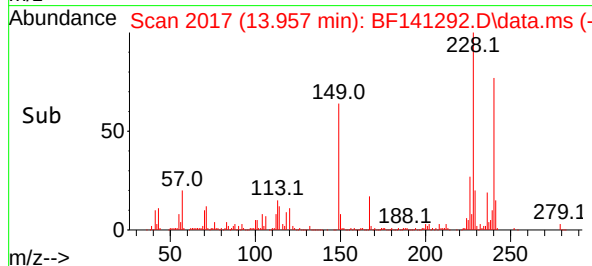
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

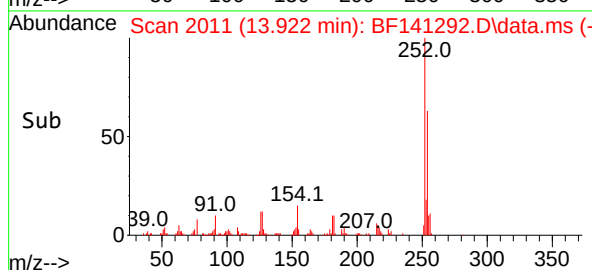
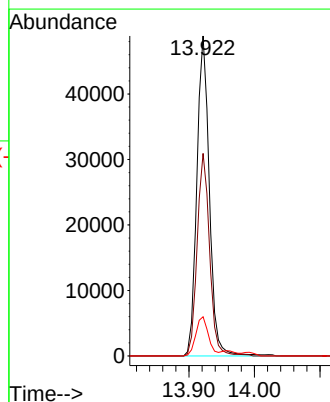
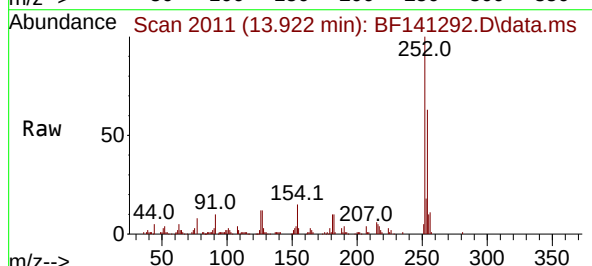
Manual Integrations
APPROVED

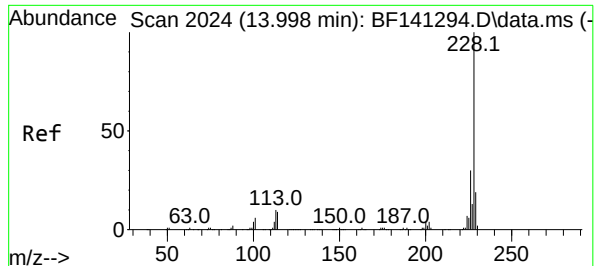
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

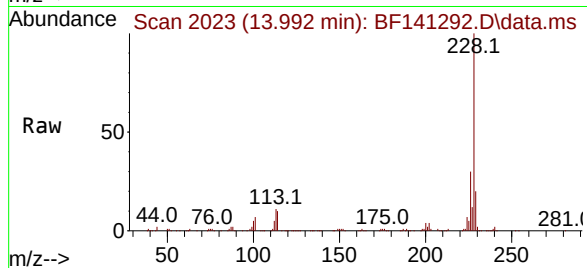
Tgt Ion:252 Resp: 65021
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.2 10.0 15.0





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

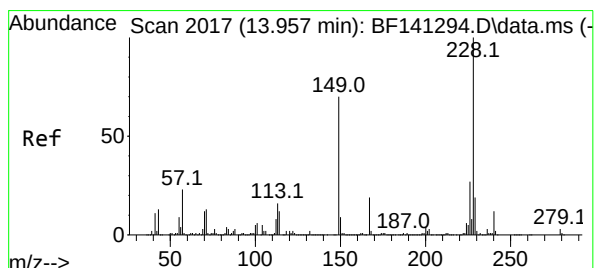
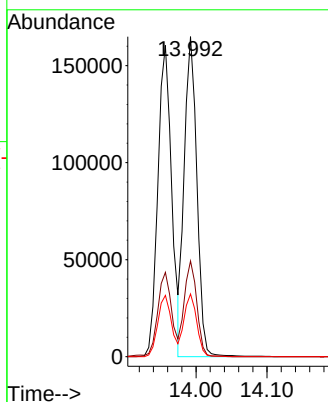
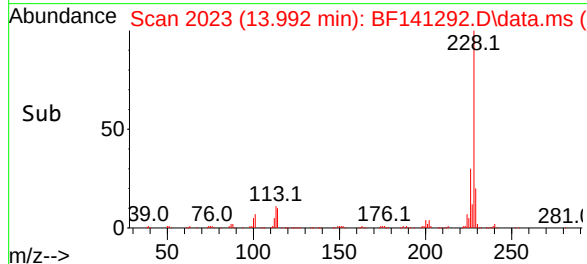
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

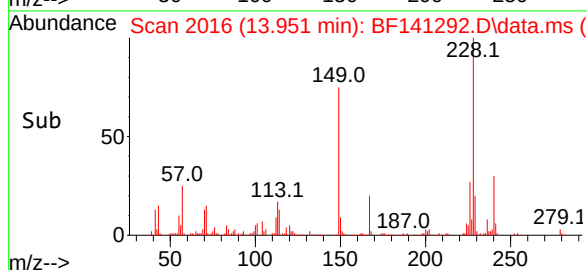
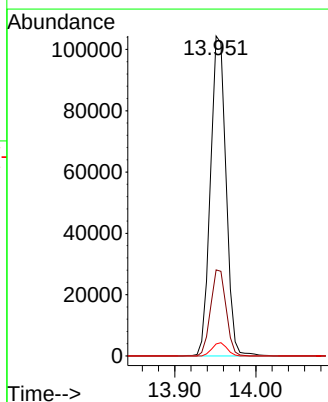
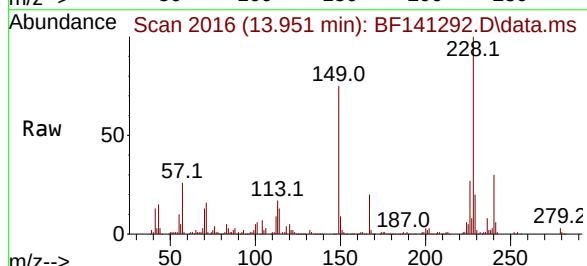
Manual Integrations
APPROVED

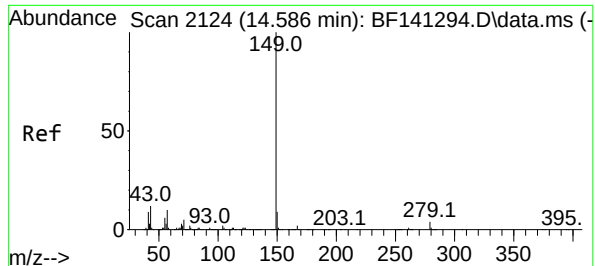
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

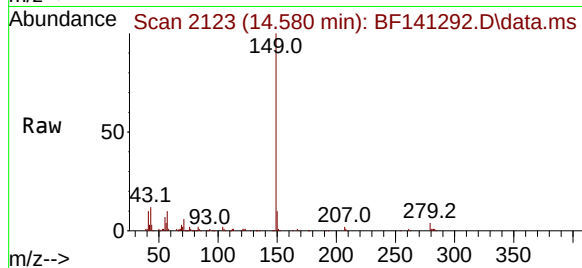
Tgt Ion:149 Resp: 139099
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.8 3.3 4.9





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

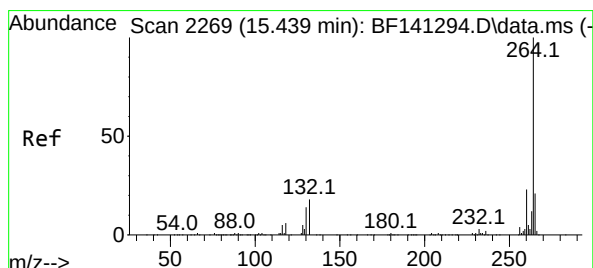
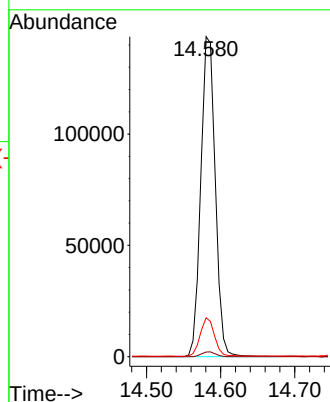
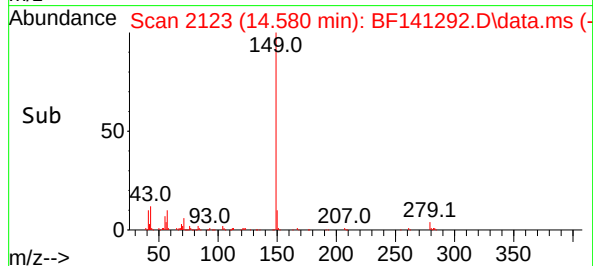
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

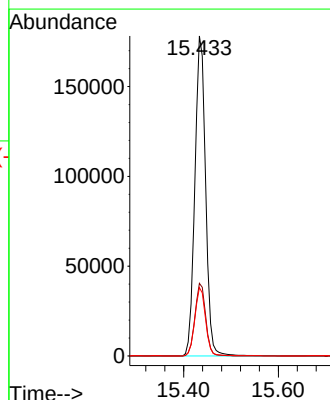
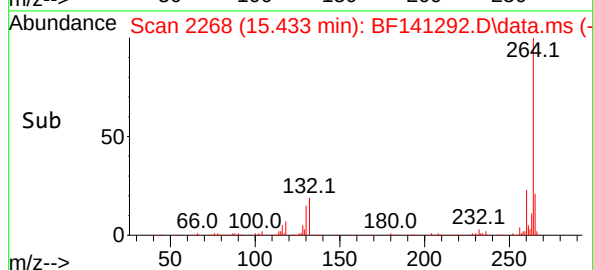
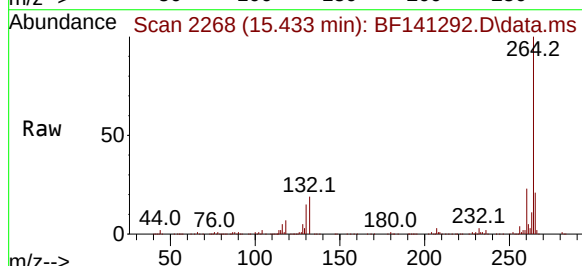
Manual Integrations
APPROVED

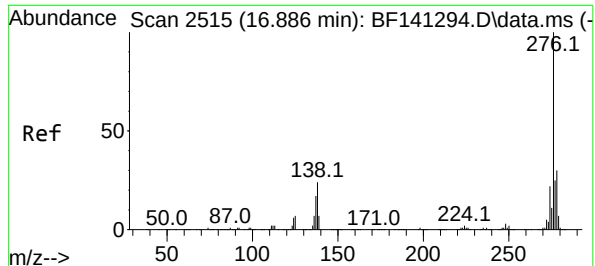
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.708 ng

RT: 16.874 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141292.D

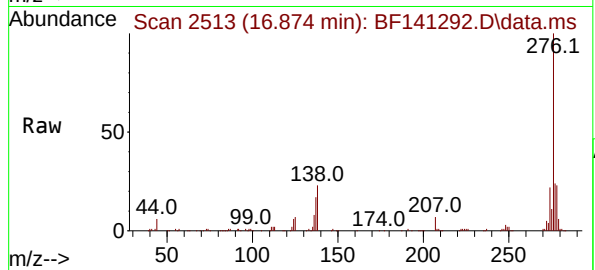
Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:276 Resp: 177554

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

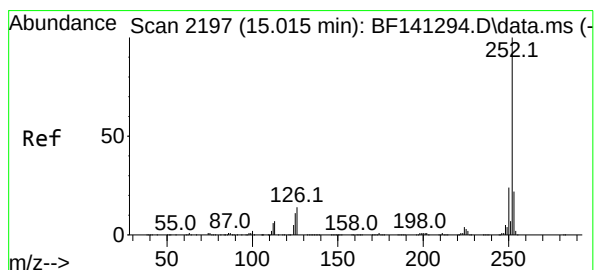
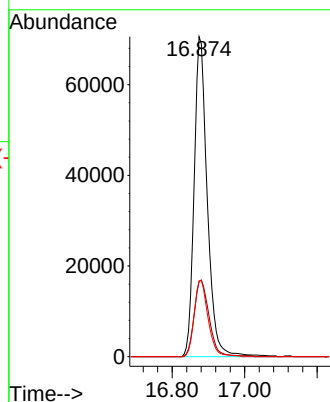
277 25.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 11.130 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

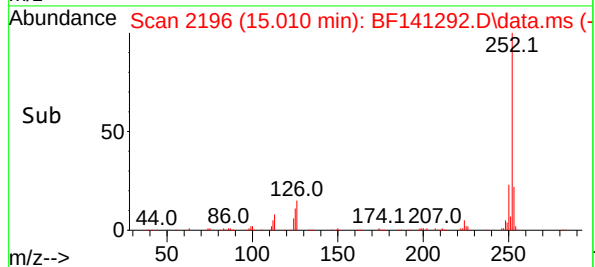
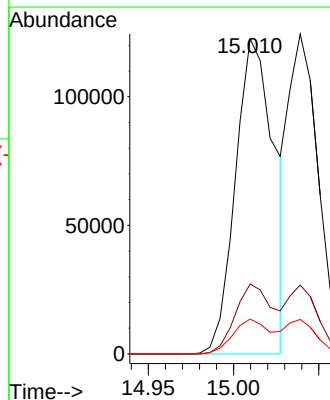
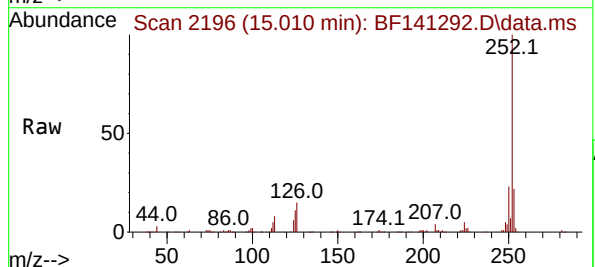
Tgt Ion:252 Resp: 193558

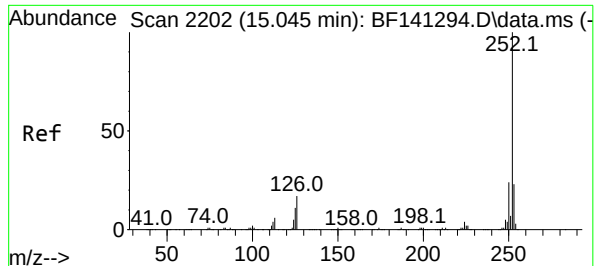
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 11.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 10.012 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

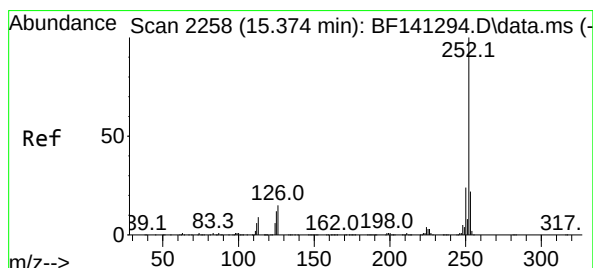
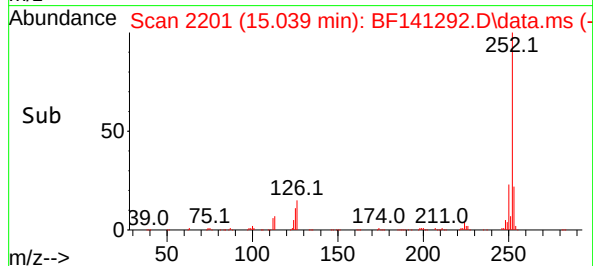
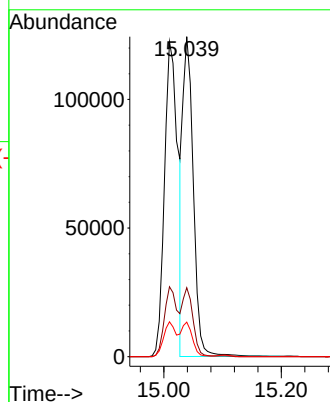
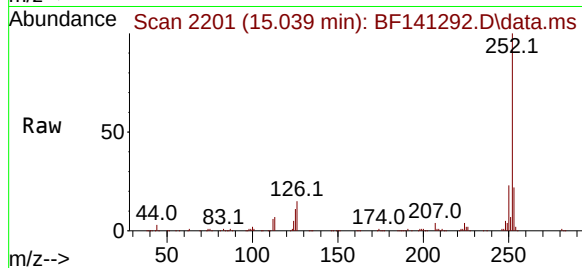
SSTDICC010

Tgt Ion	252	253	125
Resp:	15592		
Ratio	100	21.5	10.8
Lower		17.6	8.4
Upper		26.4	12.6

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 9.972 ng

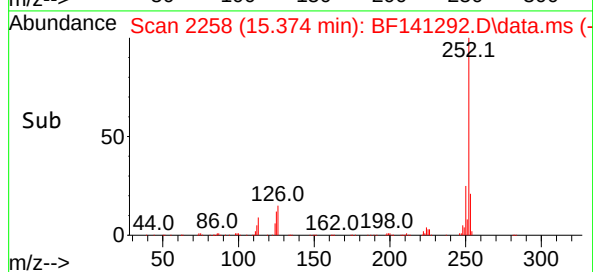
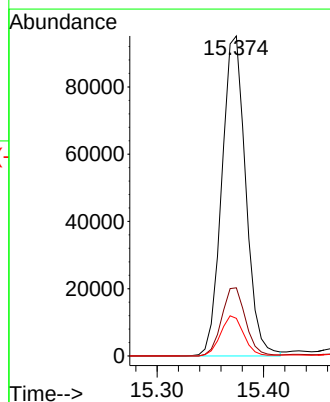
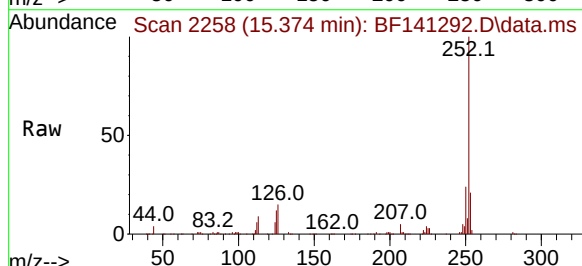
RT: 15.374 min Scan# 2258

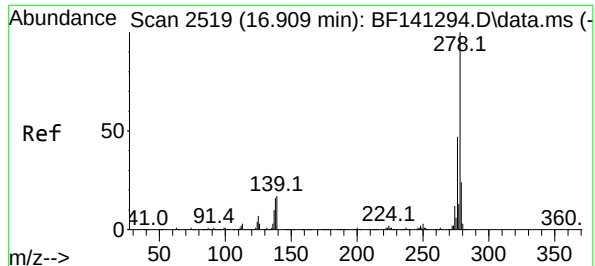
Delta R.T. 0.000 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

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





#91

Dibenzo(a,h)anthracene

Concen: 9.559 ng

RT: 16.898 min Scan# 2519

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Tgt Ion:278 Resp: 14014

Ion Ratio Lower Upper

278 100

139 18.1 13.9 20.9

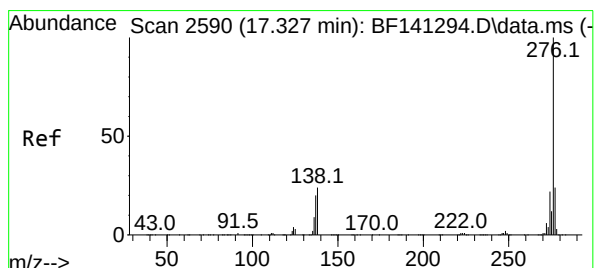
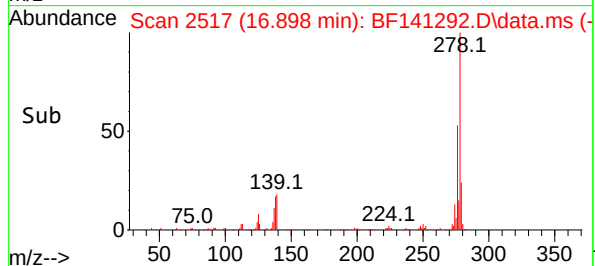
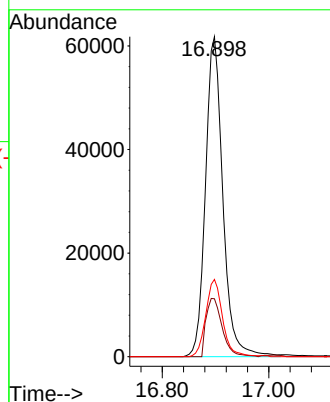
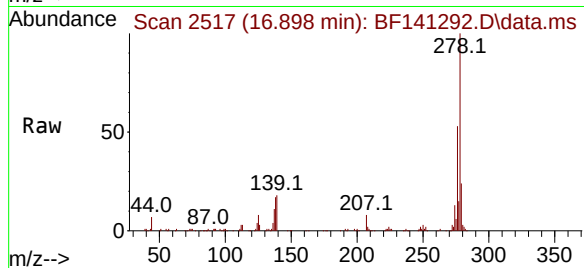
279 24.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 9.756 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.012 min

Lab File: BF141292.D

Acq: 29 Jan 2025 11:49

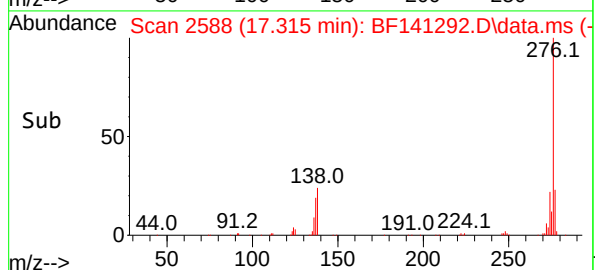
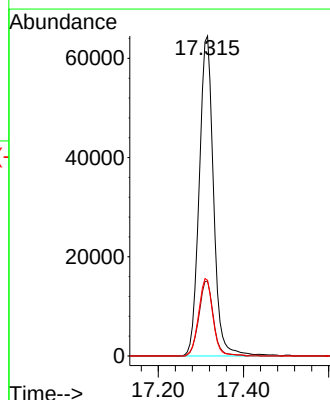
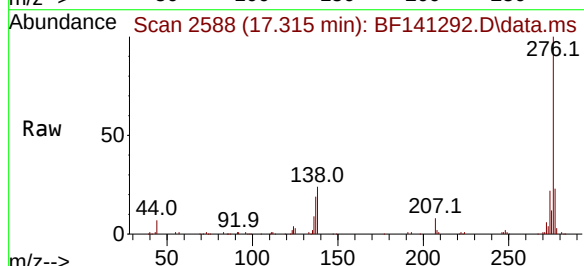
Tgt Ion:276 Resp: 150453

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 23.6 19.0 28.4



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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

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

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

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

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

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

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

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

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

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

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

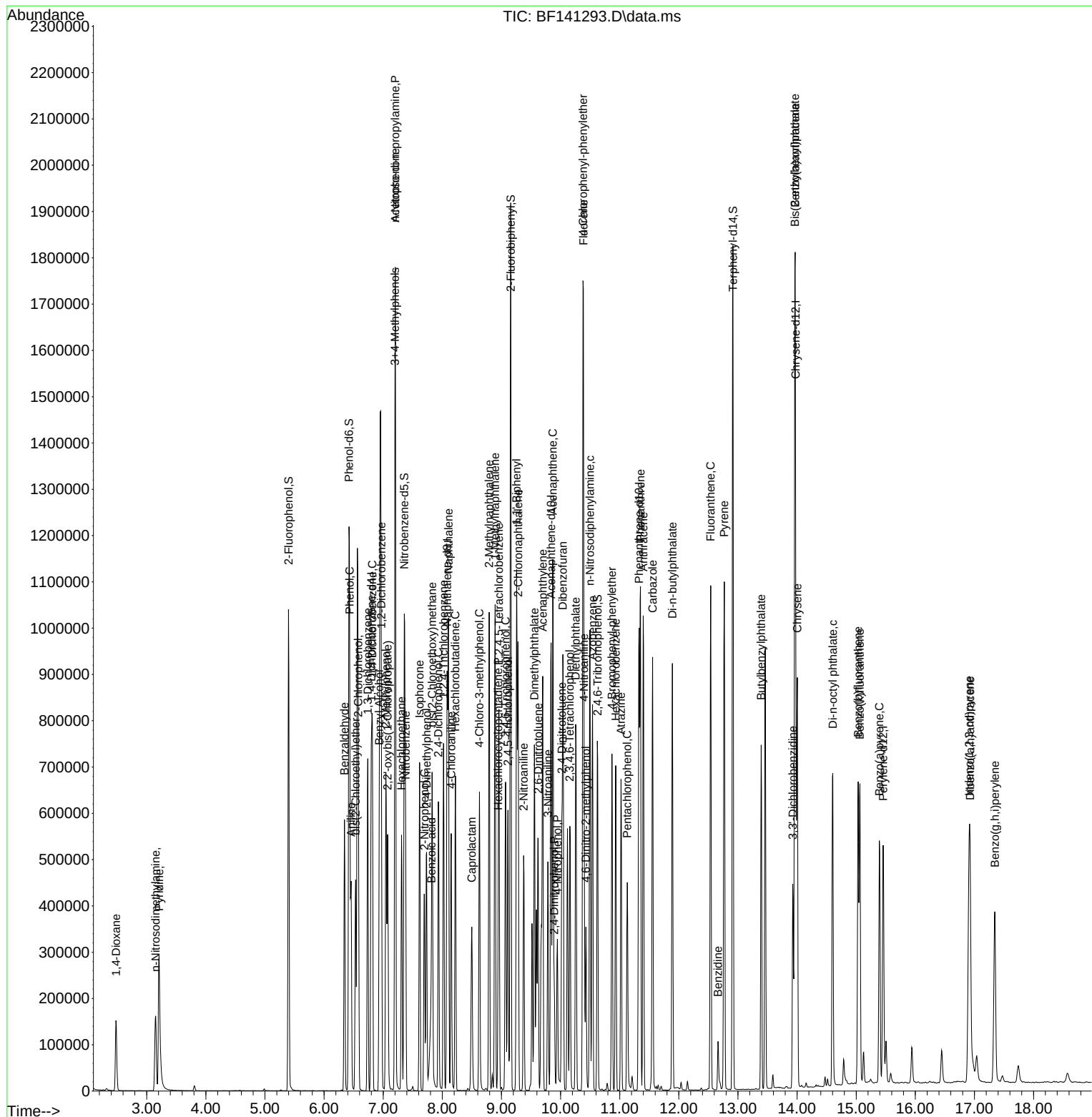
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Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

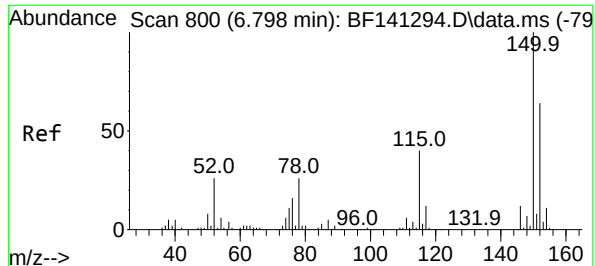
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

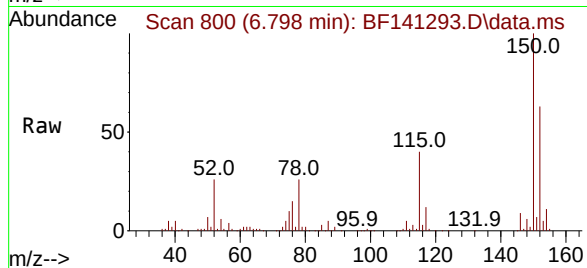
Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration





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

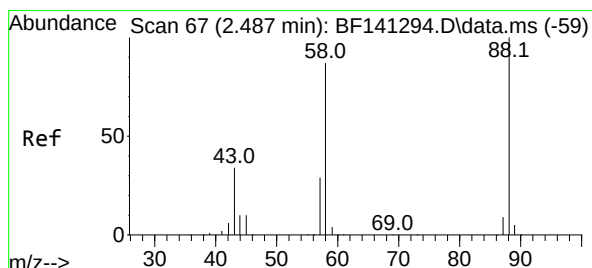
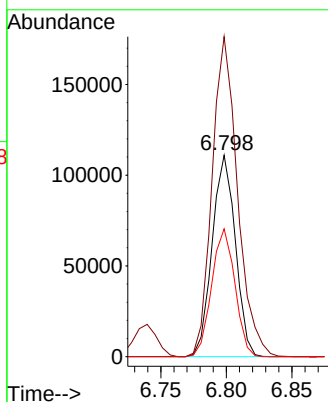
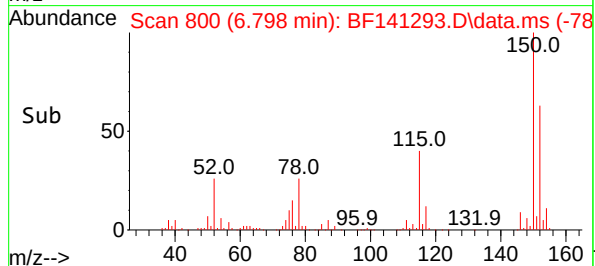
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



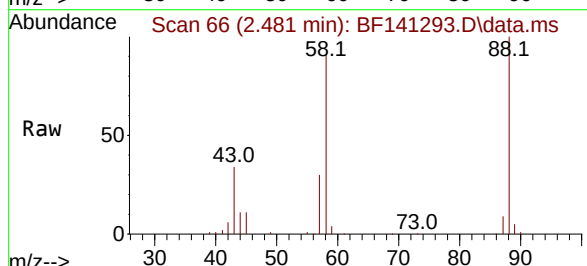
Tgt Ion:152 Resp: 13649
Ion Ratio Lower Upper
152 100
150 158.9 125.9 188.9
115 63.5 49.7 74.5

Manual Integrations
APPROVED

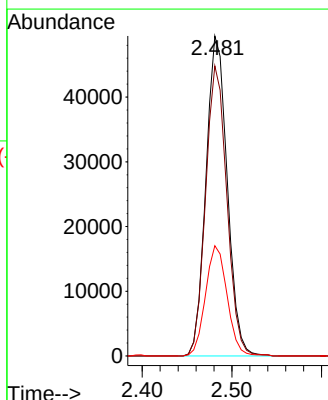
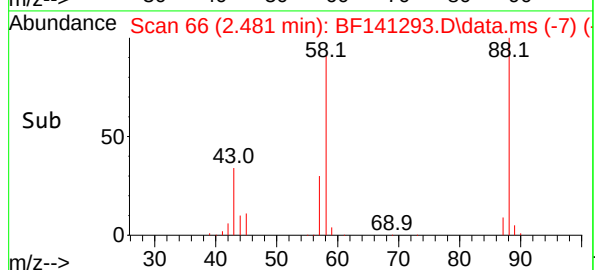
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

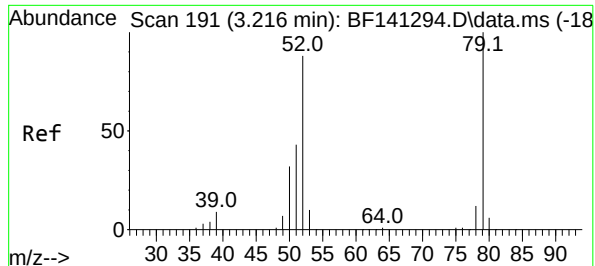


#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



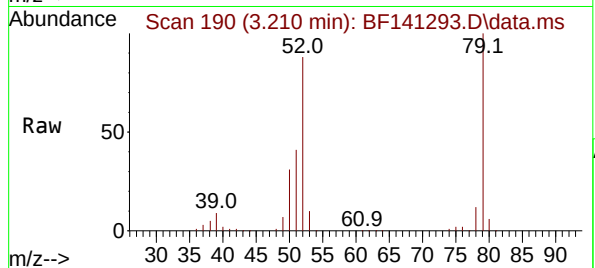
Tgt Ion: 88 Resp: 81467
Ion Ratio Lower Upper
88 100
58 90.4 70.2 105.4
43 35.0 27.6 41.4





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

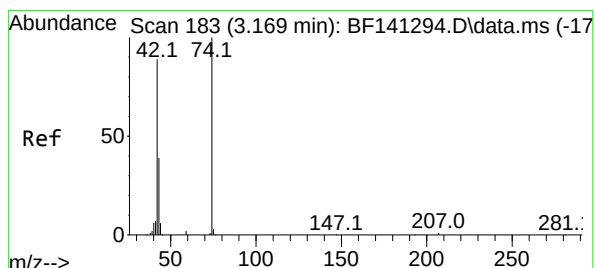
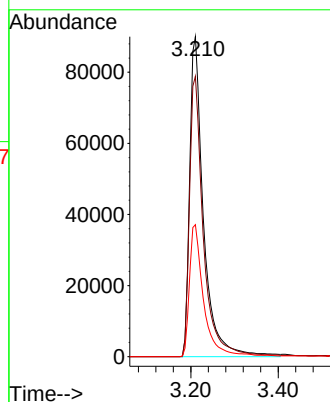
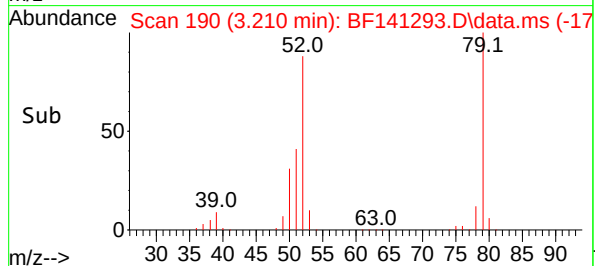
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



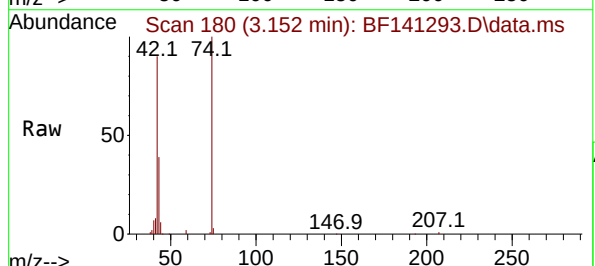
Tgt Ion: 79 Resp: 19785
Ion Ratio Lower Upper
79 100
52 87.6 70.3 105.5
51 41.2 34.3 51.5

Manual Integrations
APPROVED

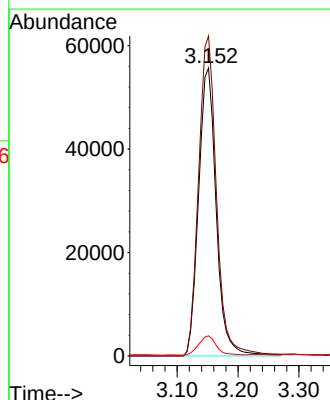
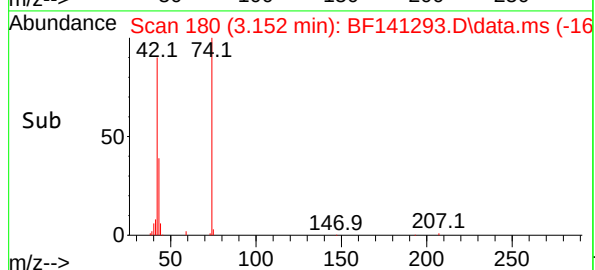
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

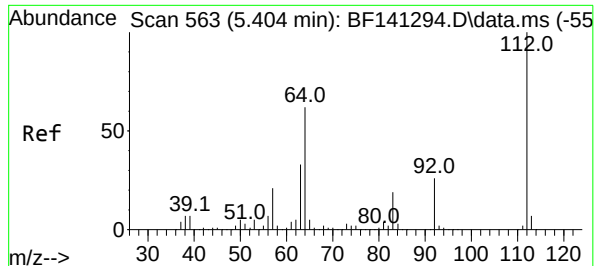


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



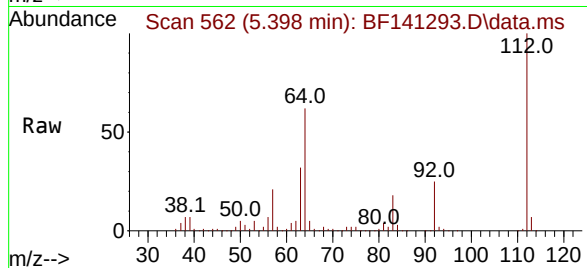
Tgt Ion: 42 Resp: 112451
Ion Ratio Lower Upper
42 100
74 111.2 90.3 135.5
44 7.0 5.7 8.5





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

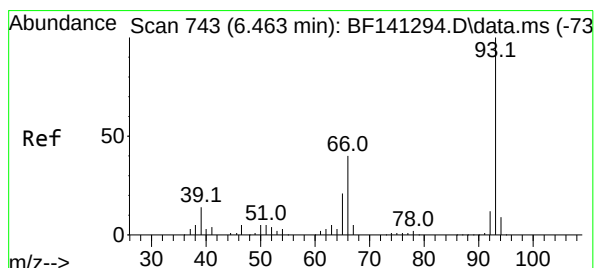
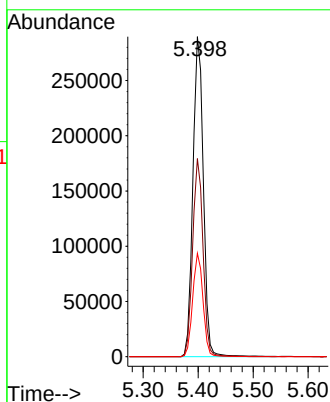
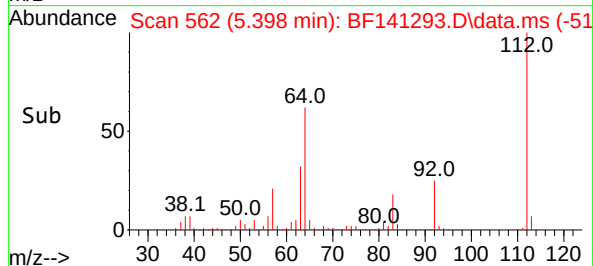
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

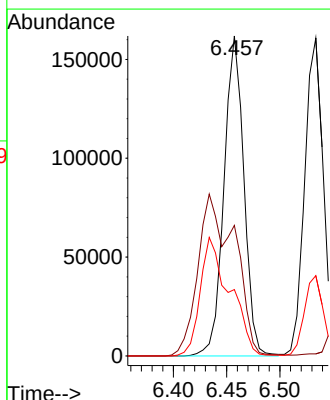
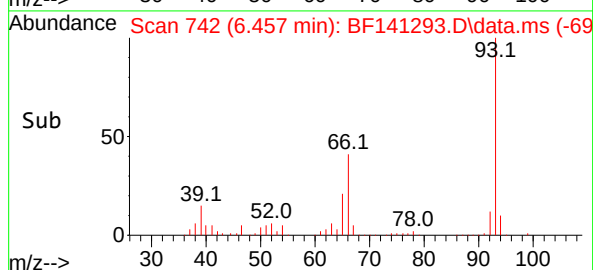
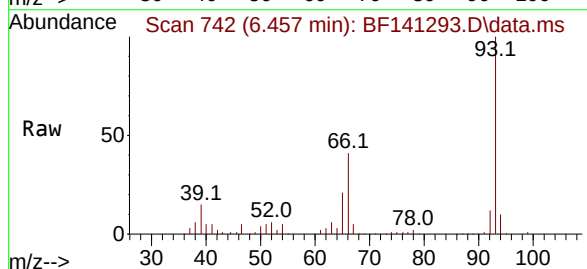
Manual Integrations
APPROVED

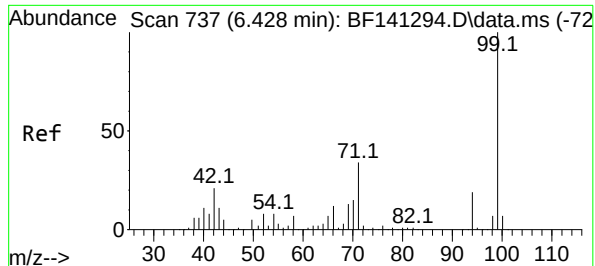
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#7

Phenol-d6

Concen: 42.305 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 475870

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

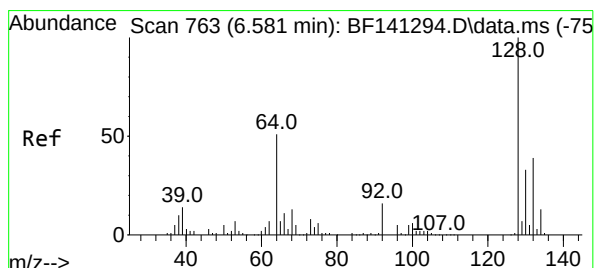
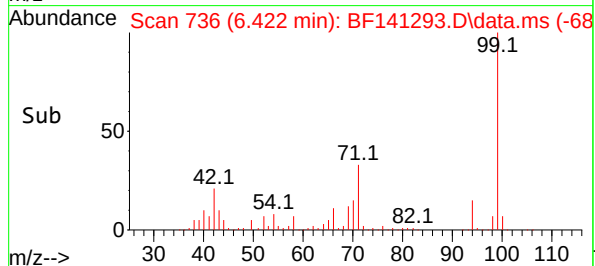
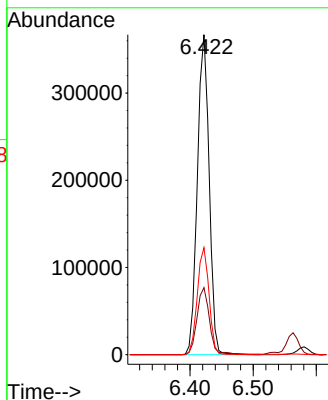
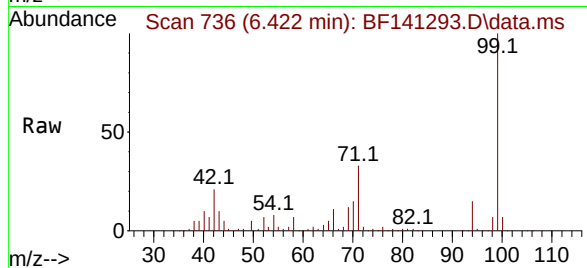
71 33.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 21.418 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

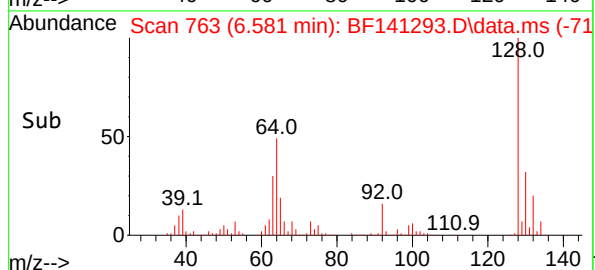
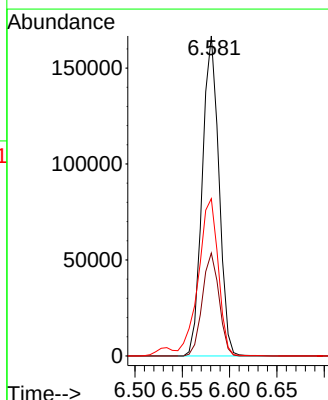
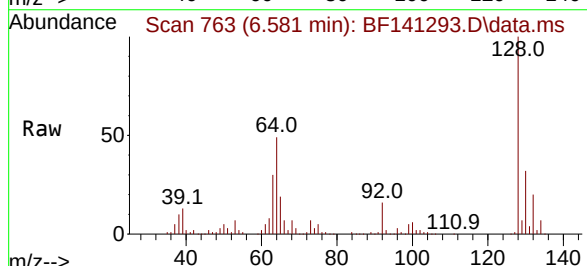
Tgt Ion:128 Resp: 203008

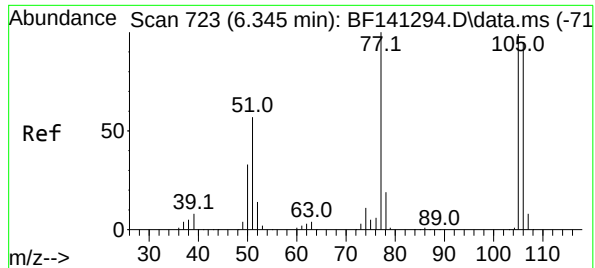
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 49.1 32.9 72.9





#9

Benzaldehyde

Concen: 23.065 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 77 Resp: 150679

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

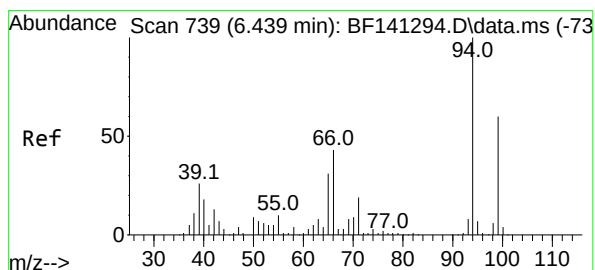
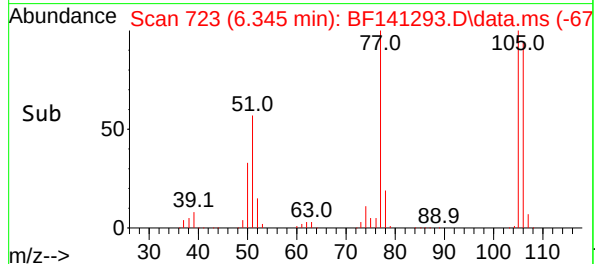
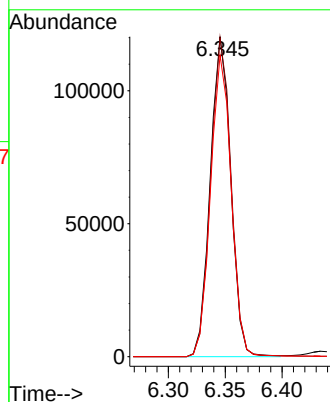
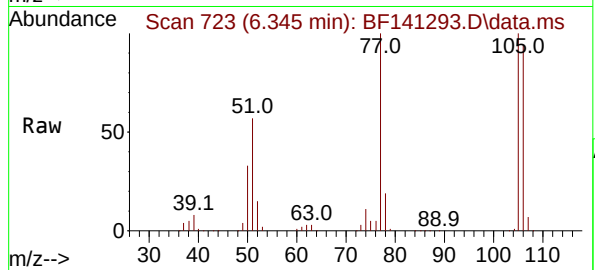
106 94.2 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 21.611 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

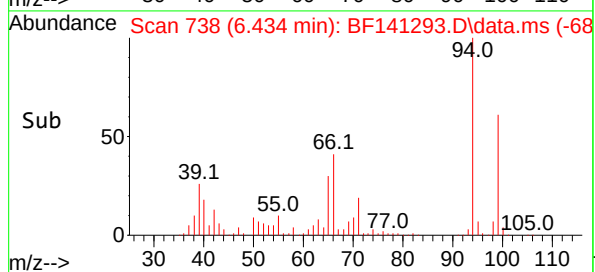
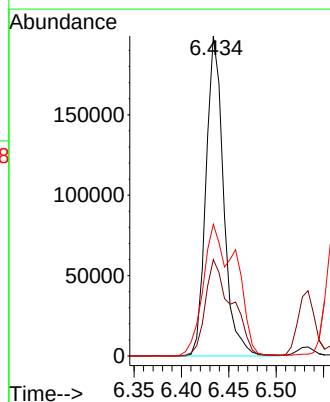
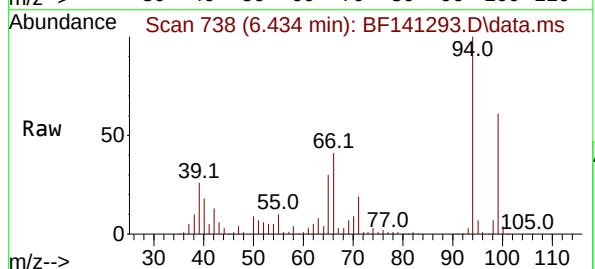
Tgt Ion: 94 Resp: 257179

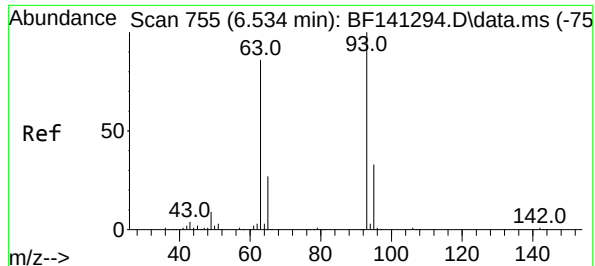
Ion Ratio Lower Upper

94 100

65 30.1 10.8 50.8

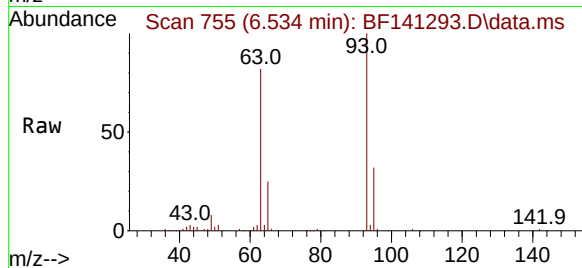
66 41.1 23.3 63.3





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

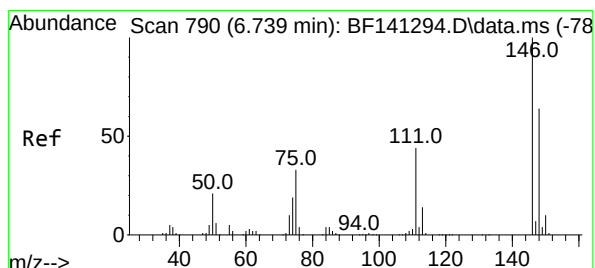
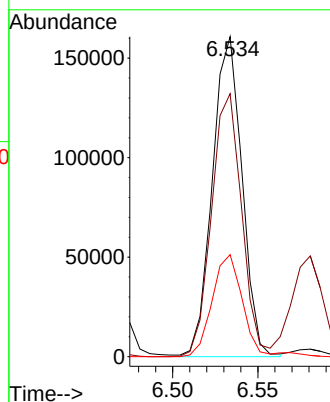
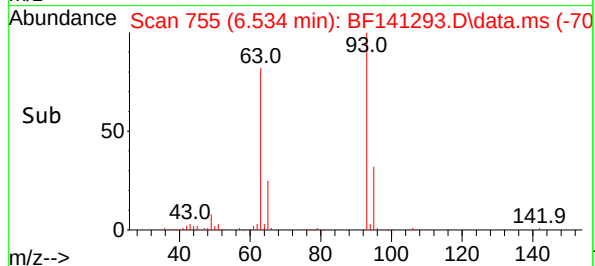
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



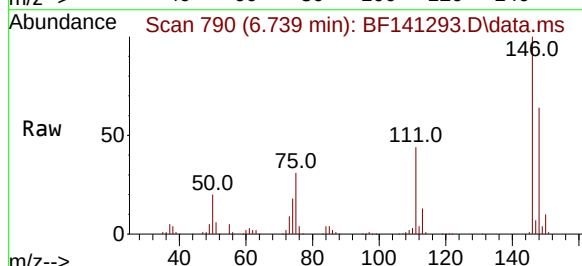
Tgt Ion: 93 Resp: 194572
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 31.9 12.4 52.4

Manual Integrations
APPROVED

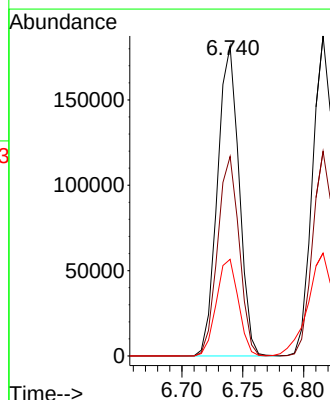
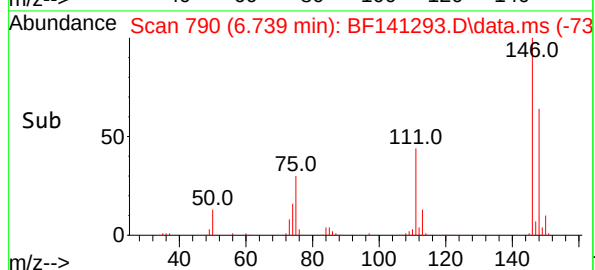
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

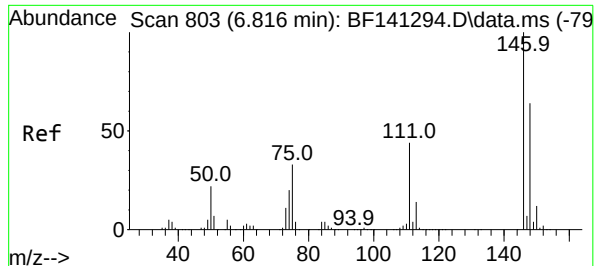


#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



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





#13

1,4-Dichlorobenzene

Concen: 21.503 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDIC020

Tgt Ion:146 Resp: 226370

Ion Ratio Lower Upper

146 100

148 63.9 51.2 76.8

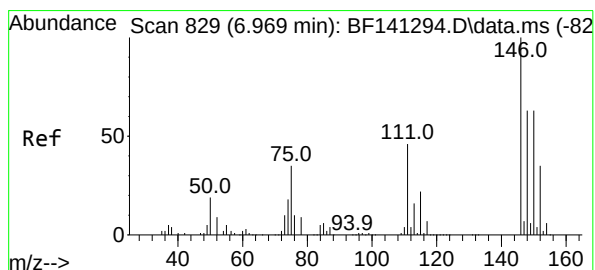
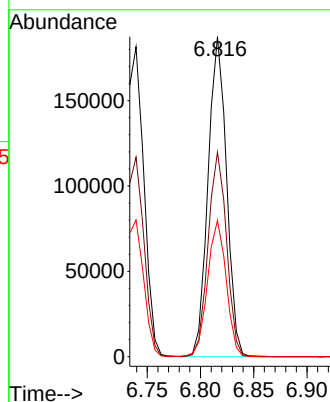
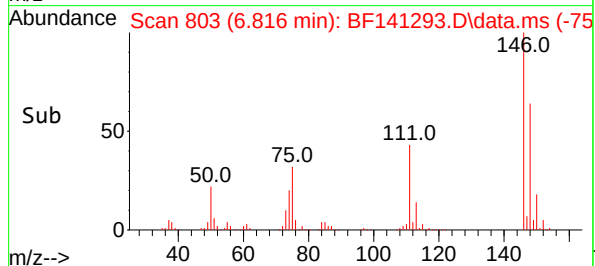
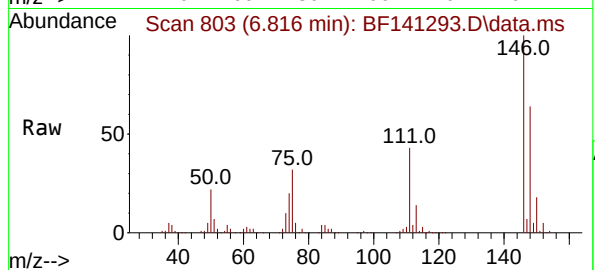
111 42.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 21.714 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

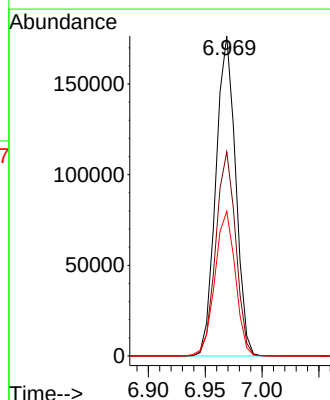
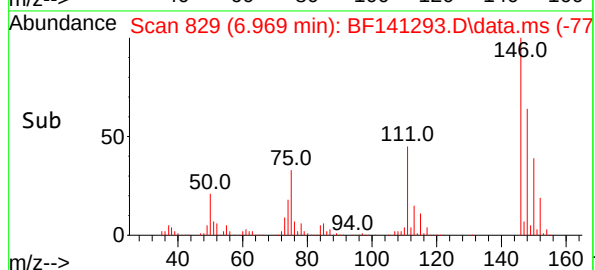
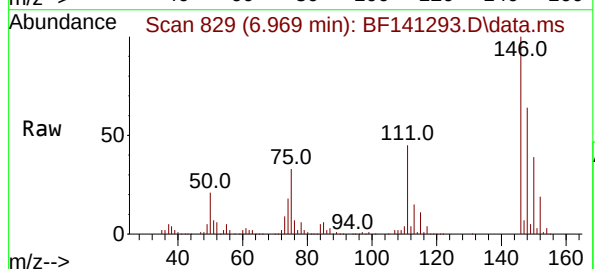
Tgt Ion:146 Resp: 213616

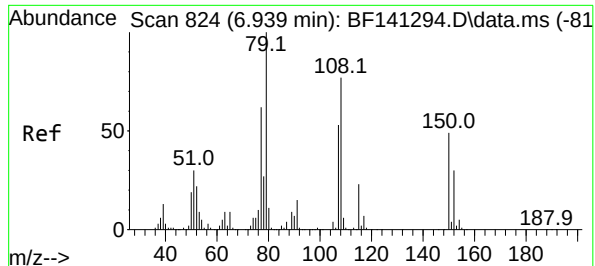
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

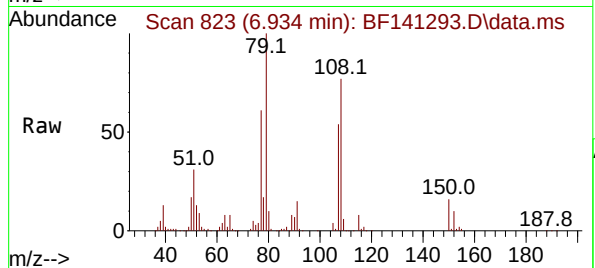
111 45.2 36.6 55.0





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

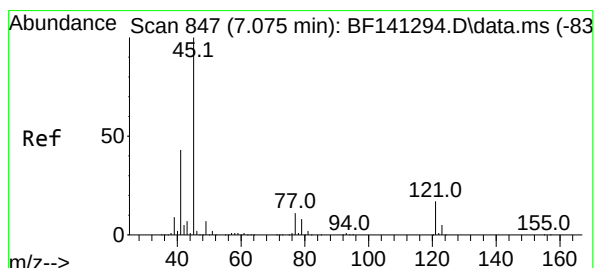
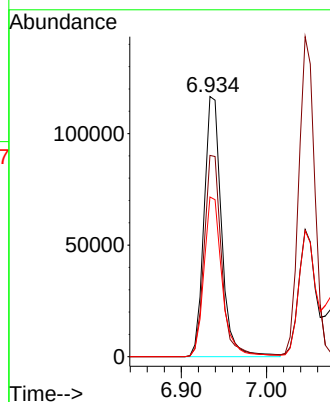
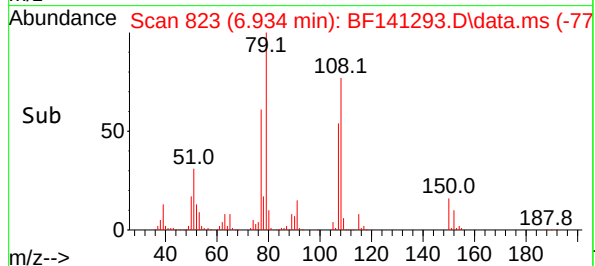
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

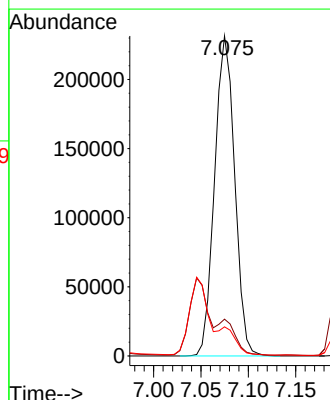
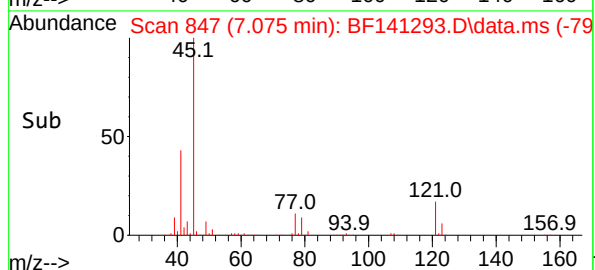
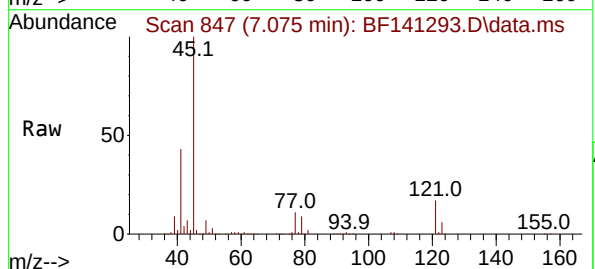
Manual Integrations
APPROVED

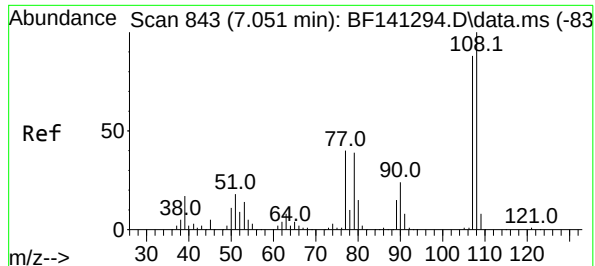
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

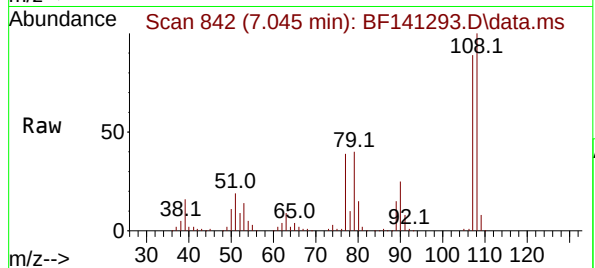
Tgt Ion: 45 Resp: 340590
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.8
79 9.1 0.0 29.1





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

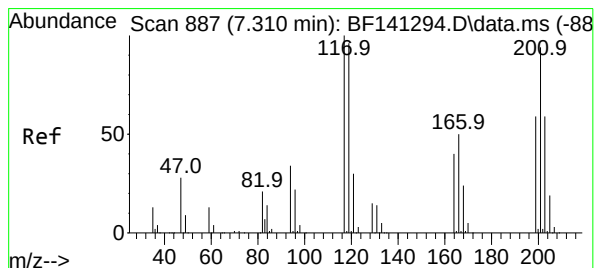
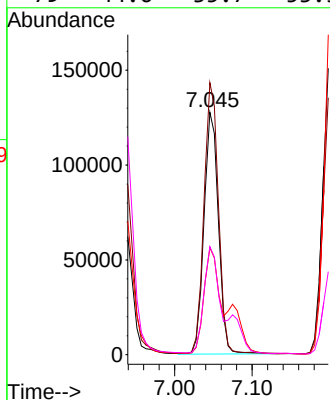
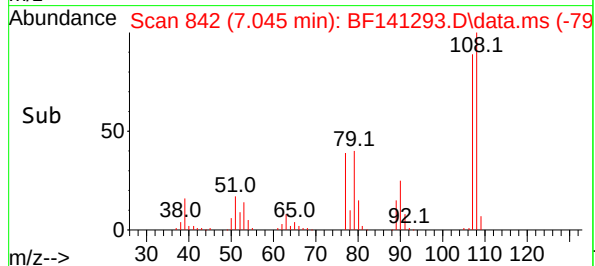
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

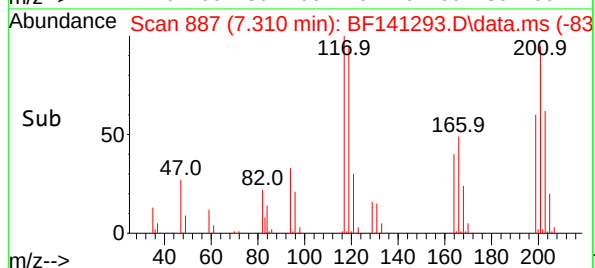
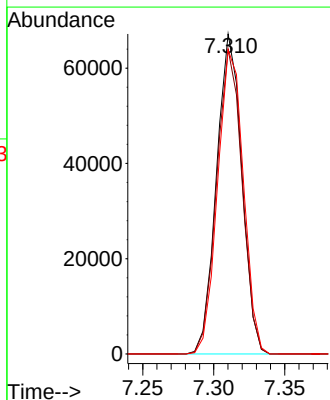
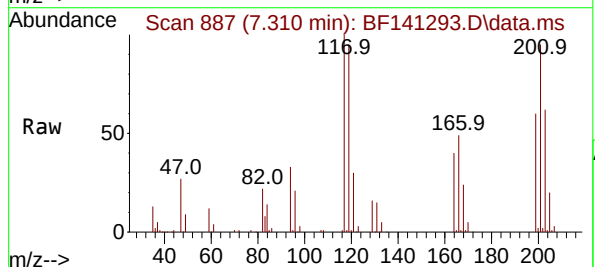
Manual Integrations
APPROVED

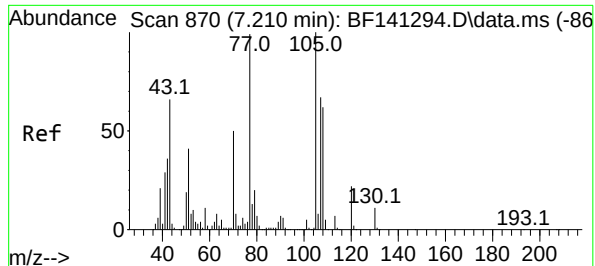
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#19

n-Nitroso-di-n-propylamine

Concen: 21.058 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 140874

Ion Ratio Lower Upper

70 100

42 69.9 56.8 85.2

101 10.1 7.7 11.5

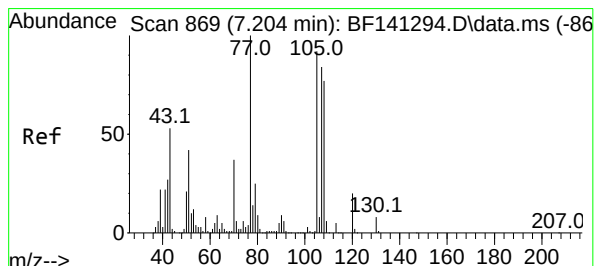
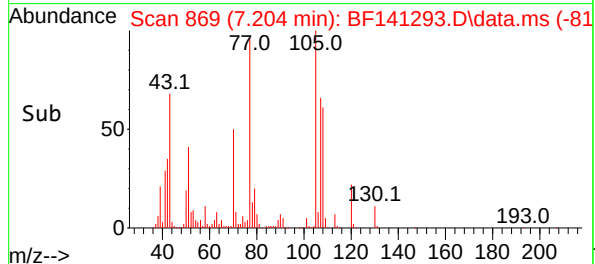
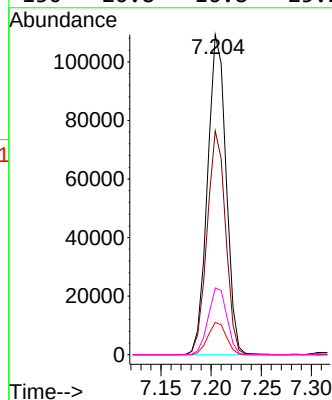
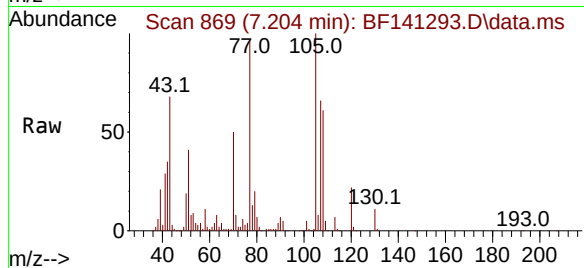
130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 21.734 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

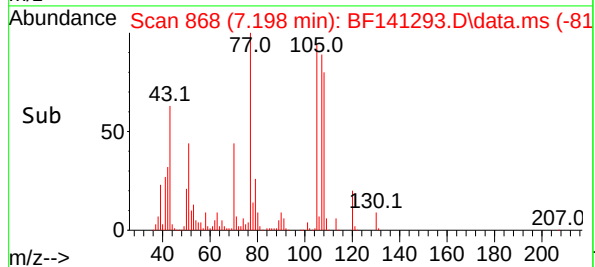
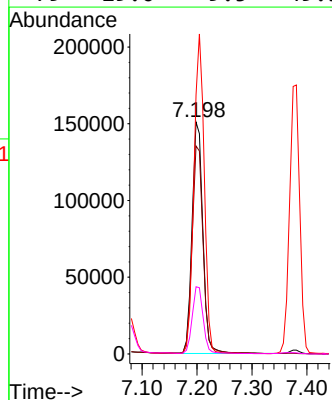
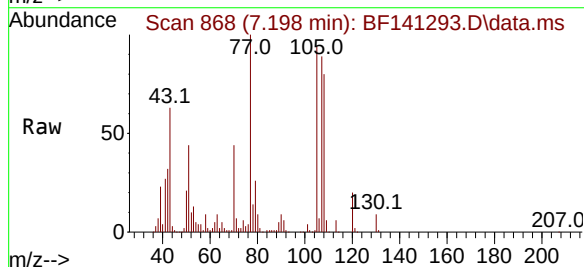
Ion Ratio Lower Upper

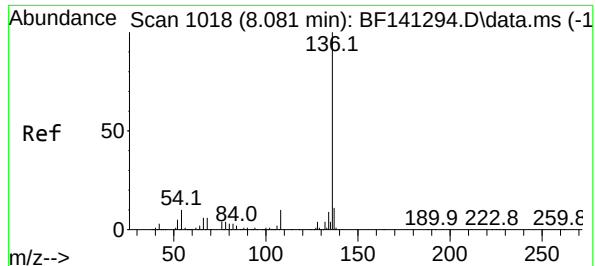
107 100

108 89.7 70.9 110.9

77 111.7 98.5 138.5

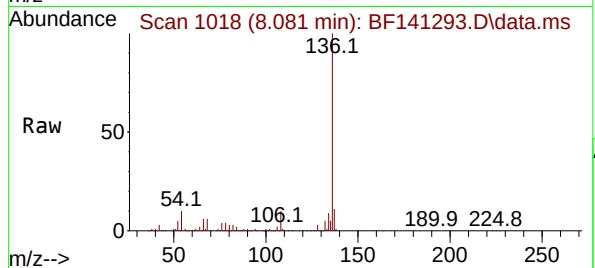
79 29.0 9.5 49.5





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

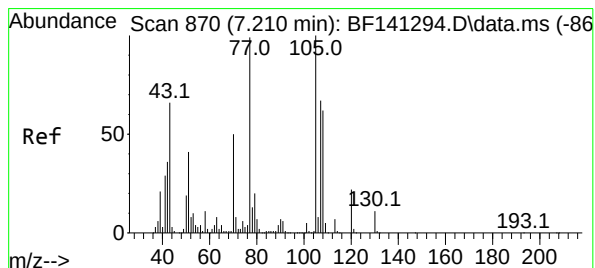
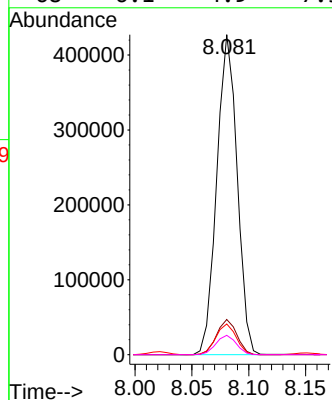
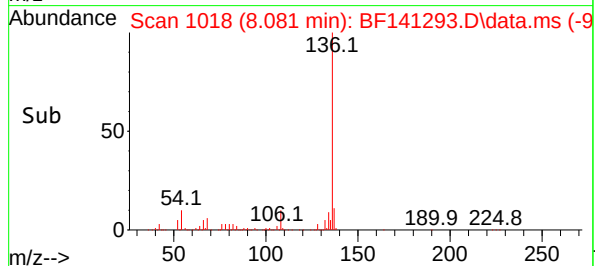
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

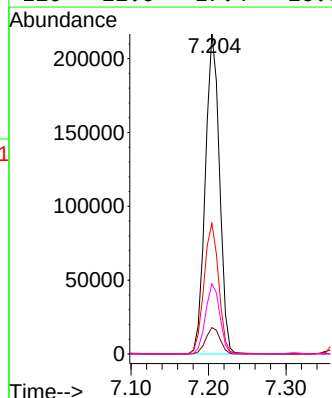
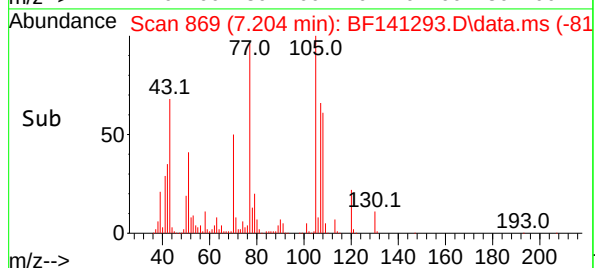
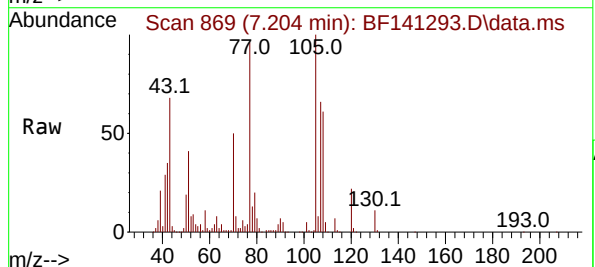
Manual Integrations
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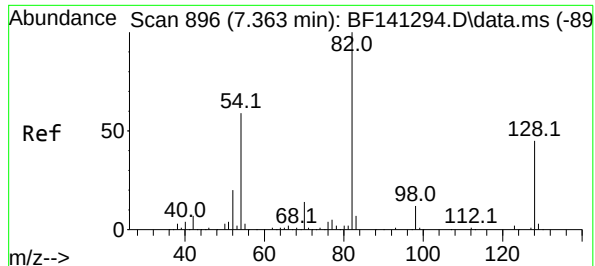
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#23

Nitrobenzene-d5

Concen: 42.912 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 432160

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

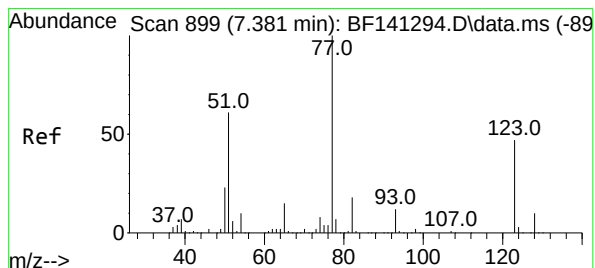
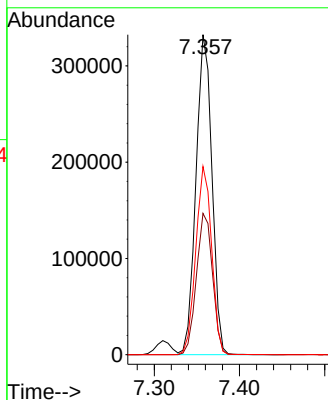
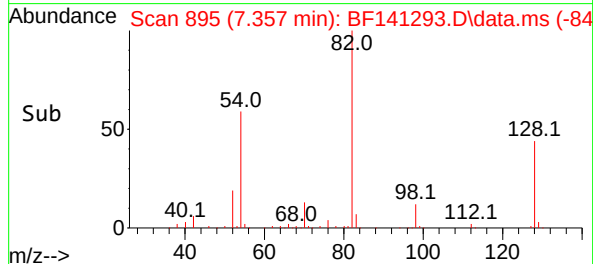
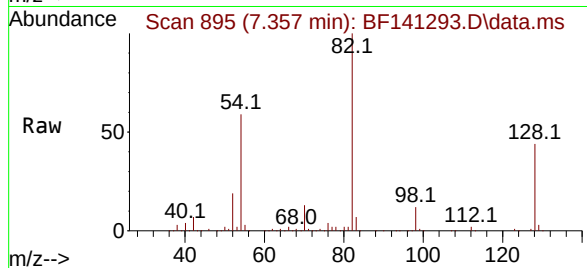
54 58.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 21.451 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

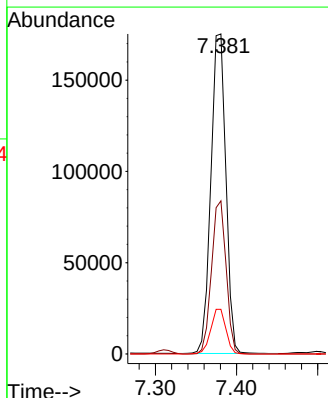
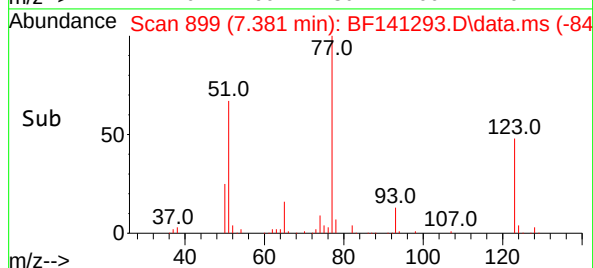
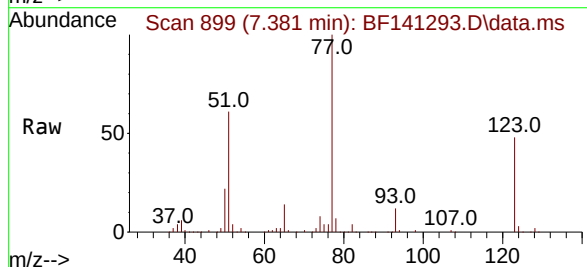
Tgt Ion: 77 Resp: 224061

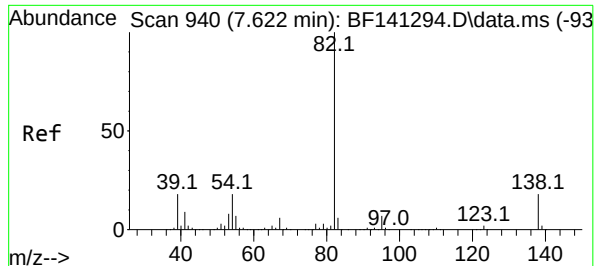
Ion Ratio Lower Upper

77 100

123 47.8 37.3 55.9

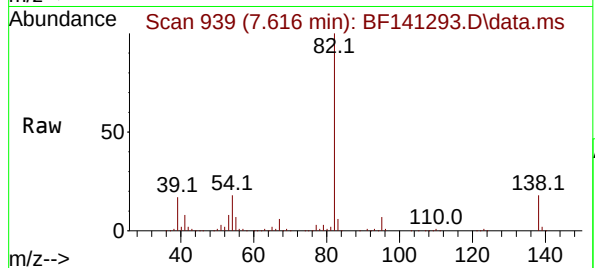
65 13.9 11.8 17.6





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

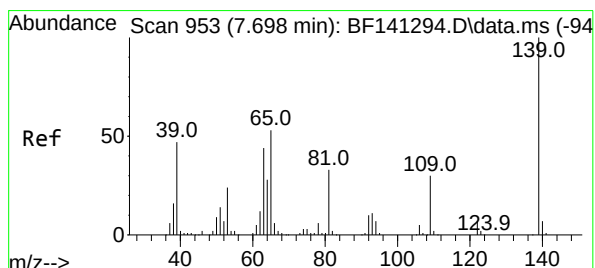
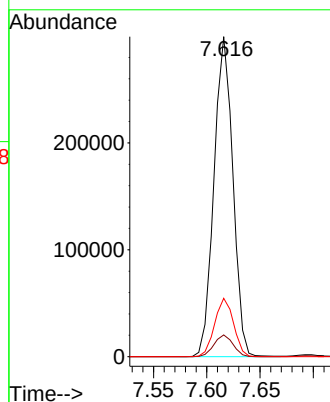
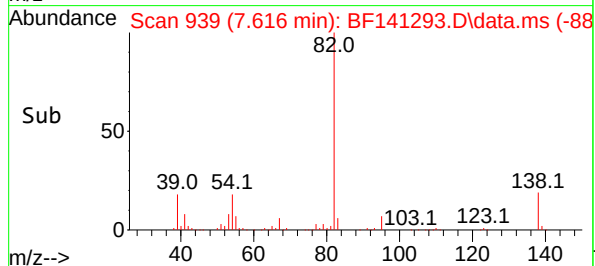
Instrument :
BNA_F
Client Sample Id :
SSTDICC020



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

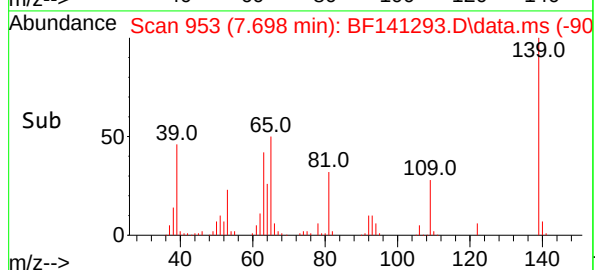
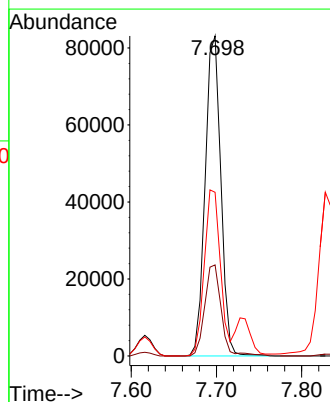
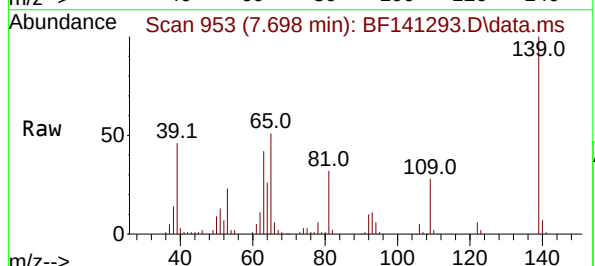
Manual Integrations
APPROVED

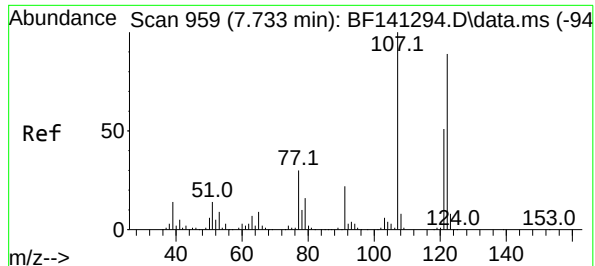
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

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





#27

2,4-Dimethylphenol

Concen: 21.233 ng m

RT: 7.734 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141293.D

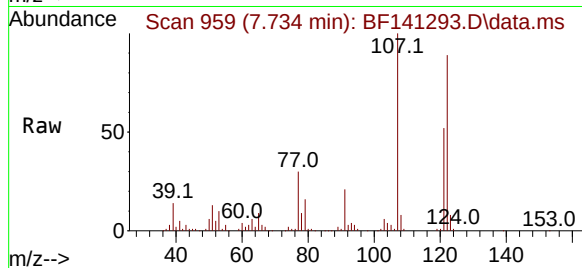
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

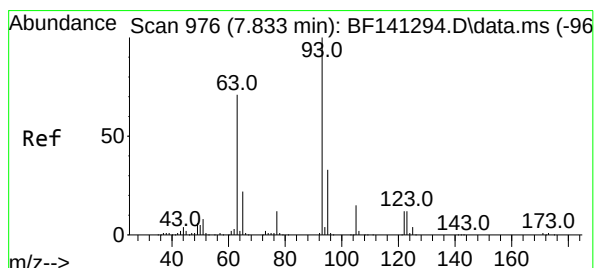
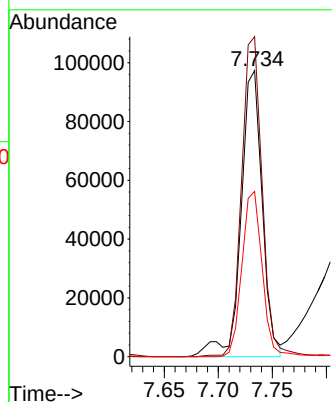
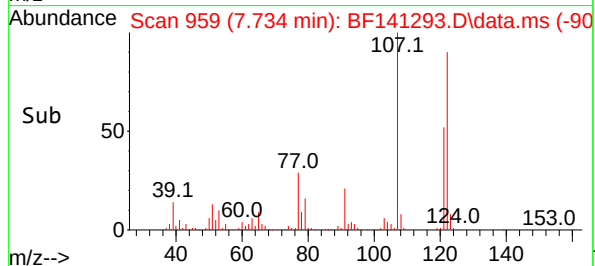


Tgt Ion:	122	Resp:	132748
Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.1	69.1

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

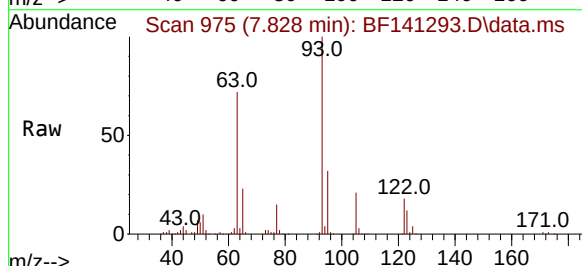
Concen: 21.403 ng

RT: 7.828 min Scan# 975

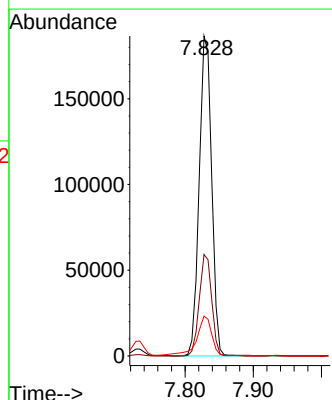
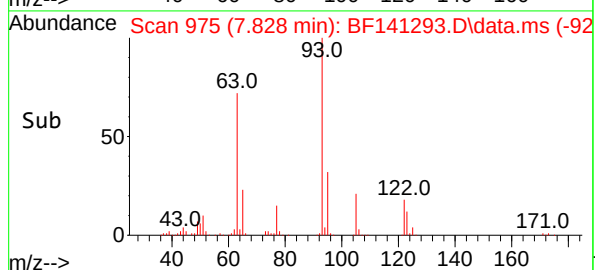
Delta R.T. -0.006 min

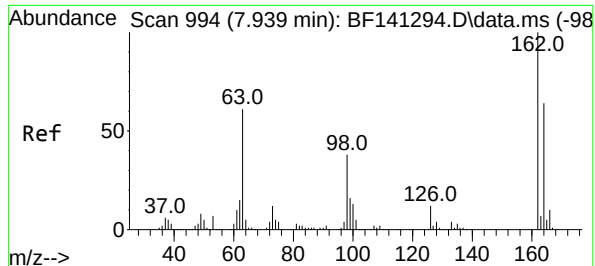
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



Tgt Ion:	93	Resp:	237369
Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.5	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 21.750 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 16615

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

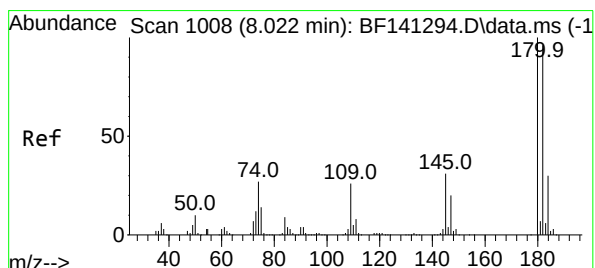
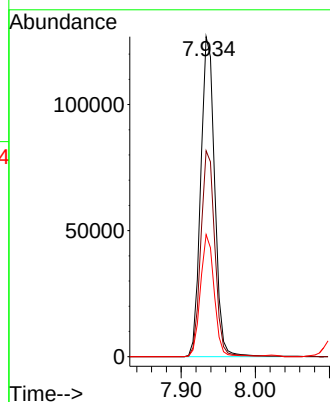
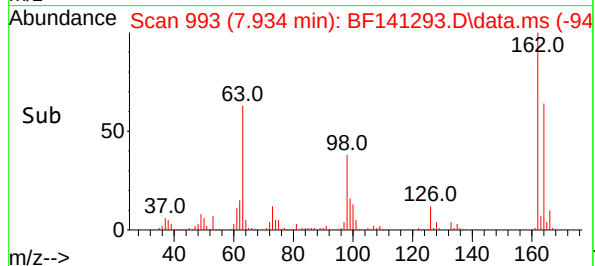
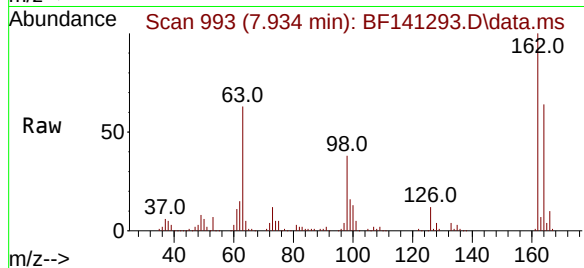
98 38.1 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 21.511 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

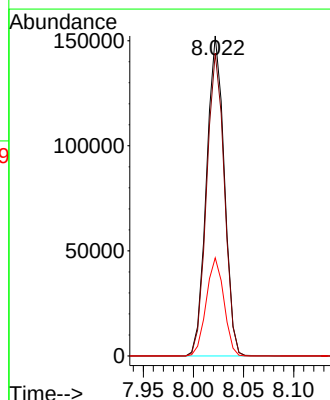
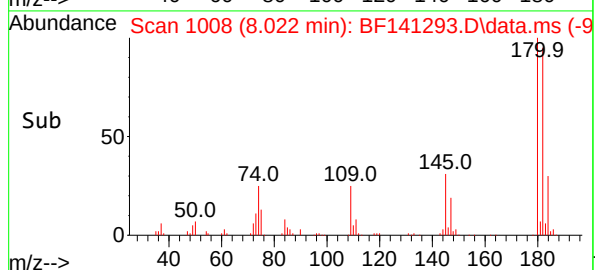
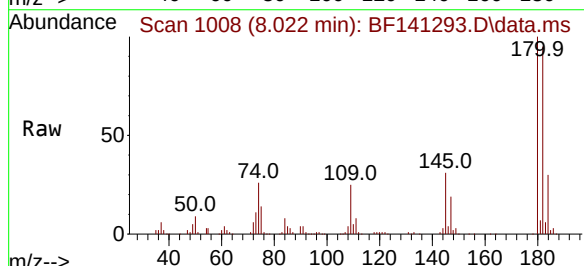
Tgt Ion:180 Resp: 188468

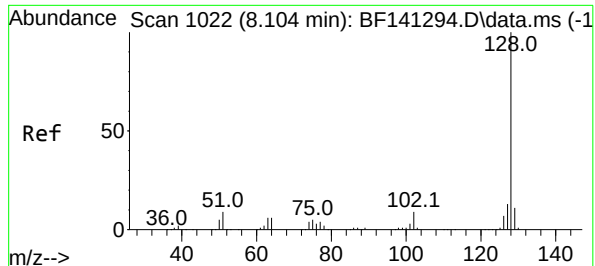
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

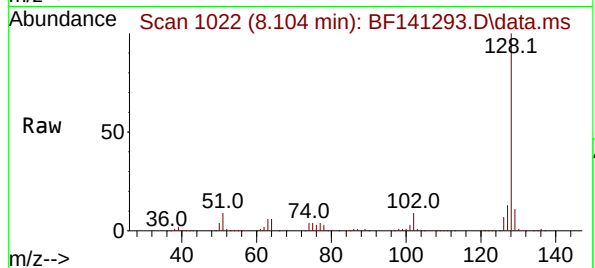
145 30.6 24.9 37.3





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

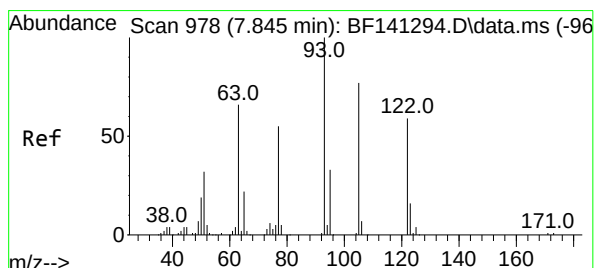
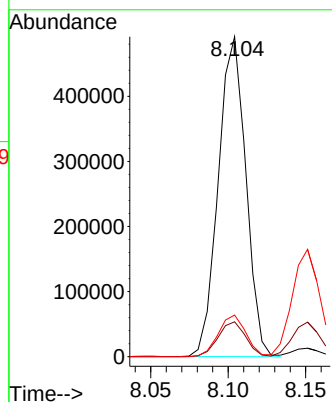
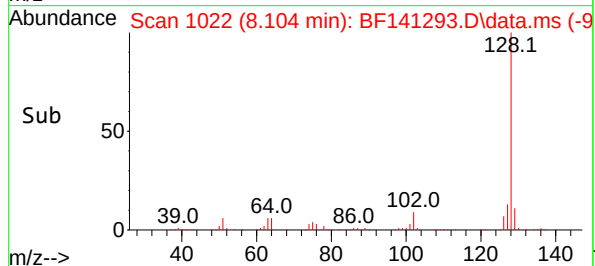
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

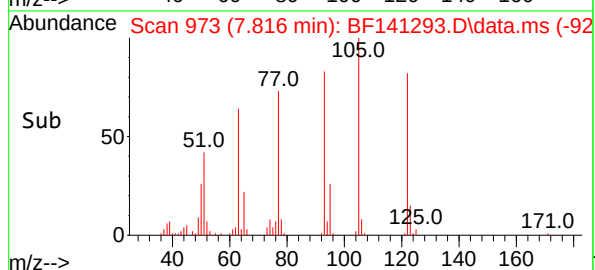
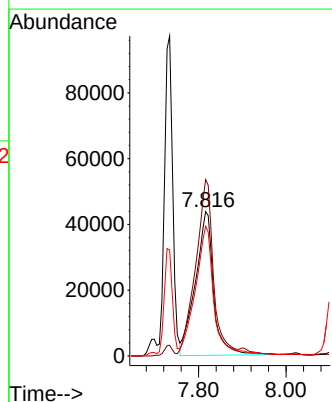
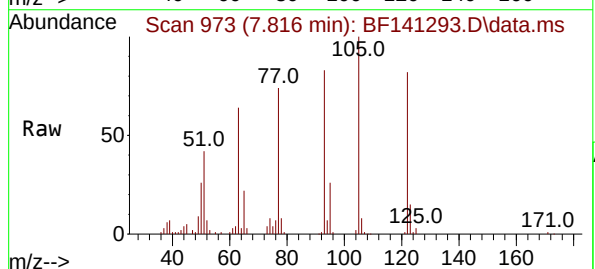
Manual Integrations
APPROVED

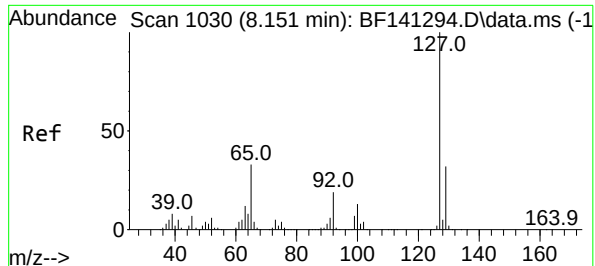
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



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

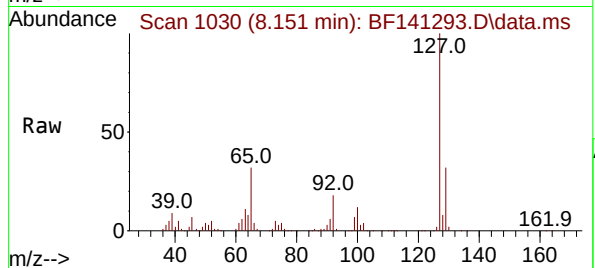
Tgt Ion:122 Resp: 126734
Ion Ratio Lower Upper
122 100
105 122.2 103.4 143.4
77 89.9 70.9 110.9





#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

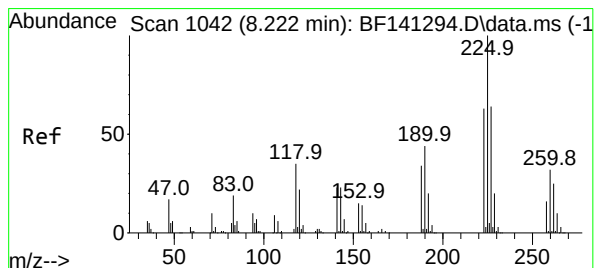
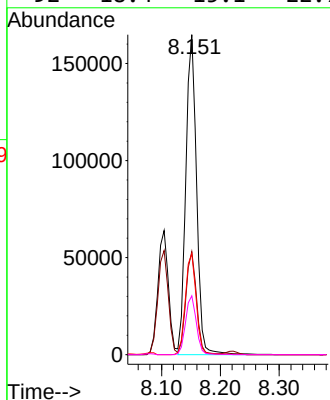
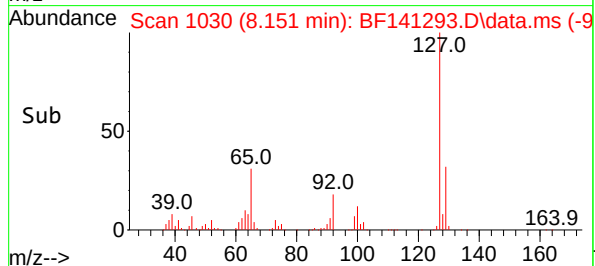
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 20853
Ion Ratio Lower Upper
127 100
129 32.2 25.7 38.5
65 31.6 26.4 39.6
92 18.4 15.1 22.7

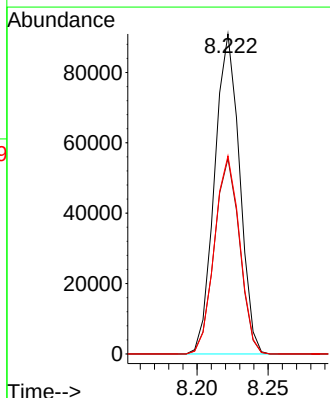
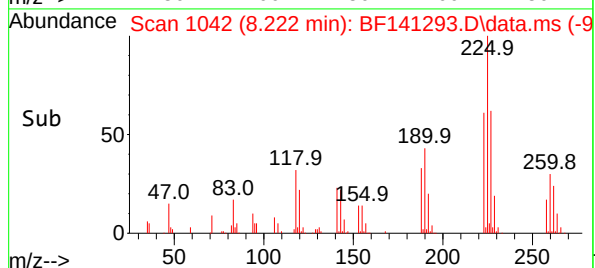
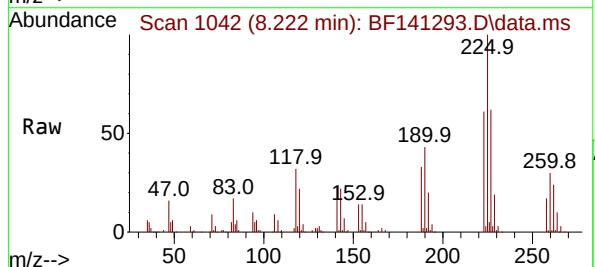
Manual Integrations
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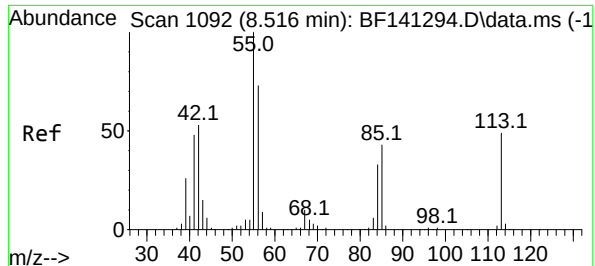
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

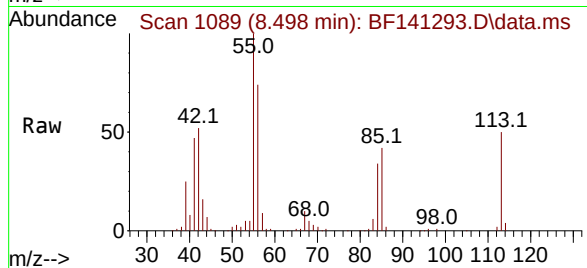
Tgt Ion:225 Resp: 111274
Ion Ratio Lower Upper
225 100
223 61.0 50.4 75.6
227 61.9 51.3 76.9





#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1092
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

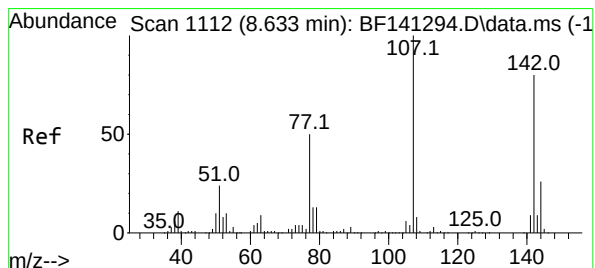
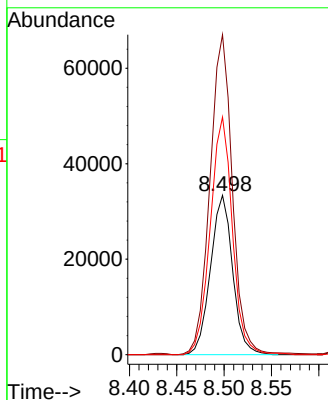
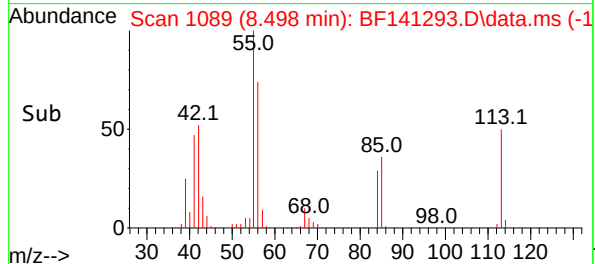
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 54280
Ion Ratio Lower Upper
113 100
55 200.9 182.9 222.9
56 149.2 127.9 167.9

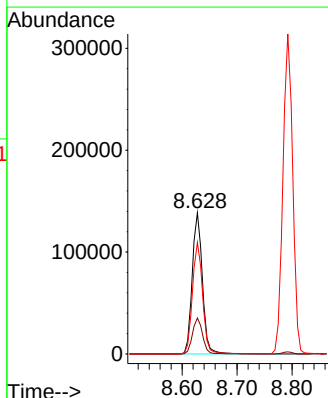
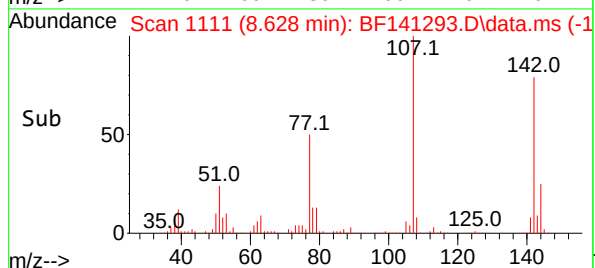
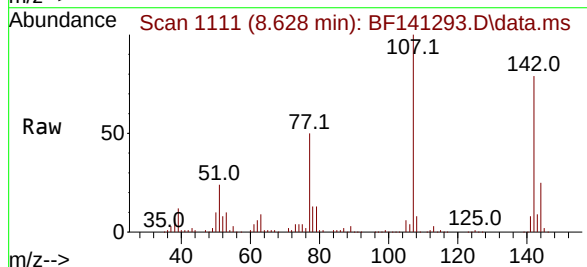
Manual Integrations
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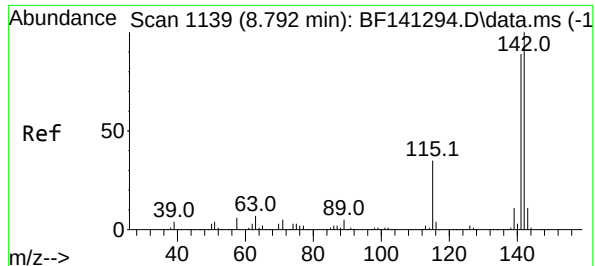
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.0 63.8 95.8





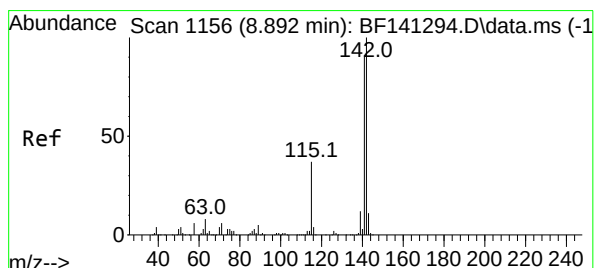
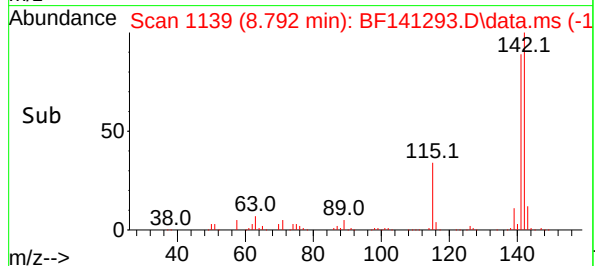
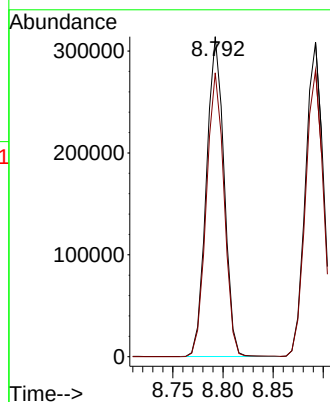
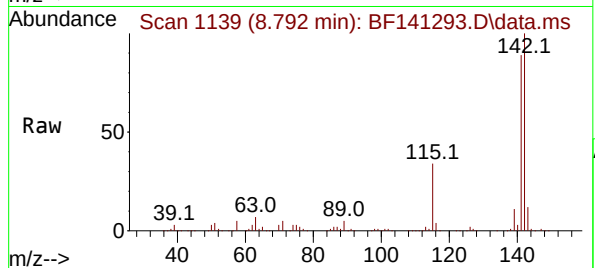
#37
2-Methylnaphthalene
Concen: 21.630 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 386035
Ion Ratio Lower Upper
142 100
141 88.7 71.3 106.9

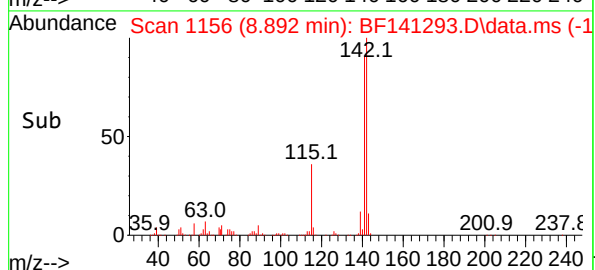
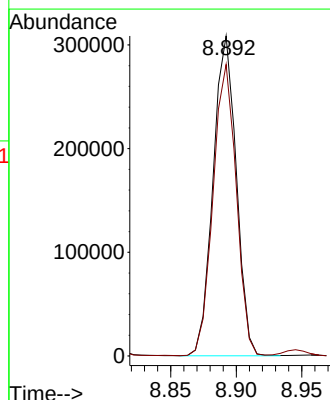
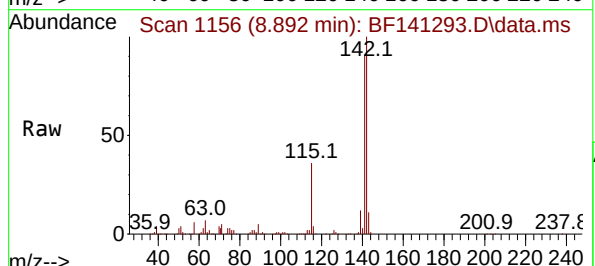
Manual Integrations
APPROVED

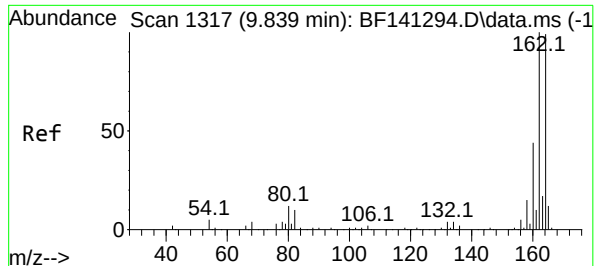
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 378878
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

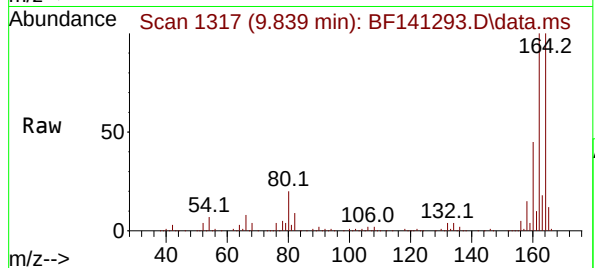
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 293084

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

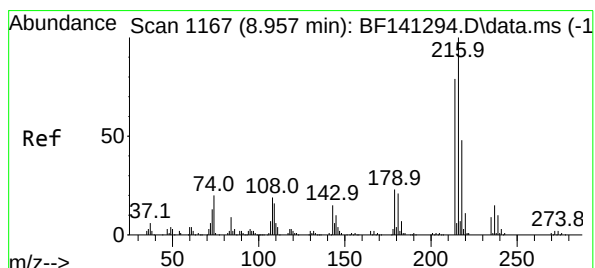
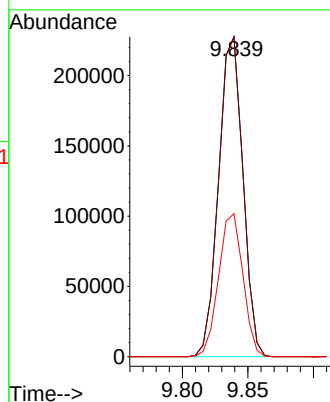
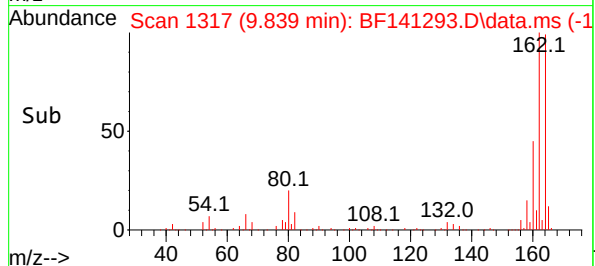
160 44.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 21.209 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

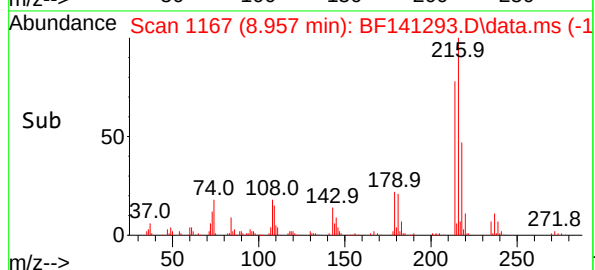
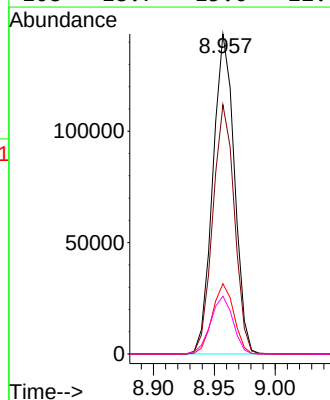
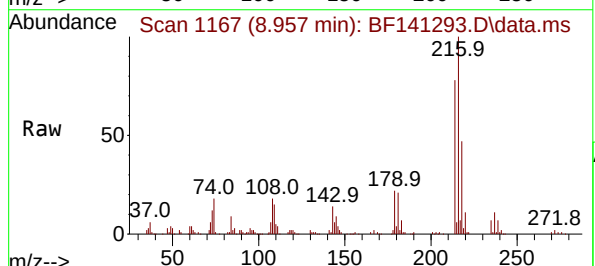
Ion Ratio Lower Upper

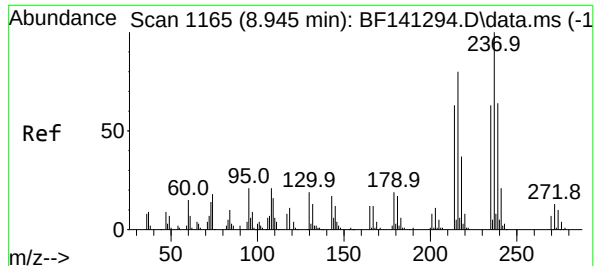
216 100

214 77.9 63.2 94.8

179 21.9 17.8 26.8

108 18.7 15.0 22.6





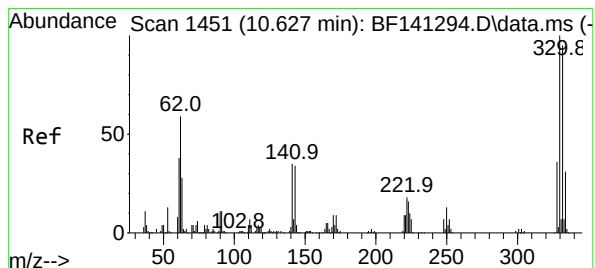
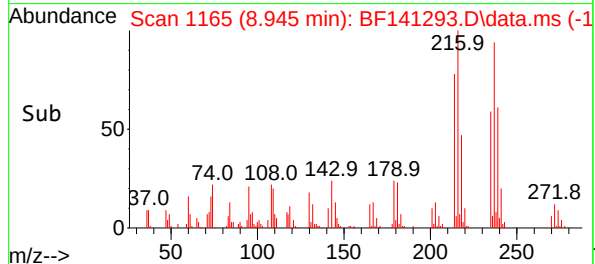
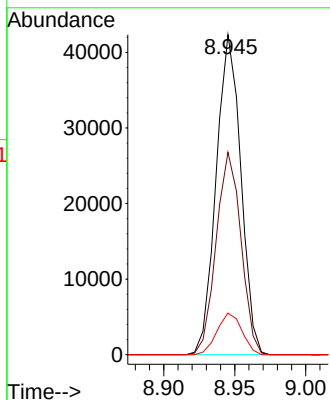
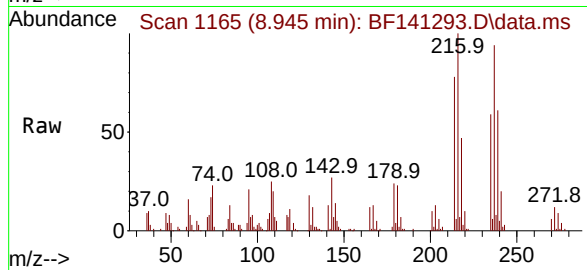
#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 5111
Ion Ratio Lower Upper
237 100
235 63.3 42.9 82.9
272 13.0 0.0 32.8

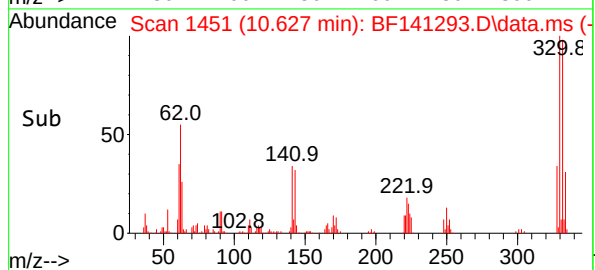
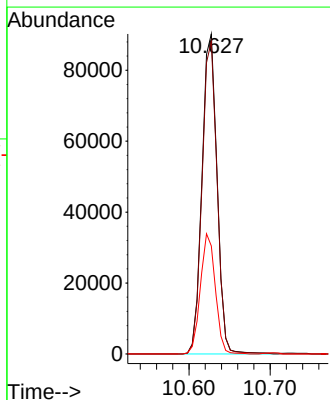
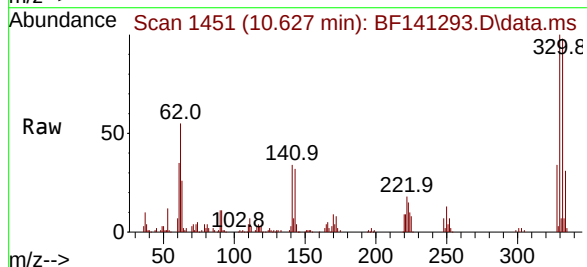
Manual Integrations
APPROVED

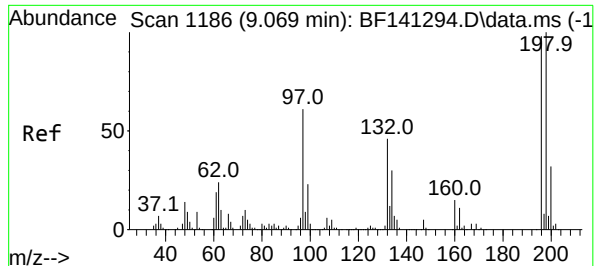
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 37.2 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 21.029 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141293.D

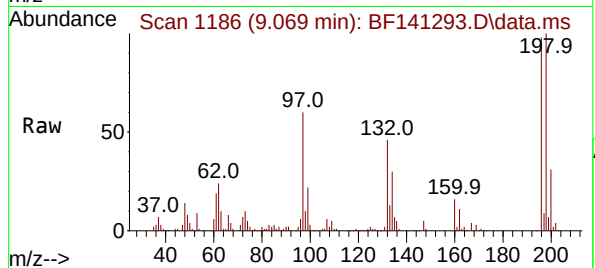
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 114390

Ion Ratio Lower Upper

196 100

198 102.3 81.8 122.6

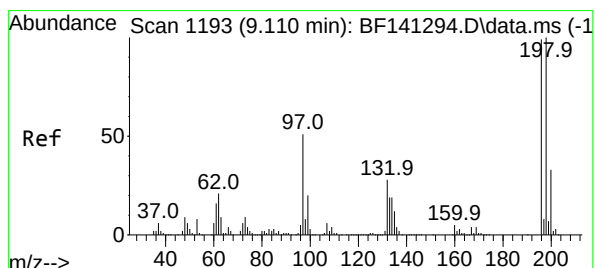
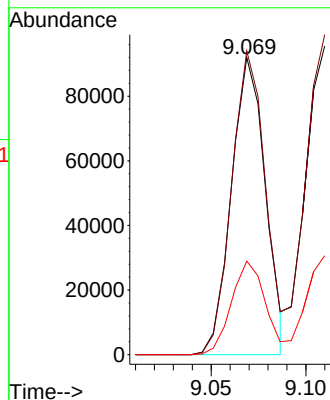
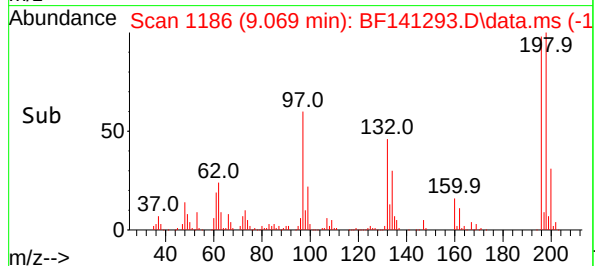
200 31.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

Concen: 21.245 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 125725

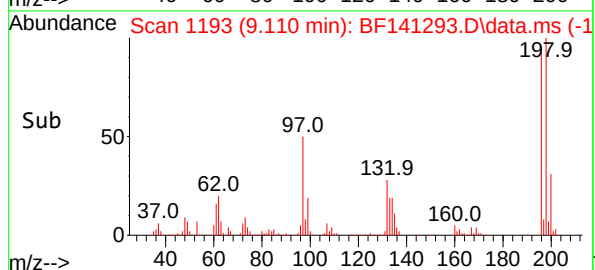
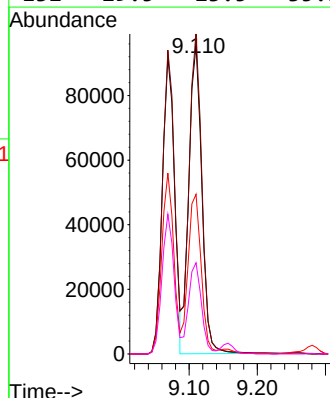
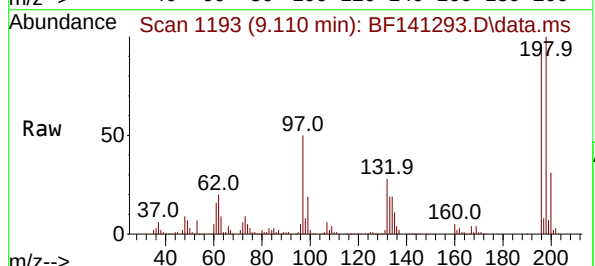
Ion Ratio Lower Upper

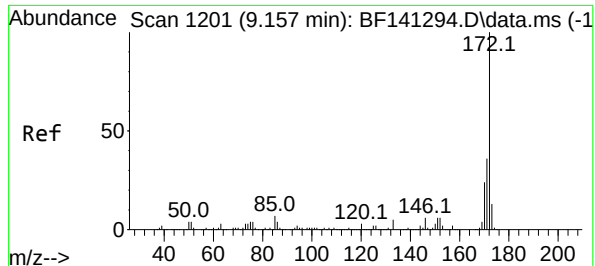
196 100

198 103.7 80.5 120.7

97 51.8 42.8 64.2

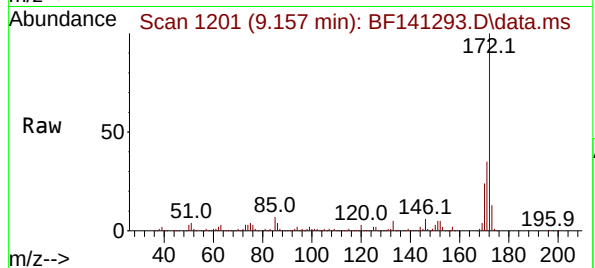
132 29.5 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 43.127 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

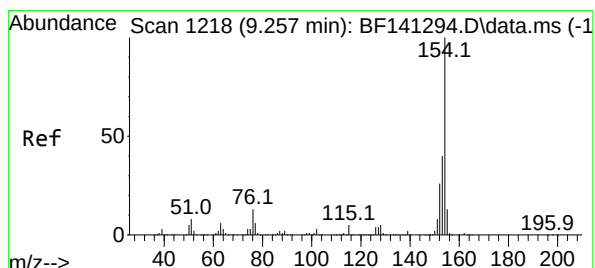
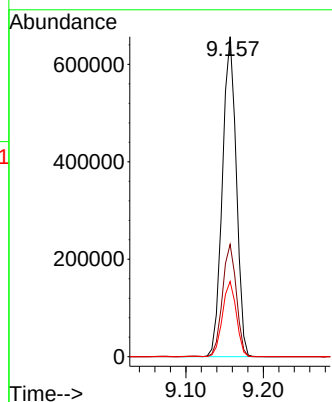
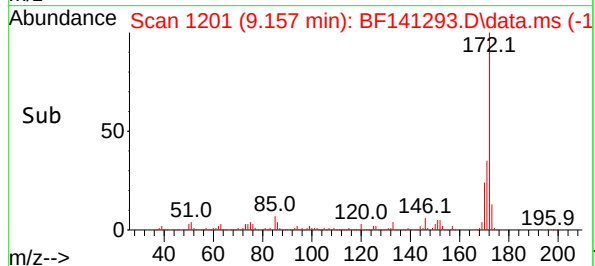
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:172 Resp: 81937
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.0 28.6

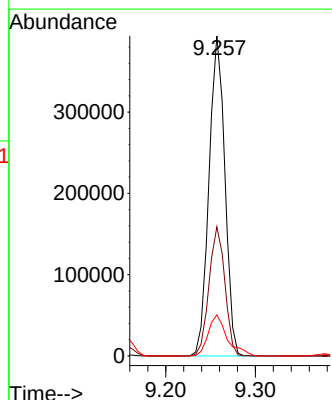
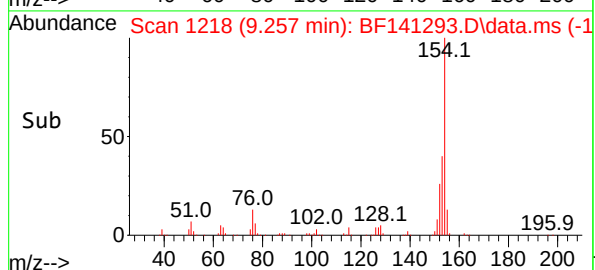
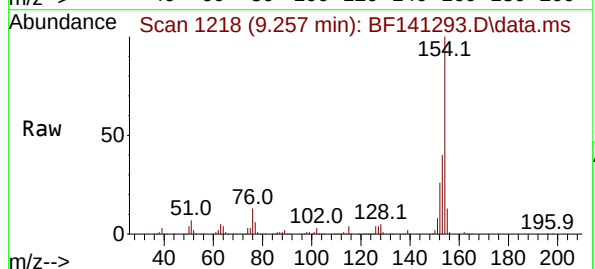
Manual Integrations
APPROVED

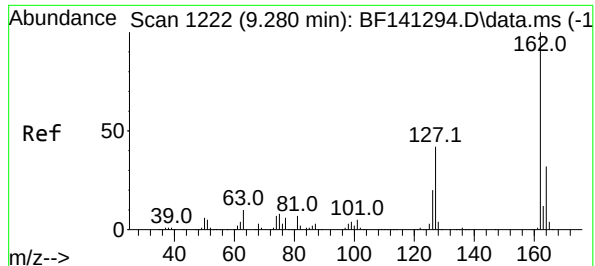
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 483479
Ion Ratio Lower Upper
154 100
153 40.4 20.0 60.0
76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 21.282 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141293.D

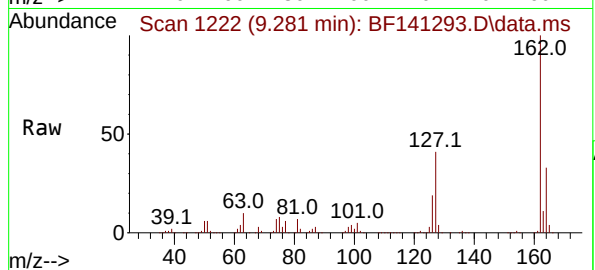
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 377940

Ion Ratio Lower Upper

162 100

127 40.8 33.7 50.5

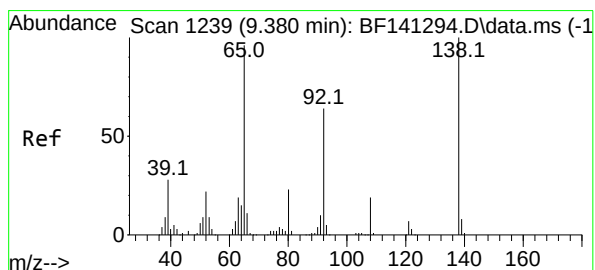
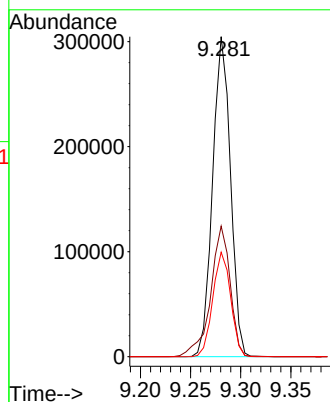
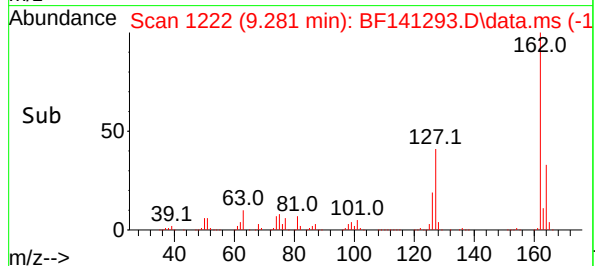
164 32.7 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 21.310 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

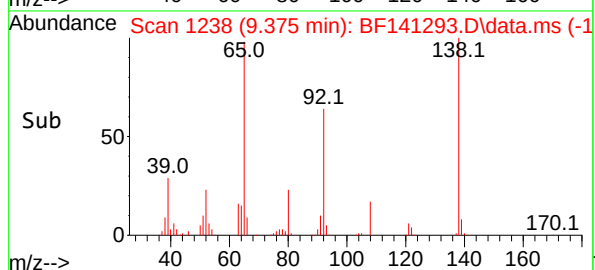
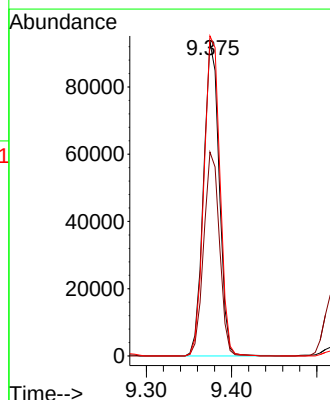
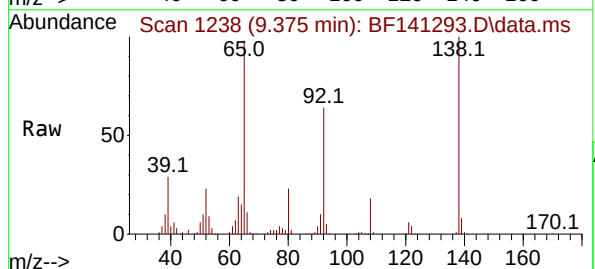
Tgt Ion: 65 Resp: 119359

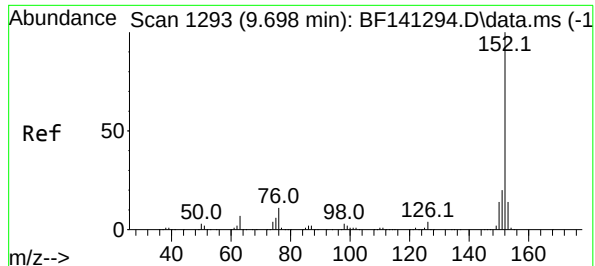
Ion Ratio Lower Upper

65 100

92 64.9 53.3 79.9

138 102.0 83.6 125.4





#49

Acenaphthylene

Concen: 21.328 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141293.D

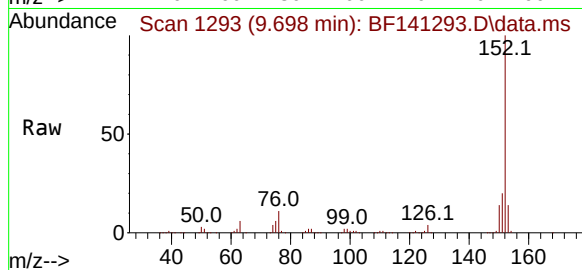
Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

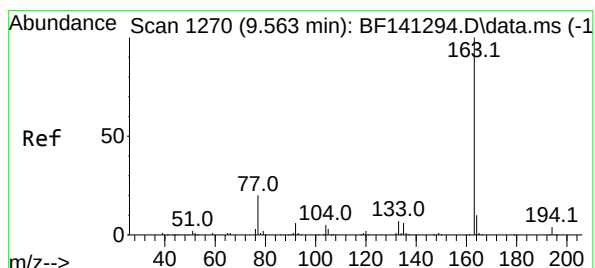
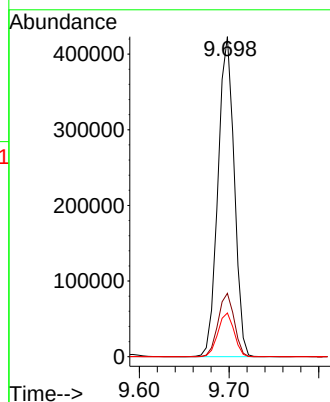
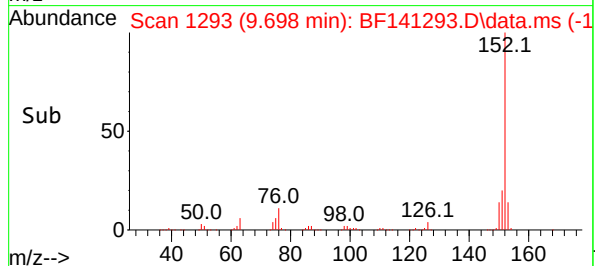


Tgt Ion:	152	Resp:	53195
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.2
153	13.7	11.0	16.6

Manual Integrations

APPROVED

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



#50

Dimethylphthalate

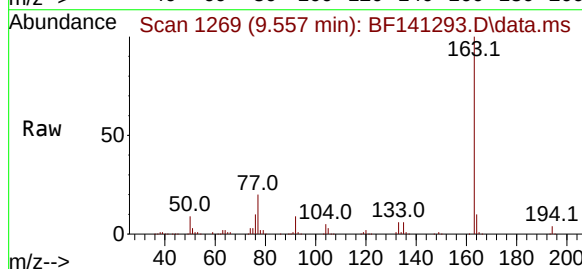
Concen: 21.542 ng

RT: 9.557 min Scan# 1269

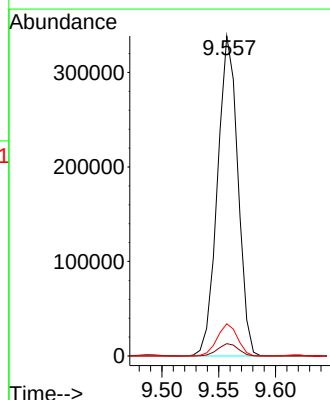
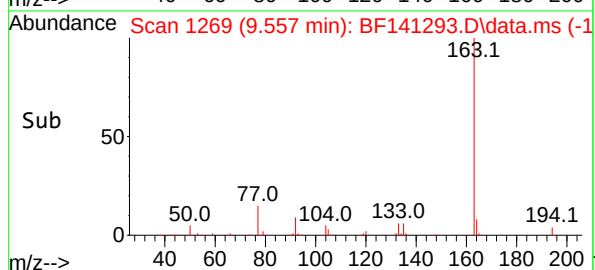
Delta R.T. -0.006 min

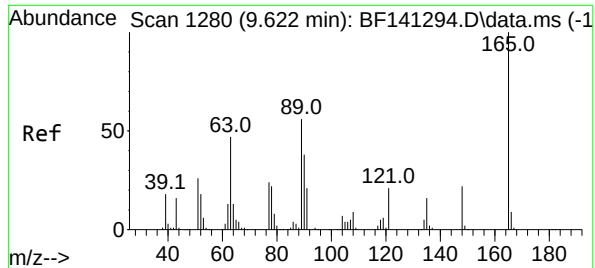
Lab File: BF141293.D

Acq: 29 Jan 2025 15:17



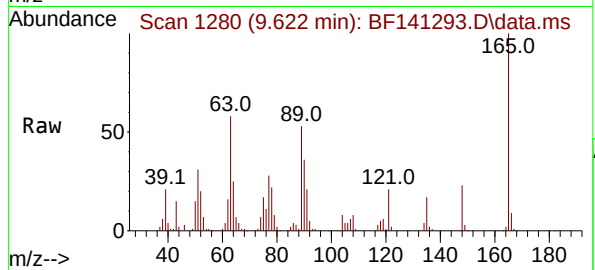
Tgt Ion:	163	Resp:	423377
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

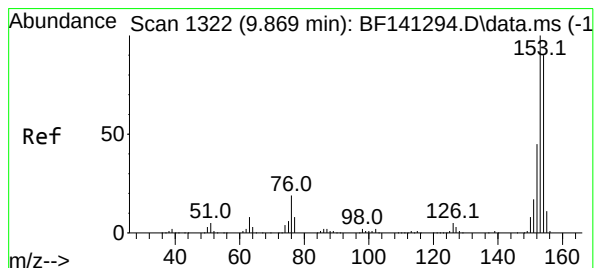
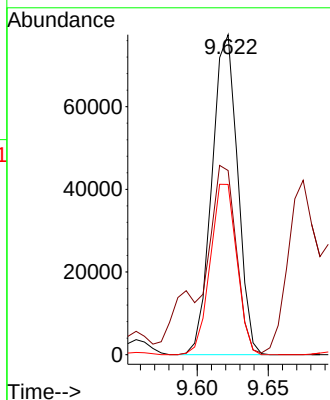
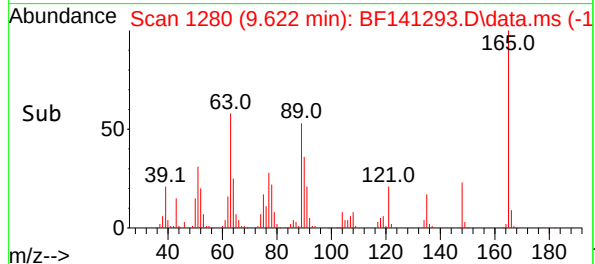
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



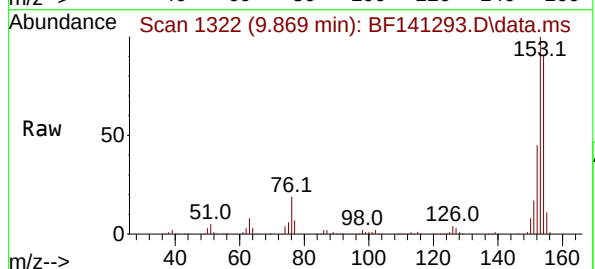
Tgt Ion:165 Resp: 9762
Ion Ratio Lower Upper
165 100
63 57.6 48.1 72.1
89 53.2 44.9 67.3

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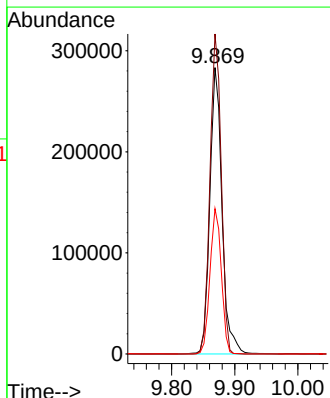
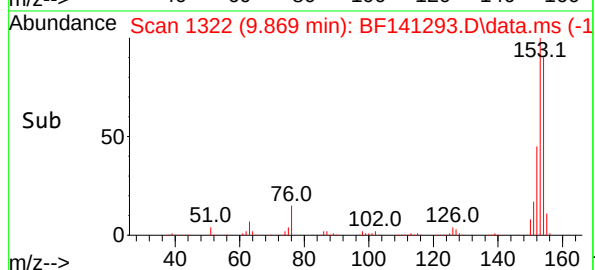
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

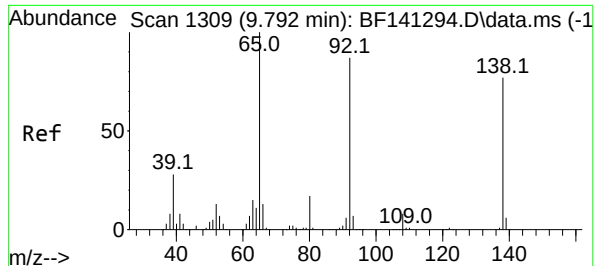


#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



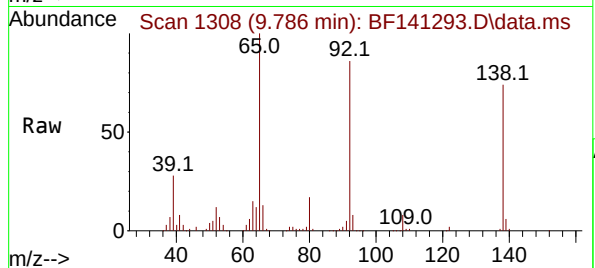
Tgt Ion:154 Resp: 378511
Ion Ratio Lower Upper
154 100
153 111.7 89.0 133.4
152 50.7 40.2 60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

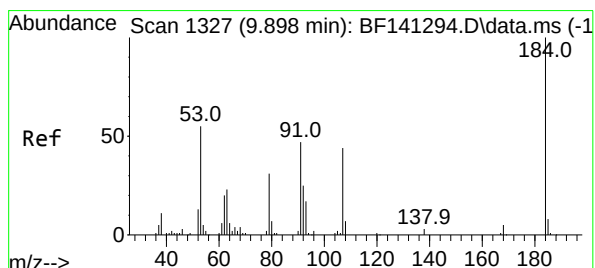
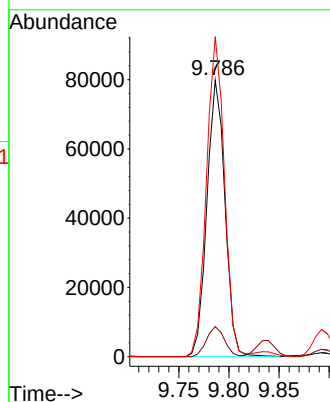
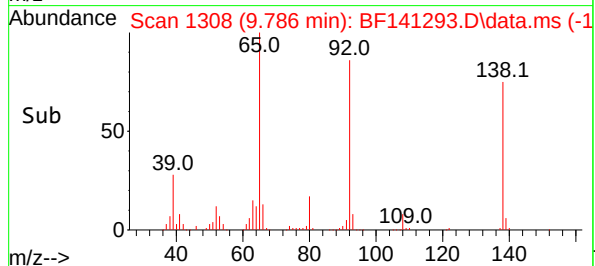
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:138 Resp: 10008
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 115.8 91.0 136.6

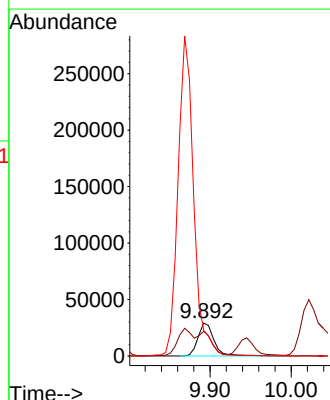
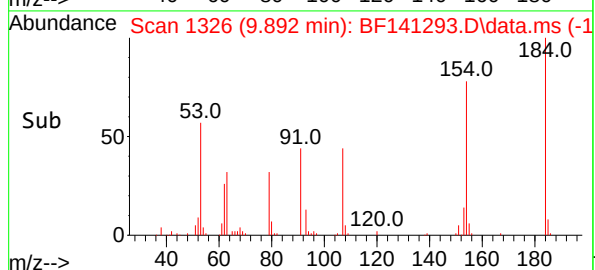
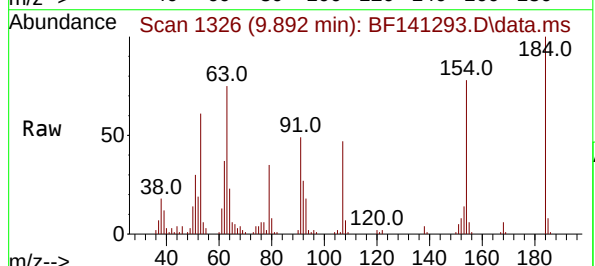
Manual Integrations
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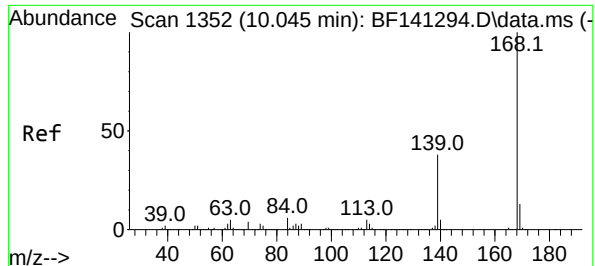
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003
Ion Ratio Lower Upper
184 100
63 75.1 54.1 81.1
154 78.0 50.7 76.1#





#55

Dibenzenofuran

Concen: 21.665 ng

RT: 10.039 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 51422

Ion Ratio Lower Upper

168 100

139 38.7 30.6 46.0

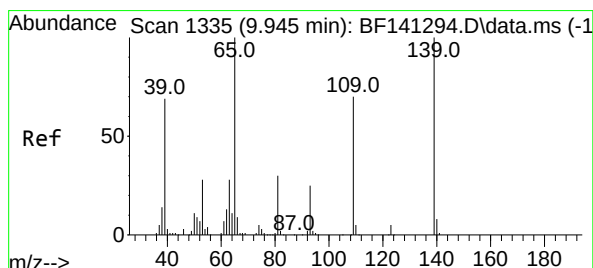
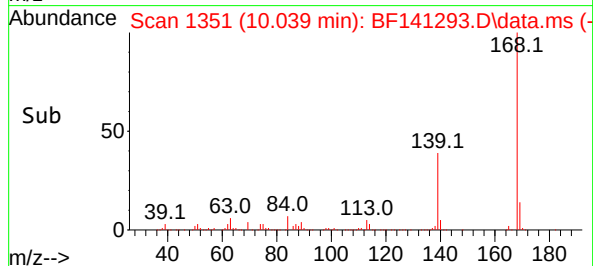
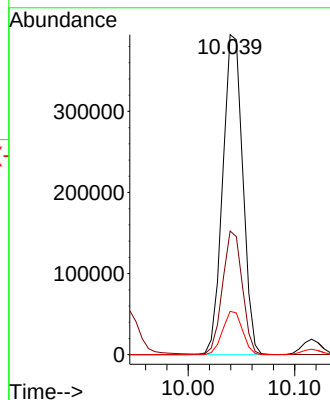
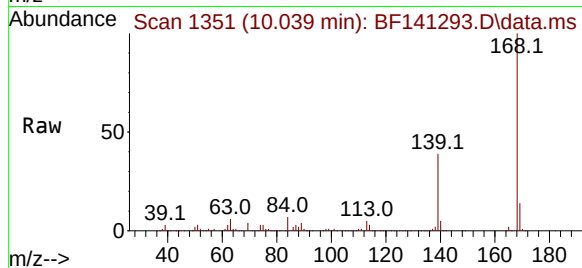
169 13.5 10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 22.607 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

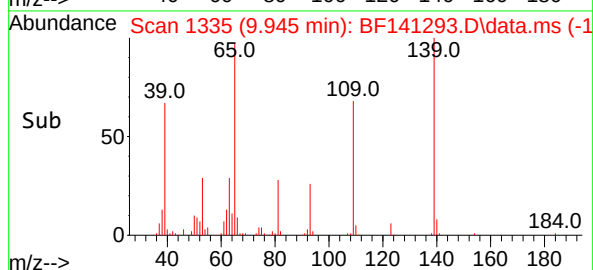
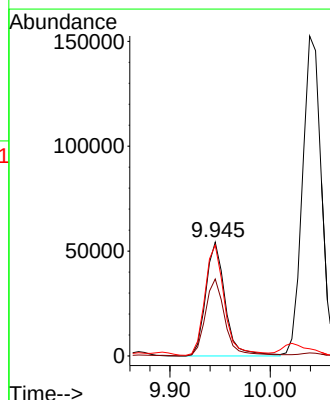
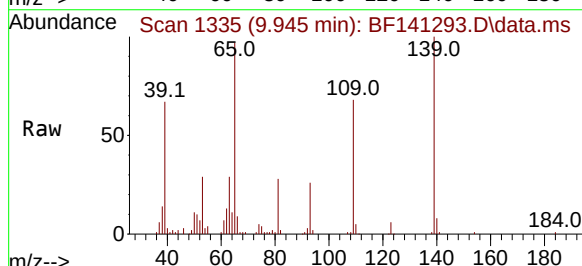
Tgt Ion:139 Resp: 73425

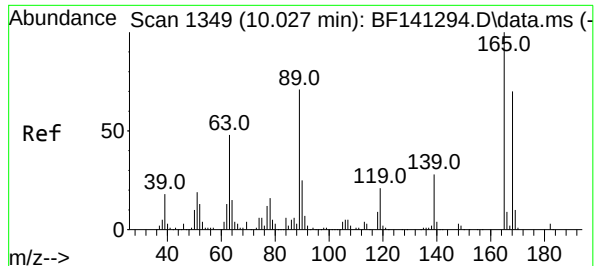
Ion Ratio Lower Upper

139 100

109 67.7 50.2 90.2

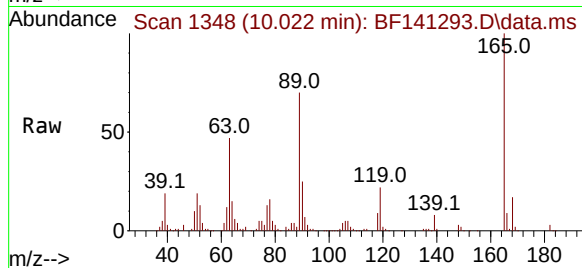
65 97.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

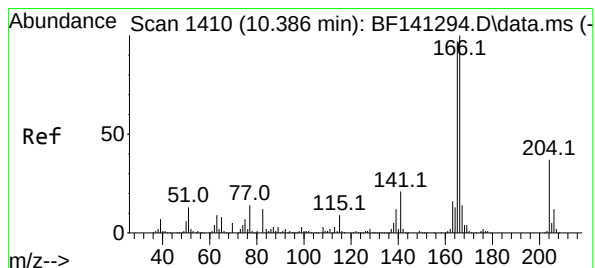
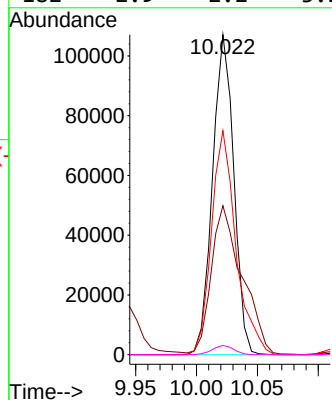
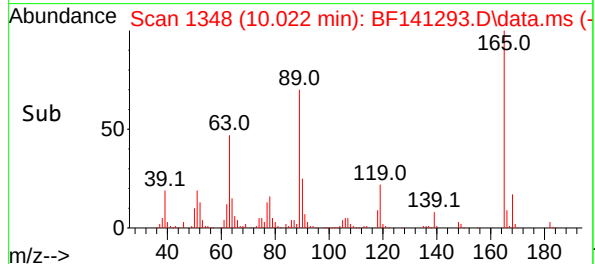
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 12994
Ion Ratio Lower Upper
165 100
63 46.6 39.2 58.8
89 70.0 56.9 85.3
182 2.9 2.2 3.2

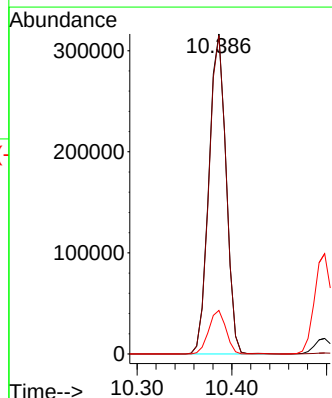
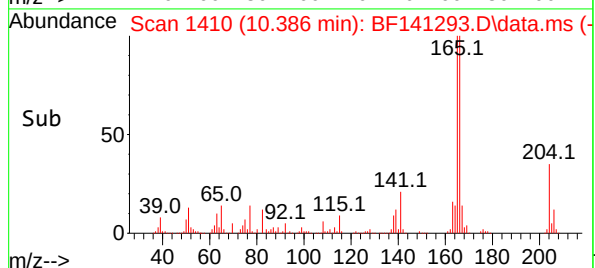
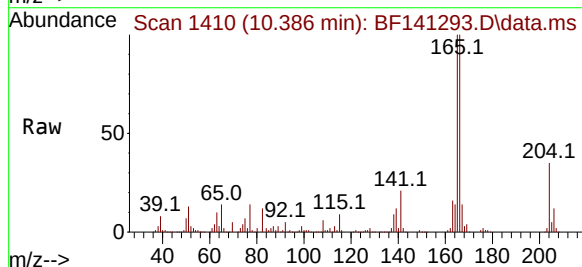
Manual Integrations
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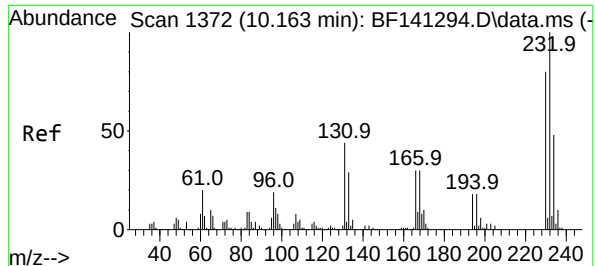
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

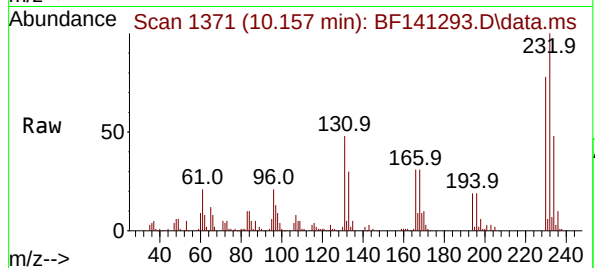
Tgt Ion:166 Resp: 396520
Ion Ratio Lower Upper
166 100
165 99.5 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

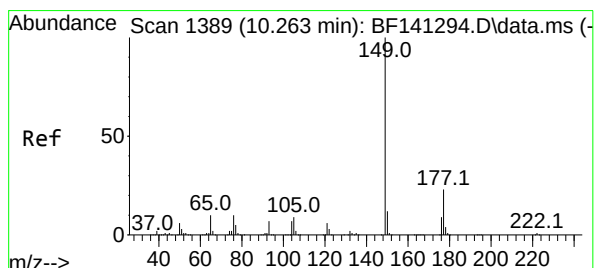
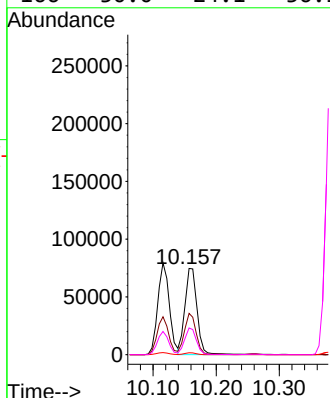
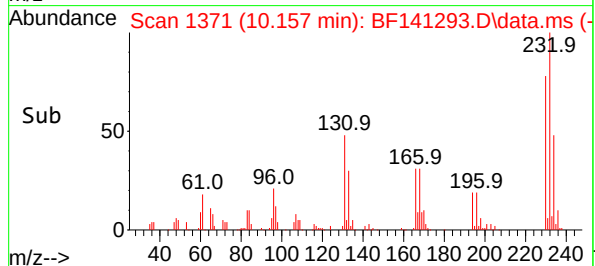
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 9984
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 30.0 24.1 36.1

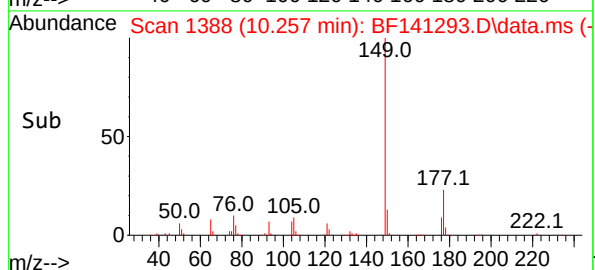
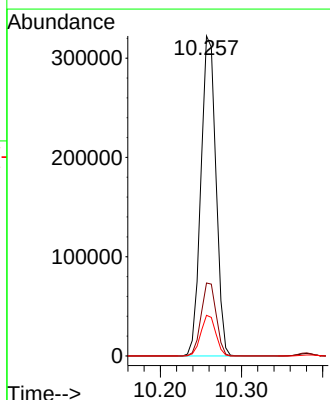
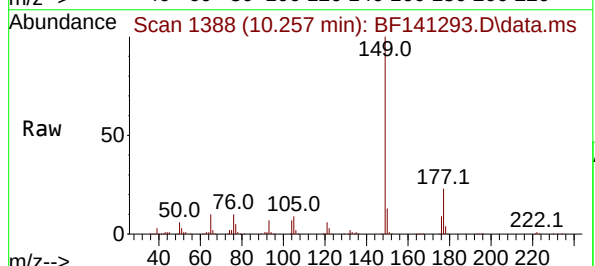
Manual Integrations
APPROVED

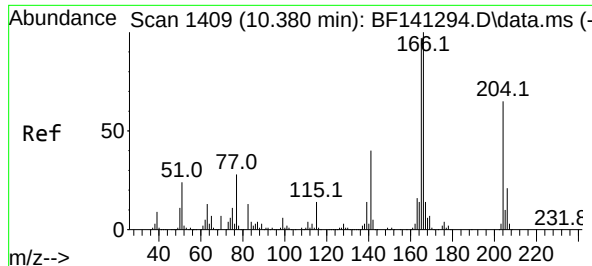
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

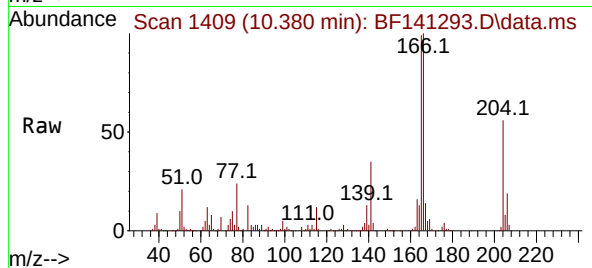
Tgt Ion:149 Resp: 413889
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

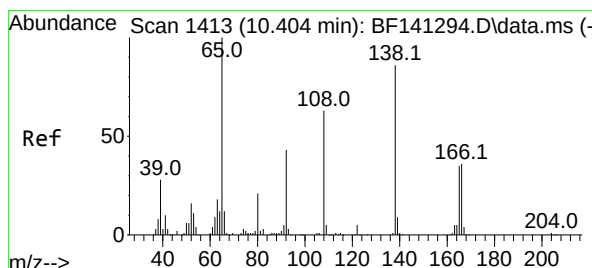
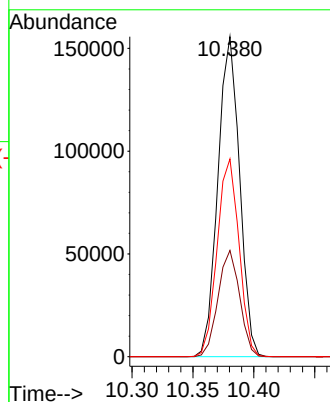
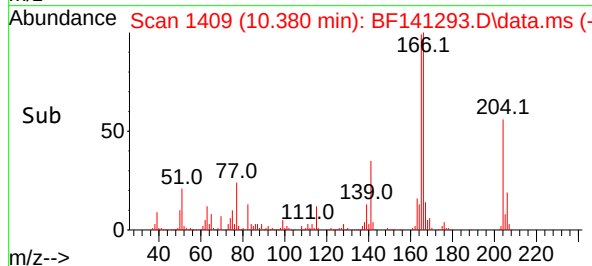
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 193134
Ion Ratio Lower Upper
204 100
206 33.2 25.9 38.9
141 61.8 49.5 74.3

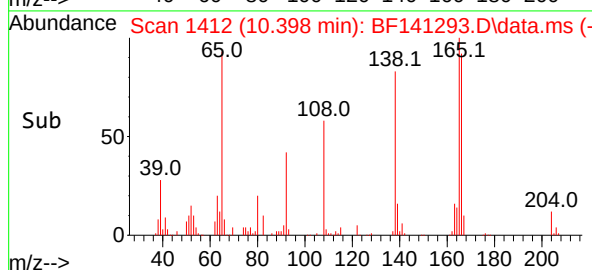
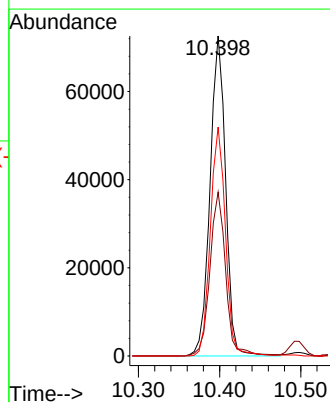
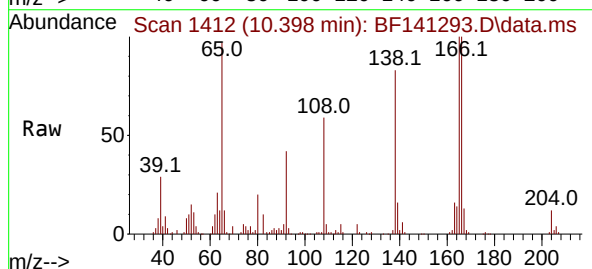
Manual Integrations
APPROVED

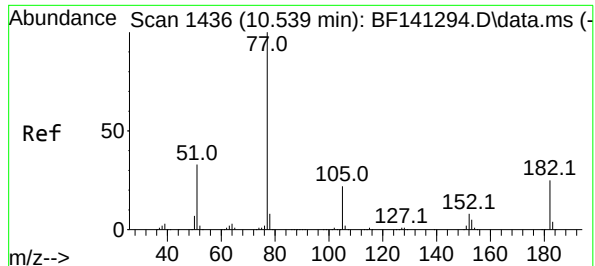
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

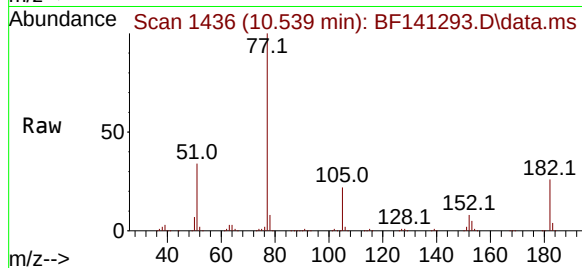
Tgt Ion:138 Resp: 96692
Ion Ratio Lower Upper
138 100
92 51.2 30.1 70.1
108 71.5 53.1 93.1





#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

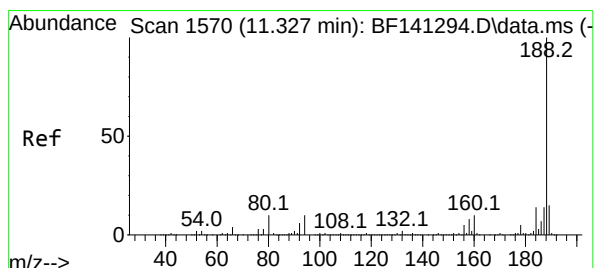
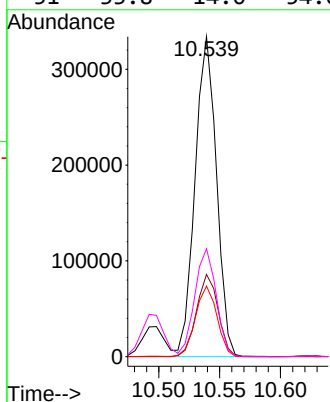
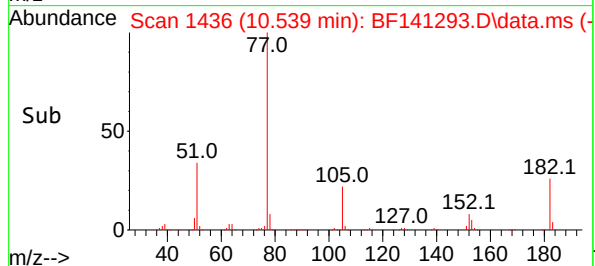
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 407492
Ion Ratio Lower Upper
77 100
182 25.7 5.1 45.1
105 22.1 1.8 41.8
51 33.8 14.0 54.0

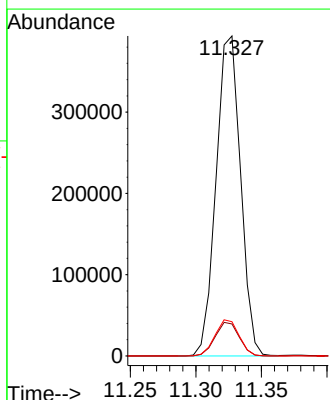
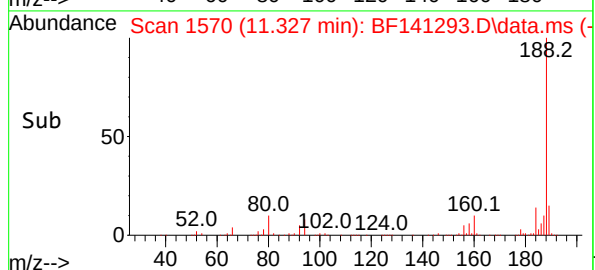
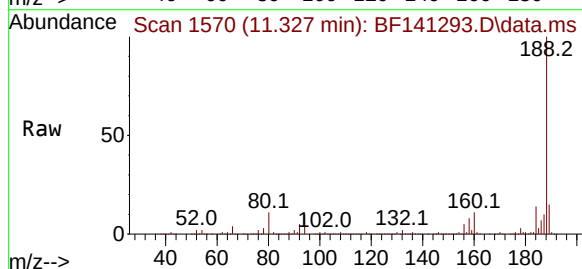
Manual Integrations
APPROVED

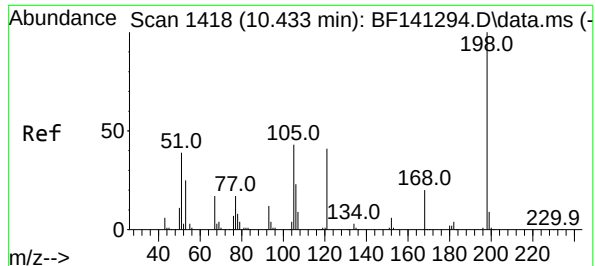
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.7 8.2 12.4





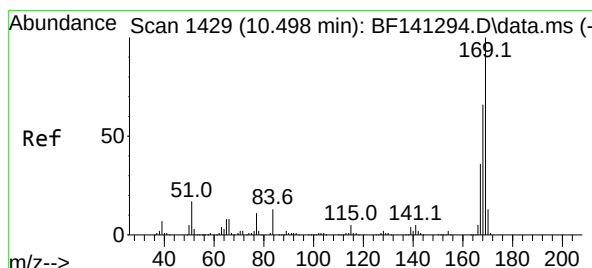
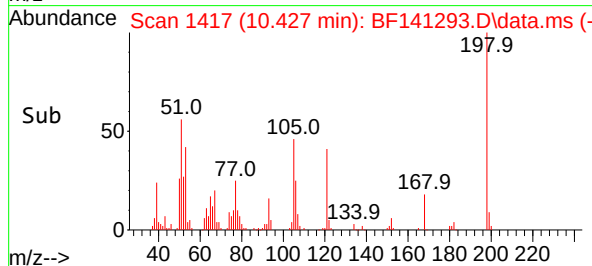
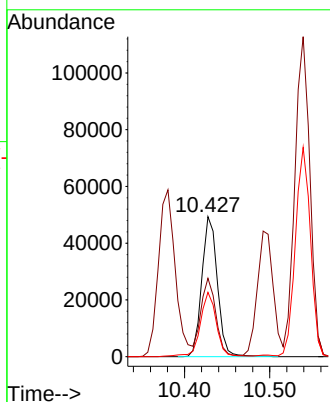
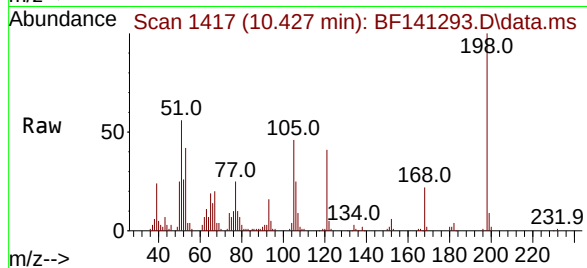
#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 62572
Ion Ratio Lower Upper
198 100
51 56.0 33.4 73.4
105 45.9 24.4 64.4

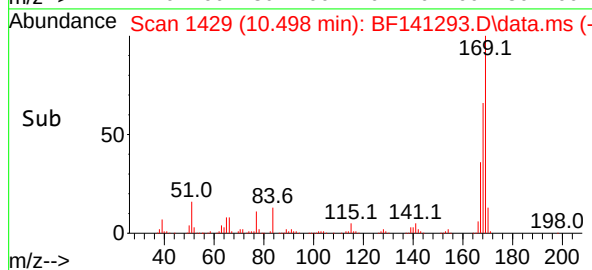
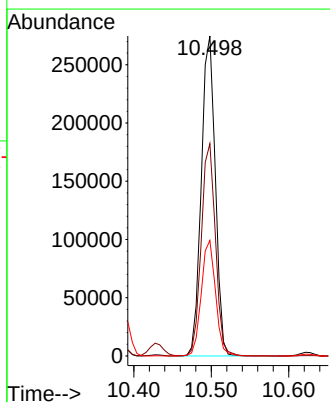
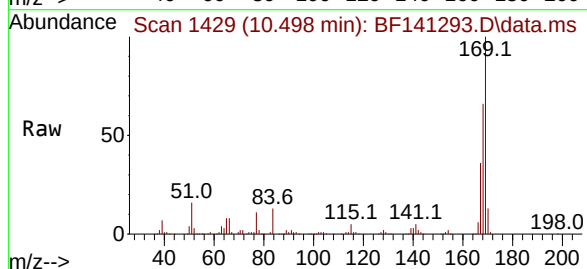
Manual Integrations
APPROVED

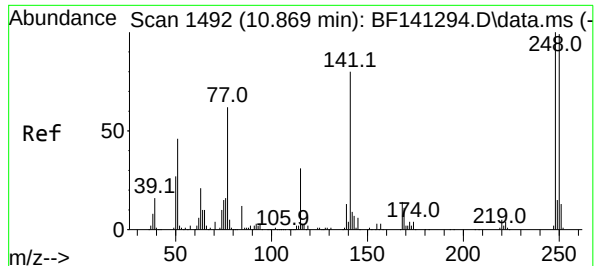
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

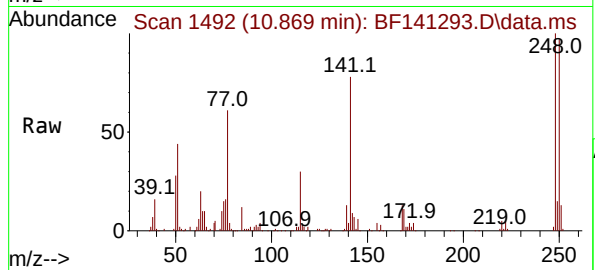
Tgt Ion:169 Resp: 344387
Ion Ratio Lower Upper
169 100
168 66.3 53.0 79.4
167 36.1 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

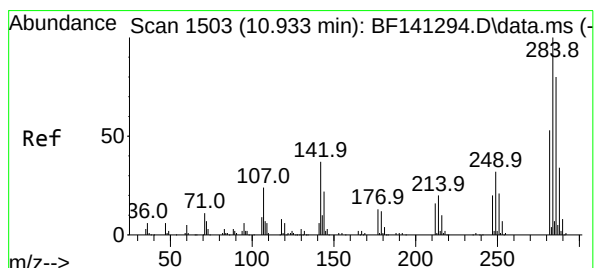
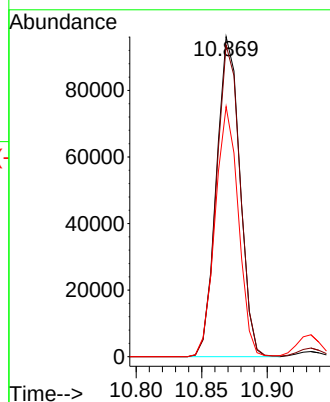
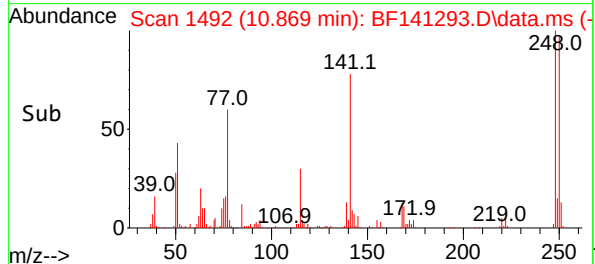
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



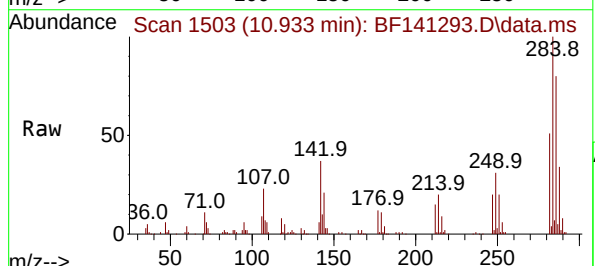
Tgt Ion:248 Resp: 119844
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.1 63.7 95.5

Manual Integrations
APPROVED

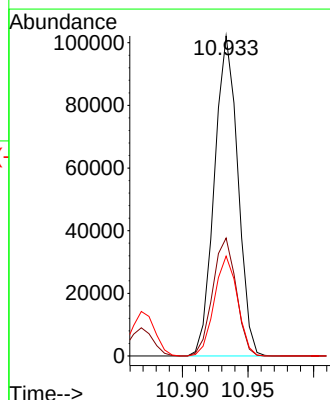
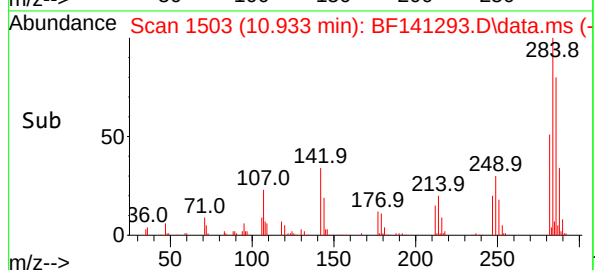
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

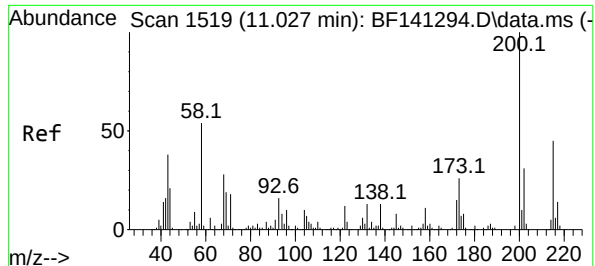


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



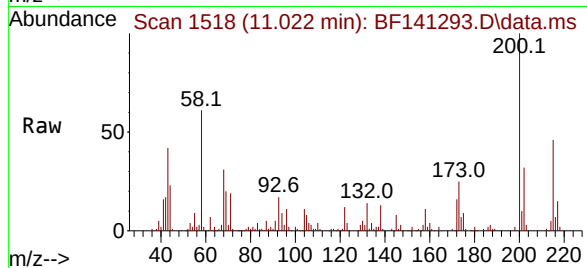
Tgt Ion:284 Resp: 126823
Ion Ratio Lower Upper
284 100
142 36.8 29.5 44.3
249 31.2 25.4 38.2





#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

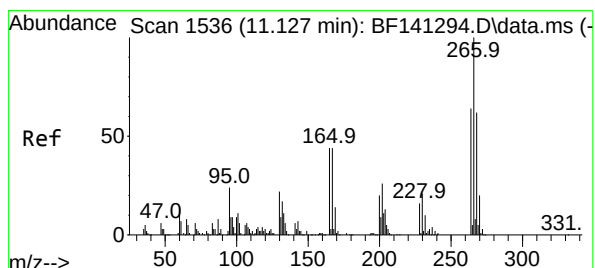
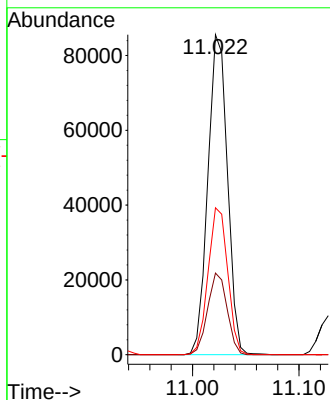
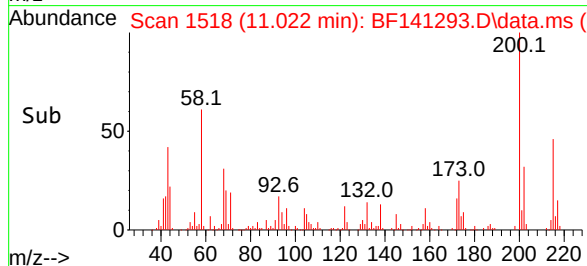
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



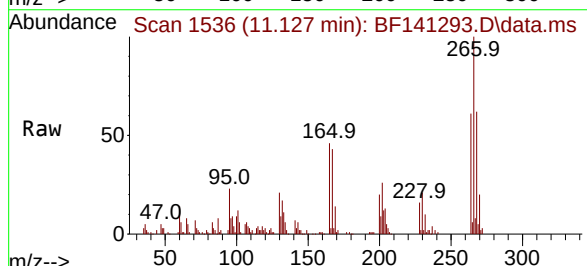
Tgt Ion:200 Resp: 10913
Ion Ratio Lower Upper
200 100
173 25.5 5.9 45.9
215 45.9 25.2 65.2

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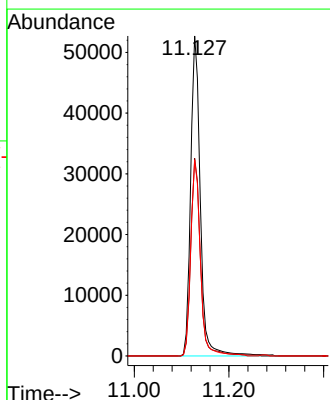
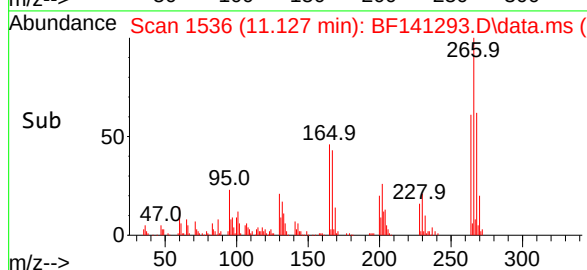
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

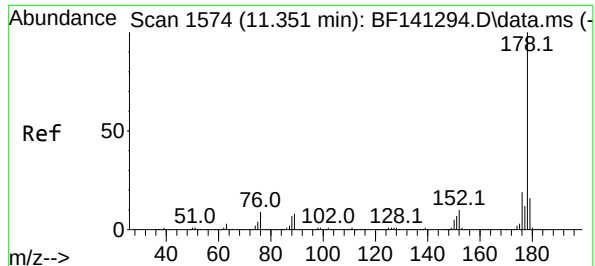


#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



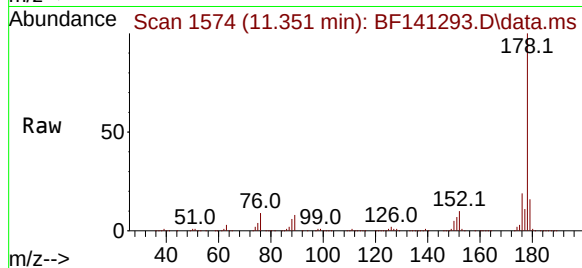
Tgt Ion:266 Resp: 74508
Ion Ratio Lower Upper
266 100
268 61.8 49.9 74.9
264 61.2 51.0 76.4





#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

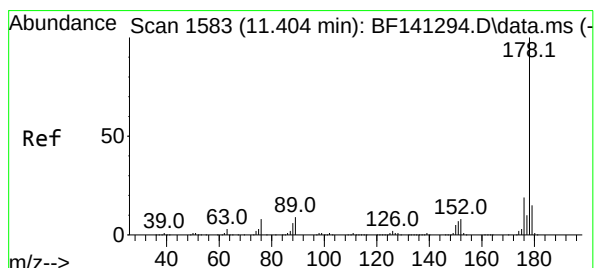
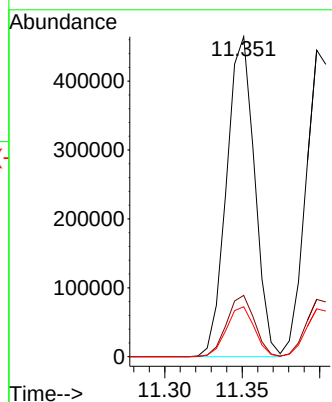
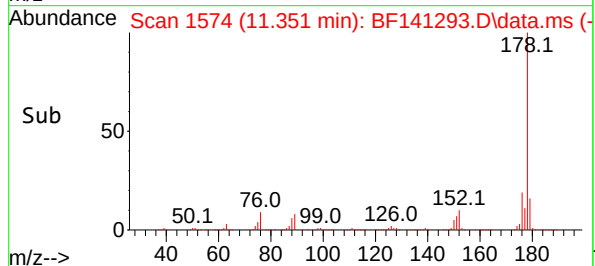
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 58402
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7

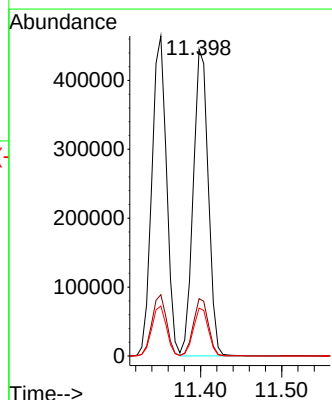
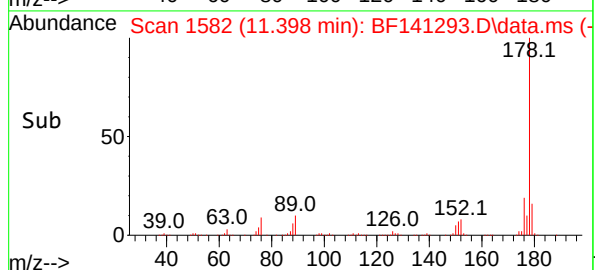
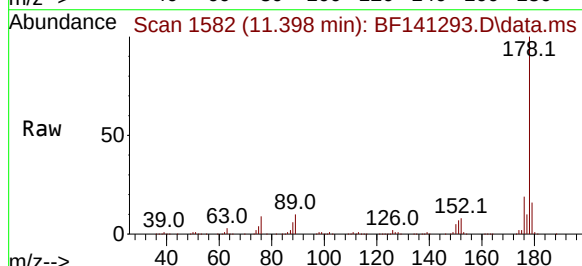
Manual Integrations
APPROVED

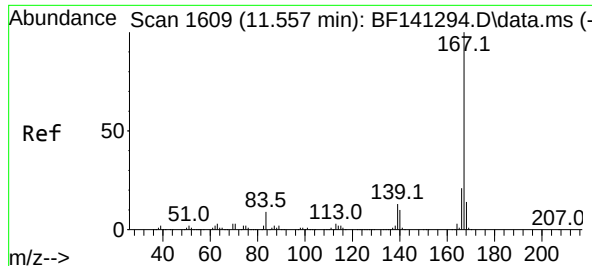
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

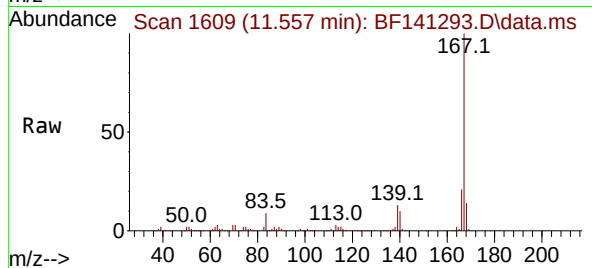
Tgt Ion:178 Resp: 572743
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

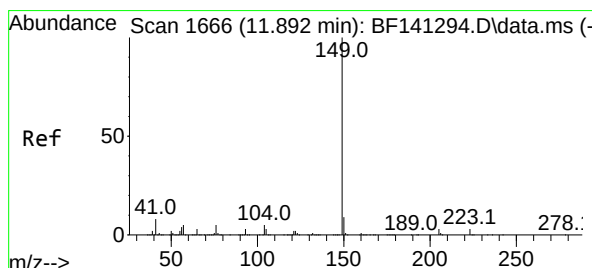
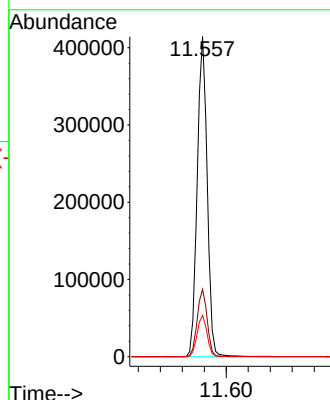
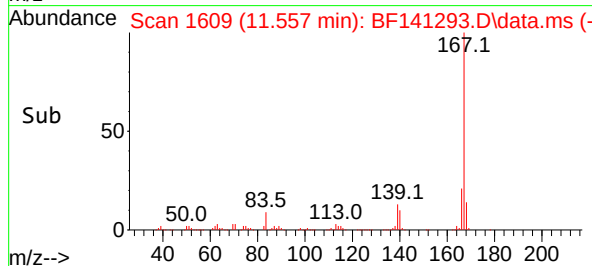
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



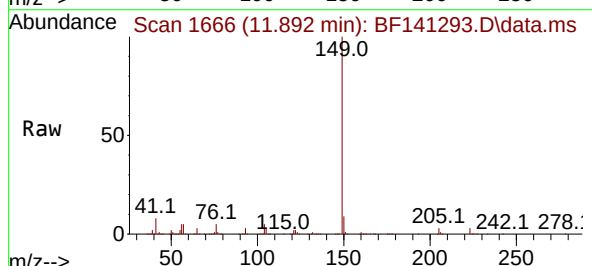
Tgt Ion:167 Resp: 522100
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.6
139 12.9 10.6 16.0

Manual Integrations
APPROVED

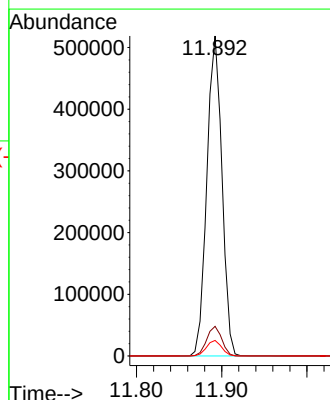
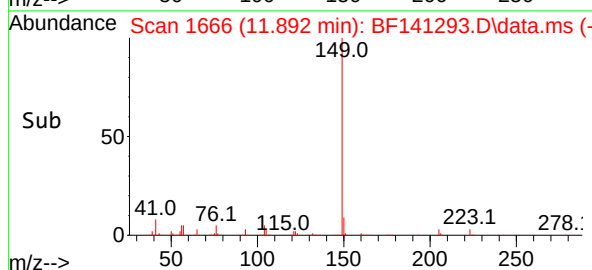
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

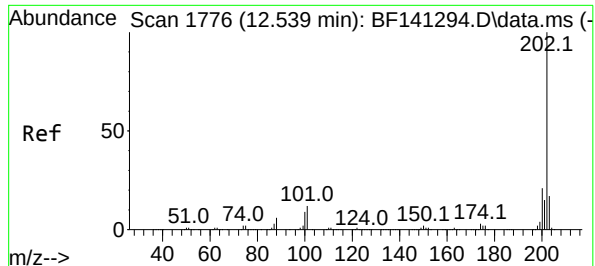


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



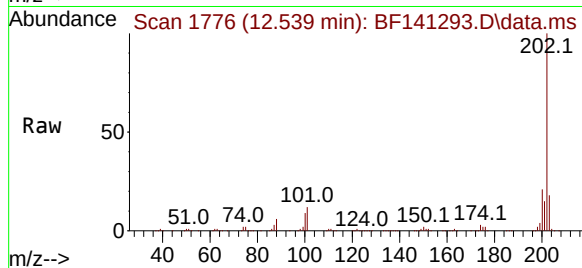
Tgt Ion:149 Resp: 636521
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.8 3.9 5.9





#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

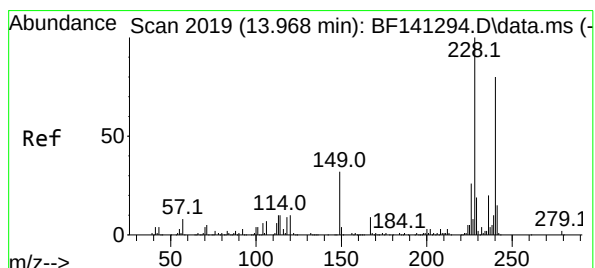
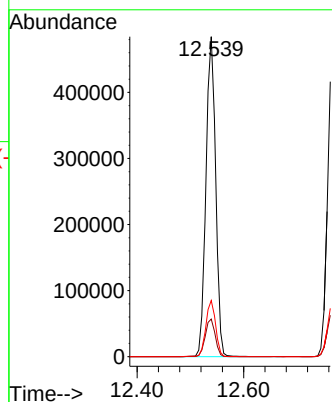
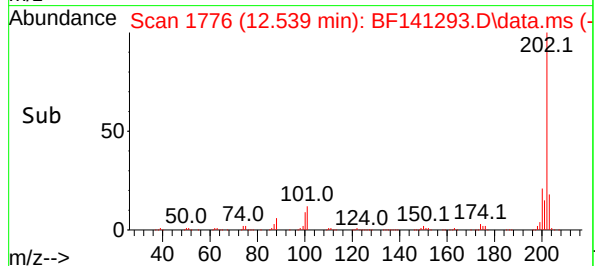
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 611492
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.7
203 17.5 0.0 37.5

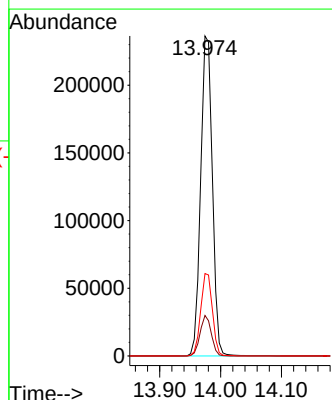
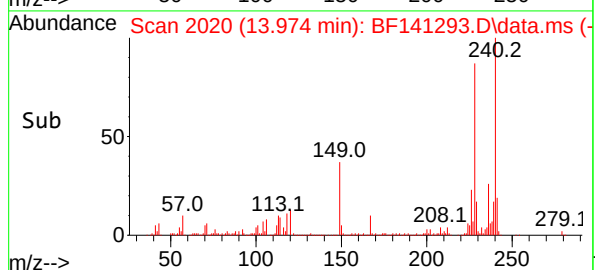
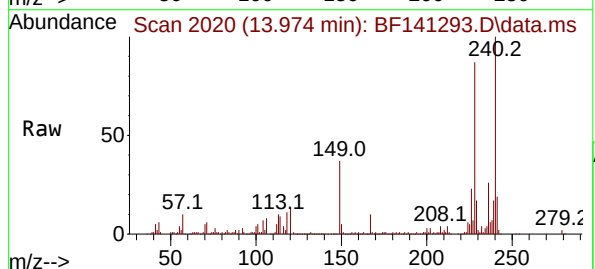
Manual Integrations
APPROVED

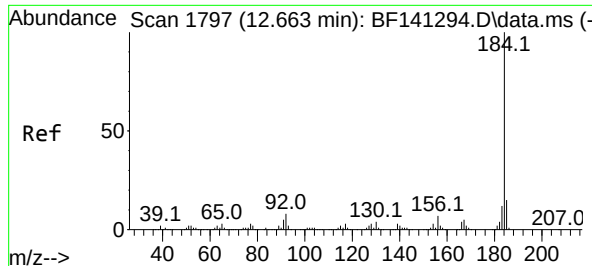
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:240 Resp: 314234
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.8 19.7 29.5





#77

Benzidine

Concen: 6.904 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

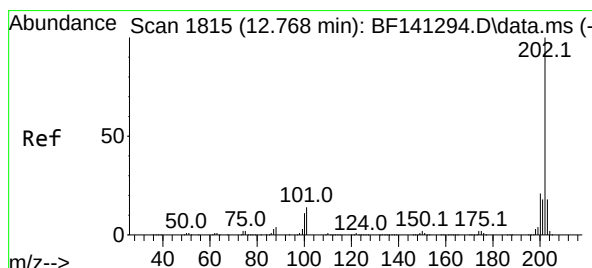
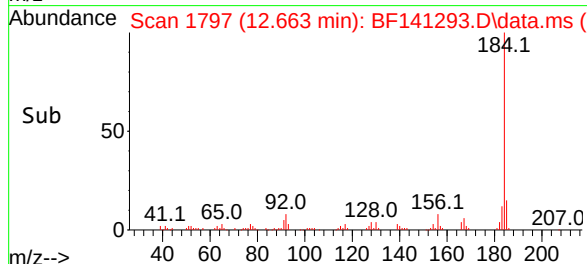
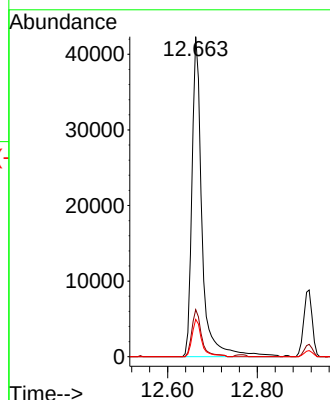
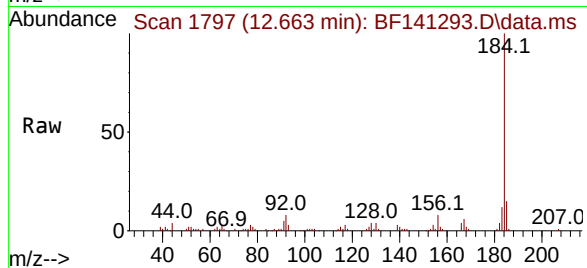
SSTDICC020

Tgt Ion:184	Resp: 6596
Ion Ratio	Lower Upper
184	100
185	14.7 11.9 17.9
183	11.7 9.5 14.3

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 20.739 ng

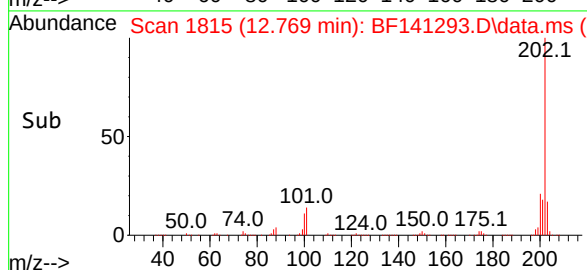
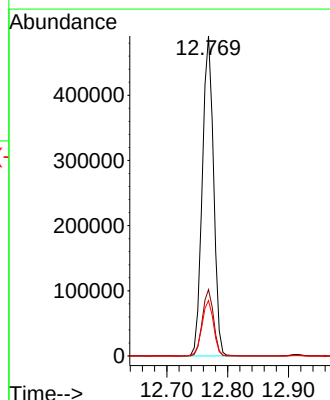
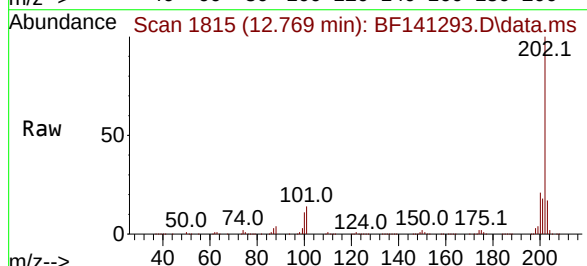
RT: 12.769 min Scan# 1815

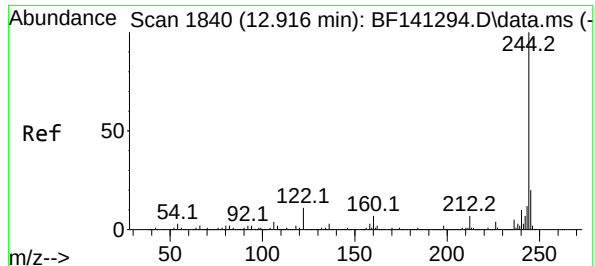
Delta R.T. 0.000 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

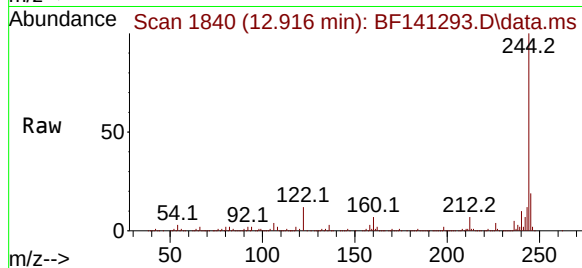
Tgt Ion:202	Resp: 629228
Ion Ratio	Lower Upper
202	100
200	20.7 17.0 25.4
203	17.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 42.159 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF141293.D
 Acq: 29 Jan 2025 15:17

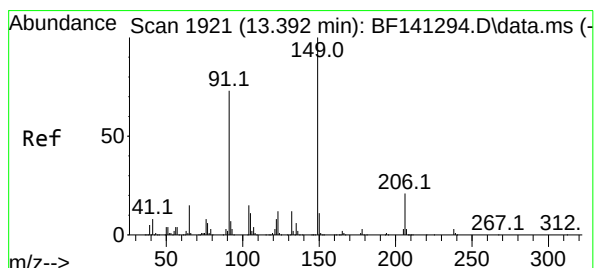
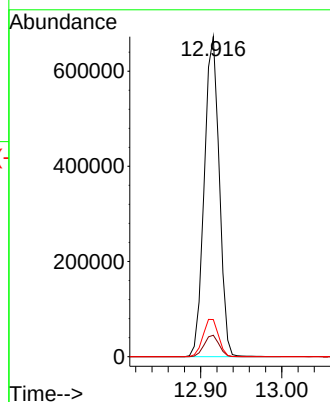
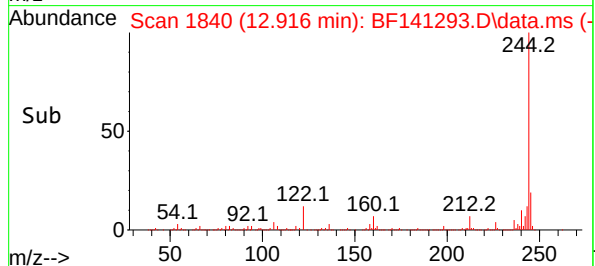
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



Tgt Ion:244 Resp: 860950
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.6 8.8 13.2

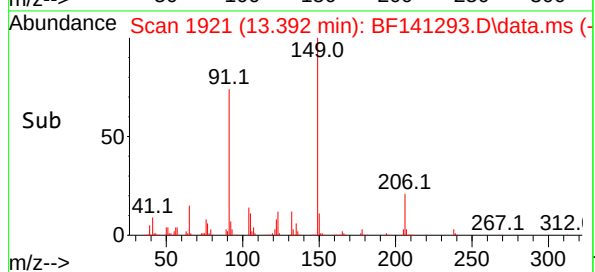
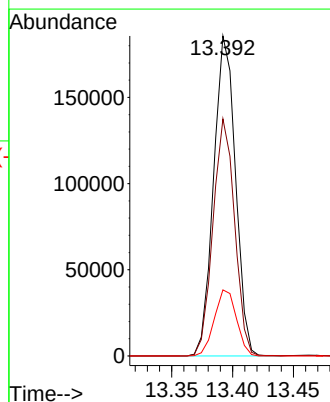
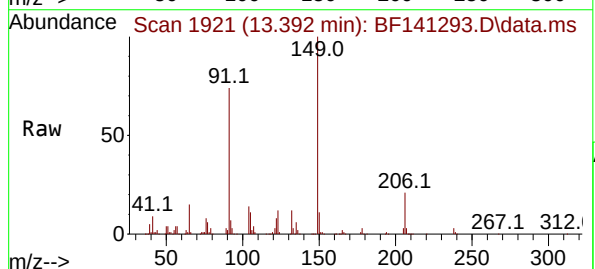
Manual Integrations
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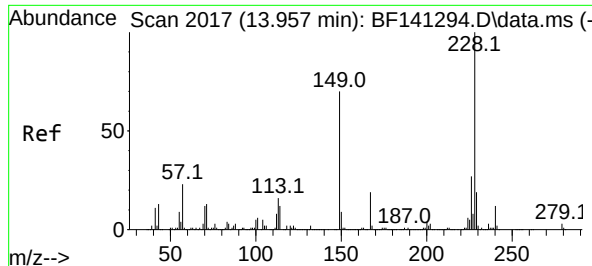
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#80
 Butylbenzylphthalate
 Concen: 22.149 ng
 RT: 13.392 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: BF141293.D
 Acq: 29 Jan 2025 15:17

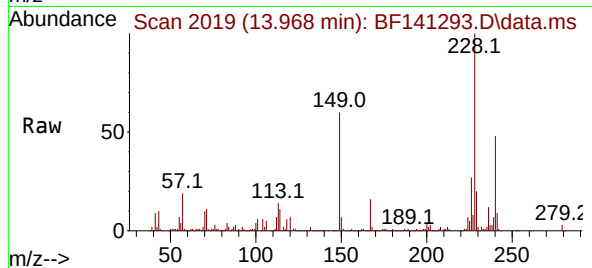
Tgt Ion:149 Resp: 232095
 Ion Ratio Lower Upper
 149 100
 91 74.1 58.6 87.8
 206 20.7 16.7 25.1





#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

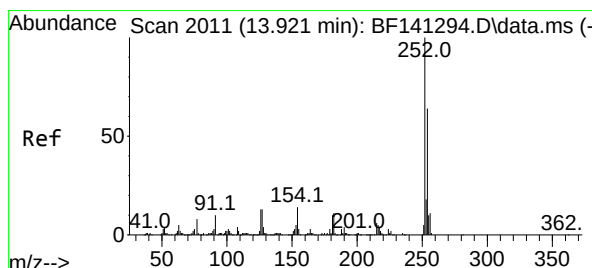
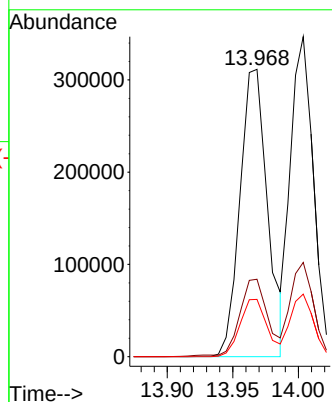
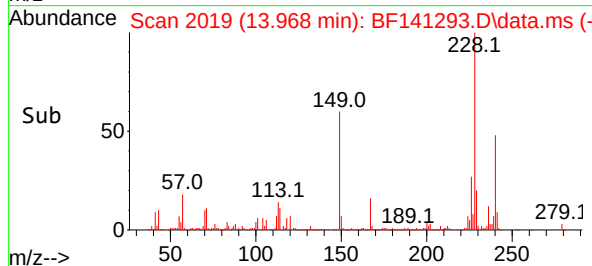
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



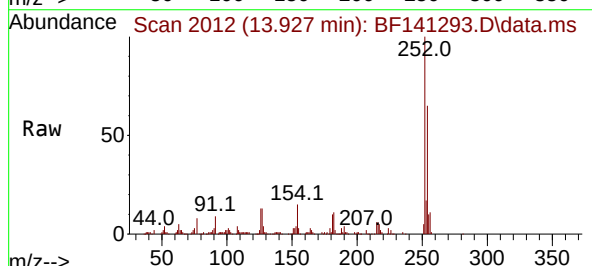
Tgt Ion:228 Resp: 45653
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.9 15.5 23.3

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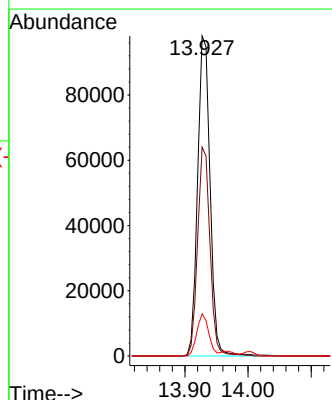
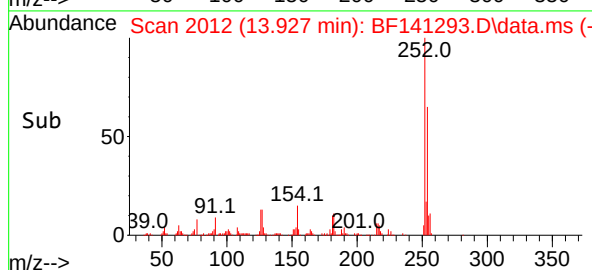
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

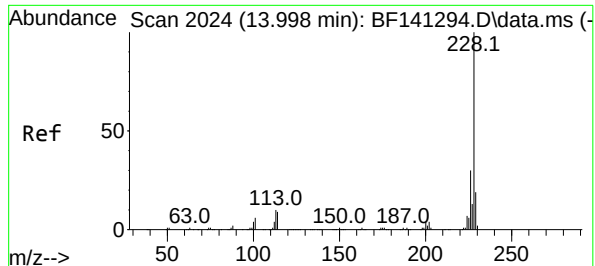


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17



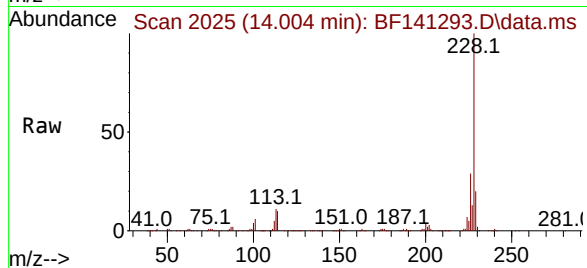
Tgt Ion:252 Resp: 134298
Ion Ratio Lower Upper
252 100
254 65.2 51.3 76.9
126 13.2 10.0 15.0





#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

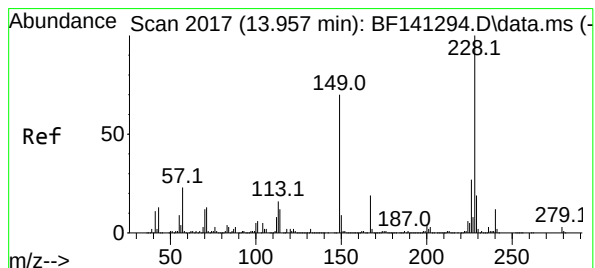
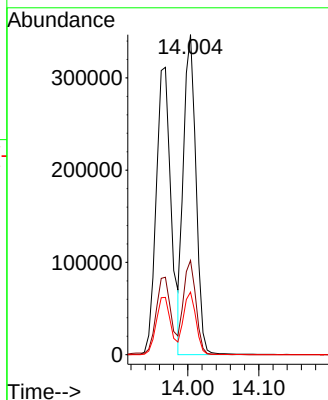
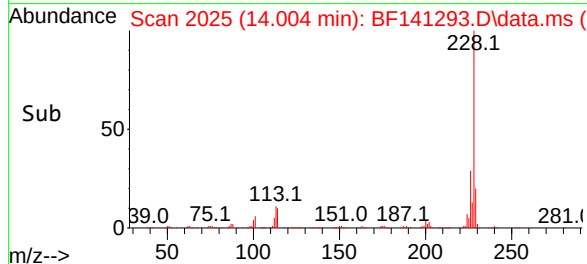
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 421849
Ion Ratio Lower Upper
228 100
226 29.4 24.1 36.1
229 19.5 15.6 23.4

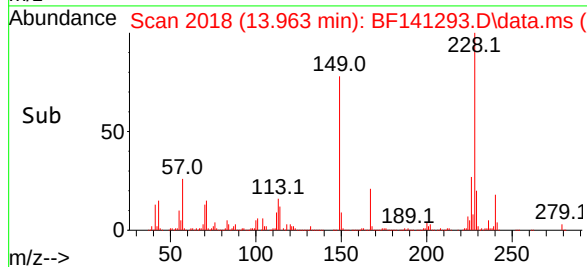
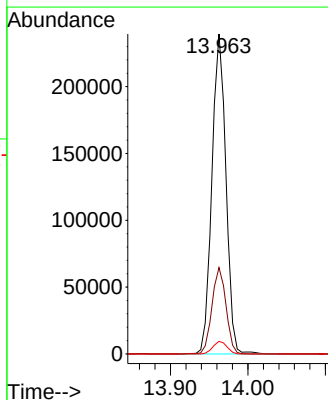
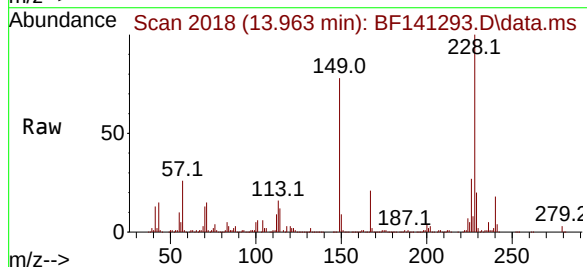
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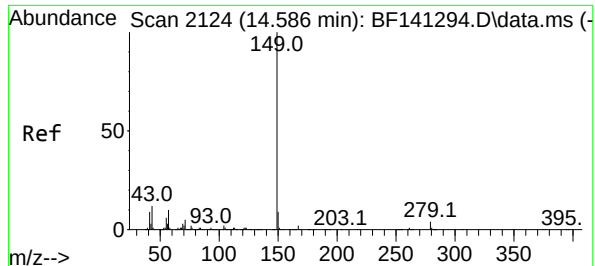
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

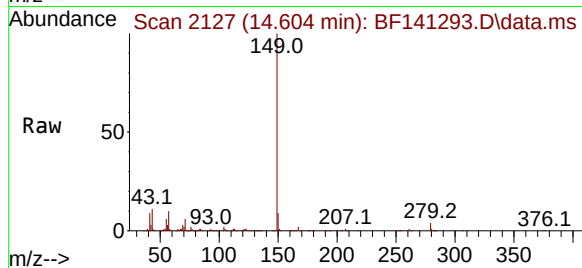
Tgt Ion:149 Resp: 300546
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

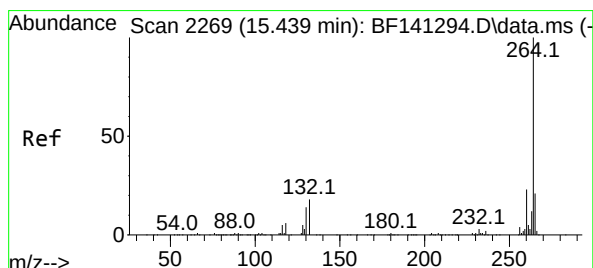
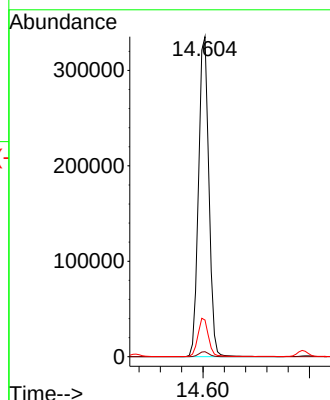
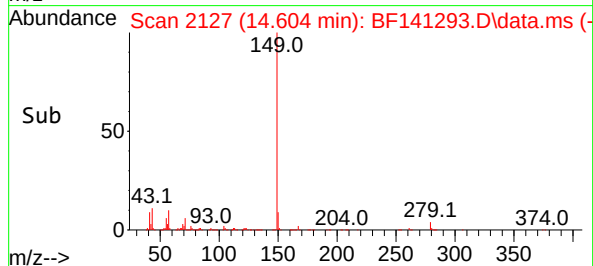
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 451748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

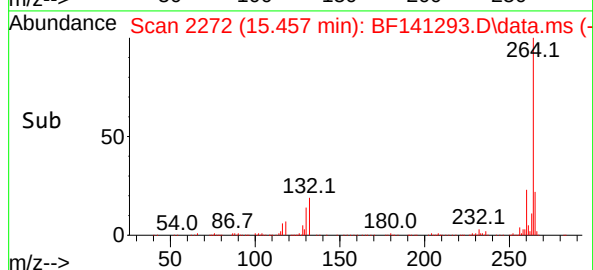
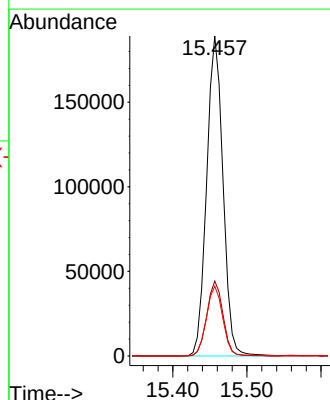
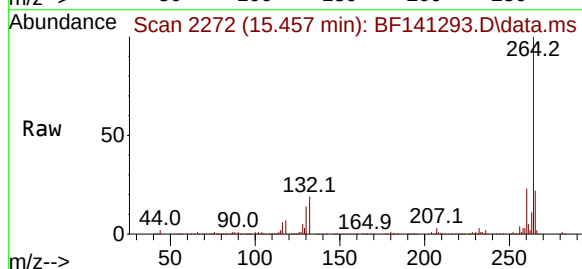
Manual Integrations
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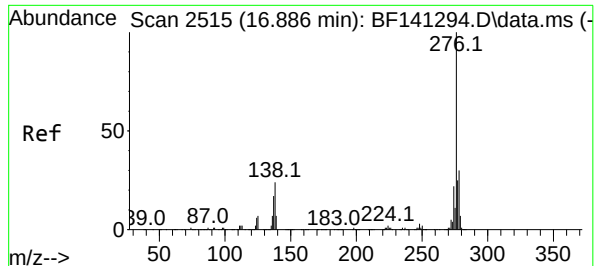
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.466 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:276 Resp: 387089

Ion Ratio Lower Upper

276 100

138 27.6 21.7 32.5

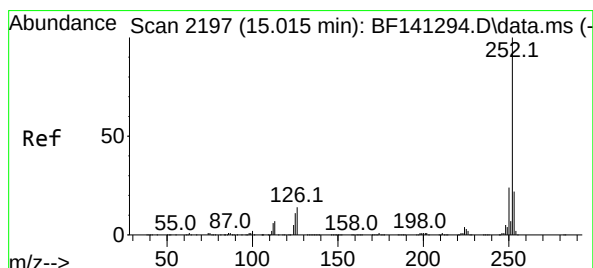
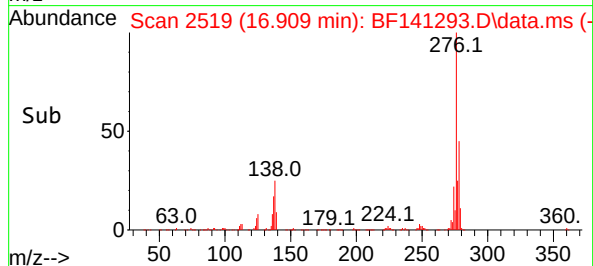
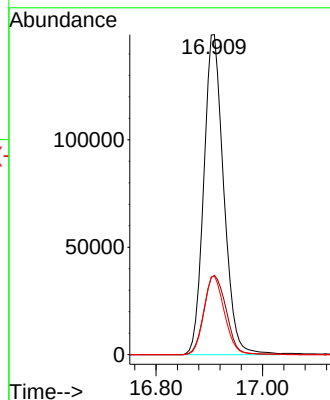
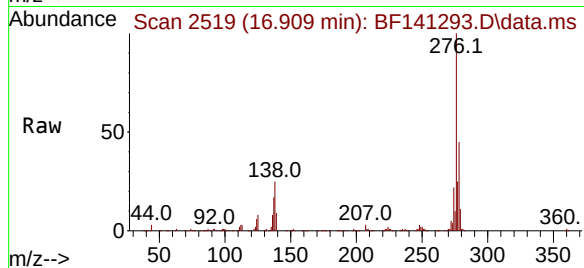
277 25.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 21.383 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

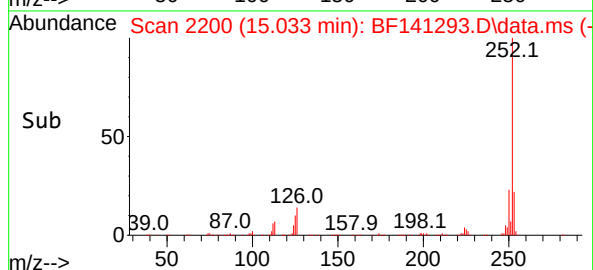
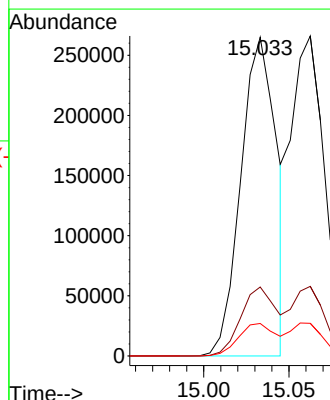
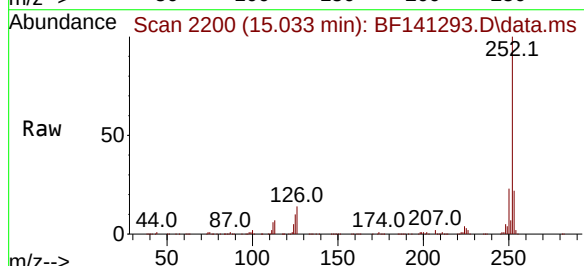
Tgt Ion:252 Resp: 384557

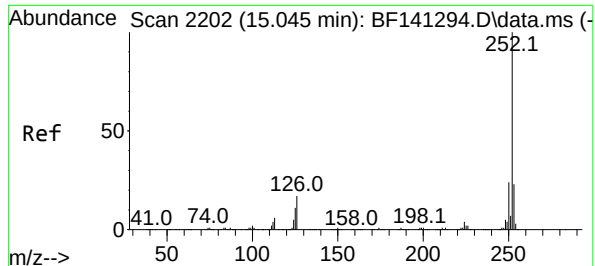
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.2 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 22.900 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 36880

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

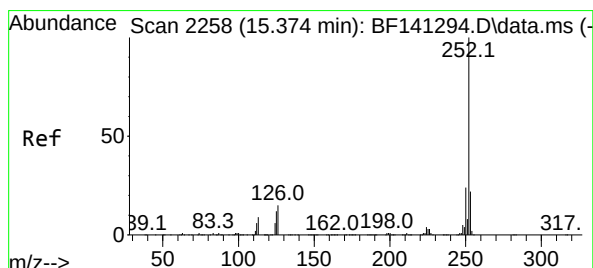
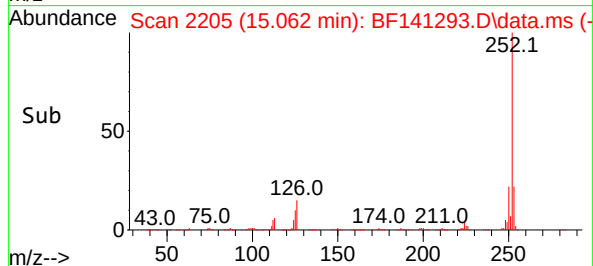
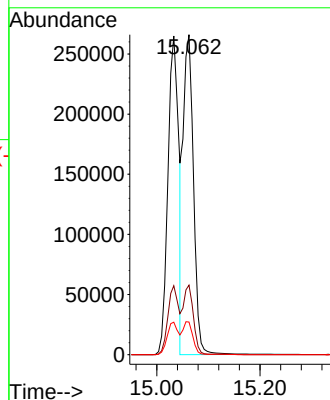
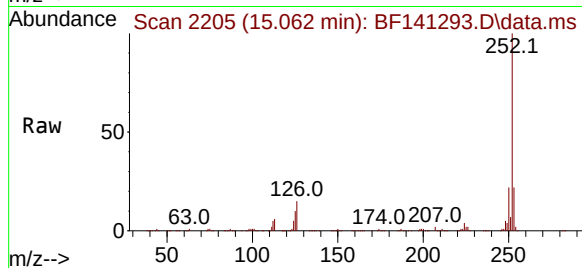
125 10.2 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 21.317 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

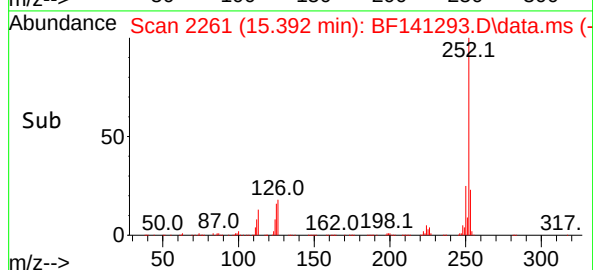
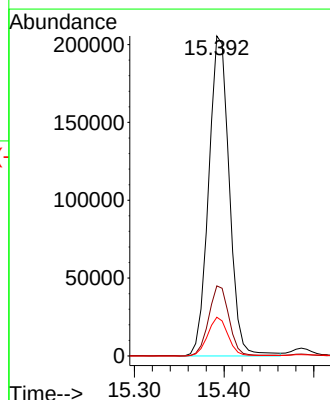
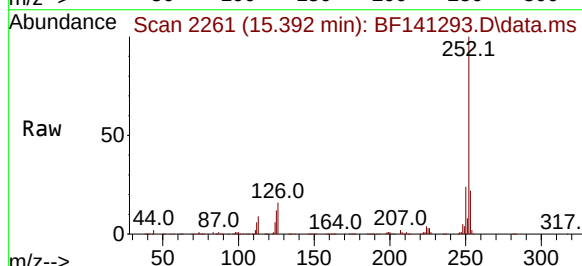
Tgt Ion:252 Resp: 327630

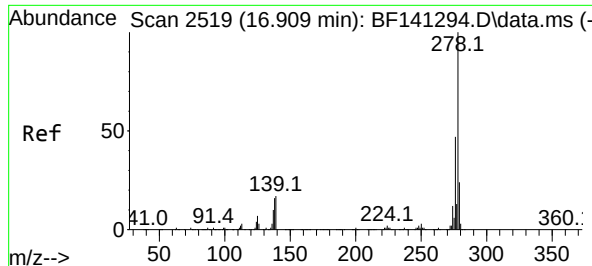
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 21.026 ng

RT: 16.927 min Scan# 2519

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Tgt Ion:278 Resp: 318776

Ion Ratio Lower Upper

278 100

139 17.7 13.9 20.9

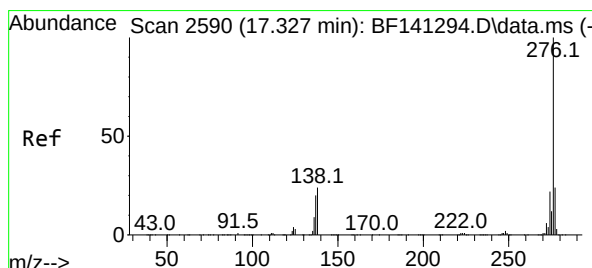
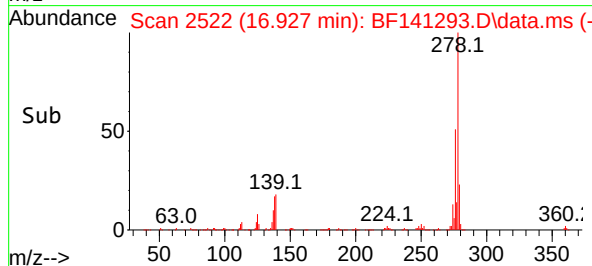
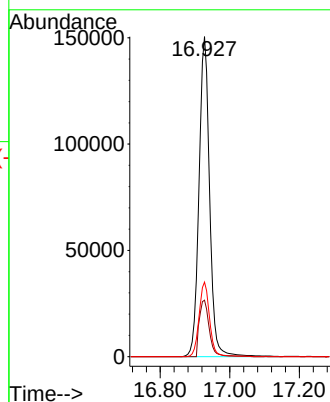
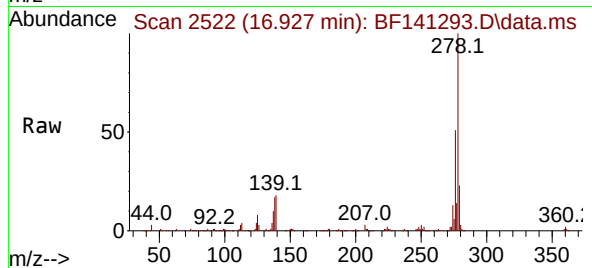
279 23.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#92

Benzo(g,h,i)perylene

Concen: 20.684 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.018 min

Lab File: BF141293.D

Acq: 29 Jan 2025 15:17

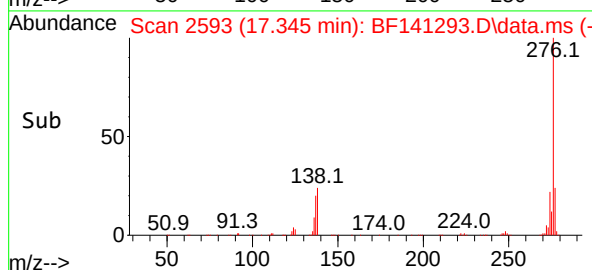
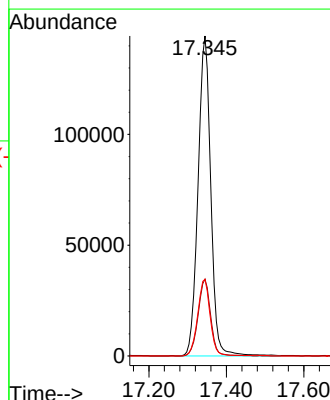
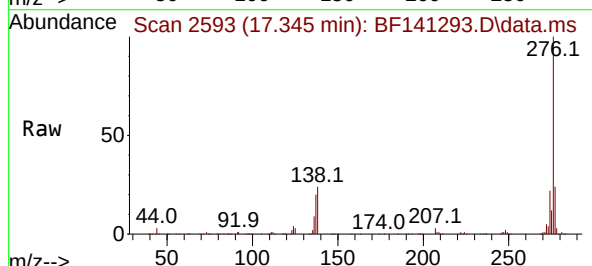
Tgt Ion:276 Resp: 329876

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.9 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141294.D
 Acq On : 29 Jan 2025 15:45
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

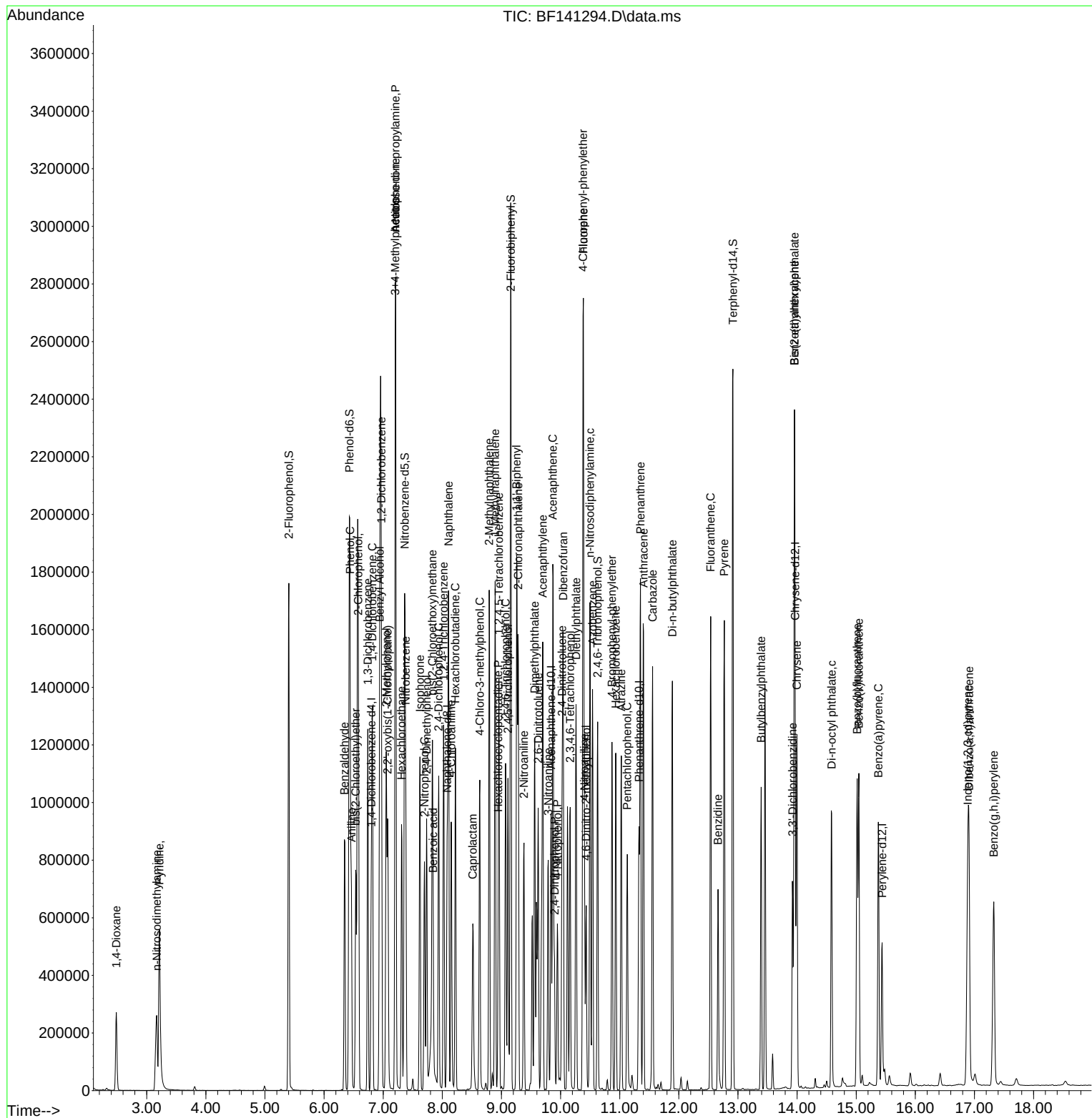
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

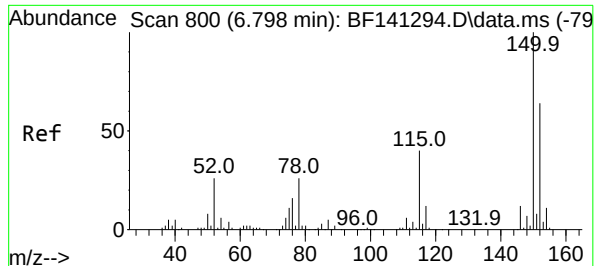
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\  
Data File : BF141294.D  
Acq On    : 29 Jan 2025  15:45  
Operator  : RC/JU  
Sample    : SSTDICCC040  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

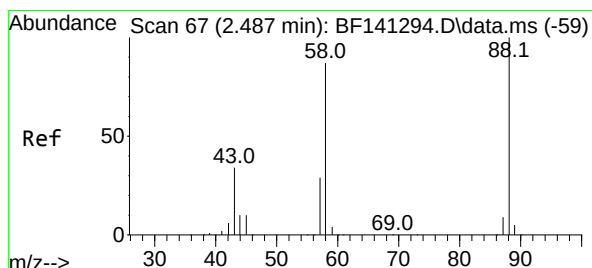
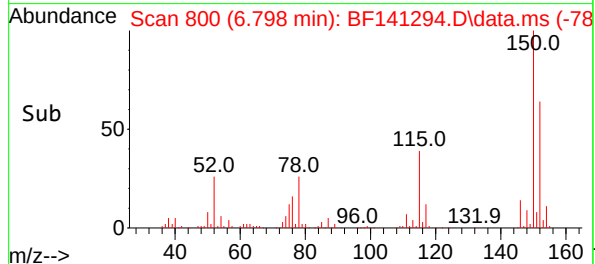
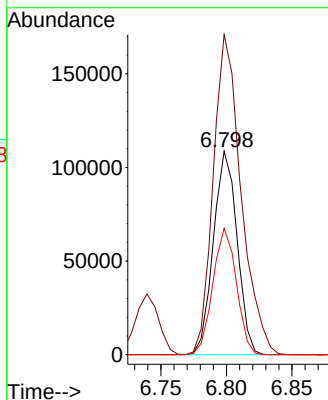
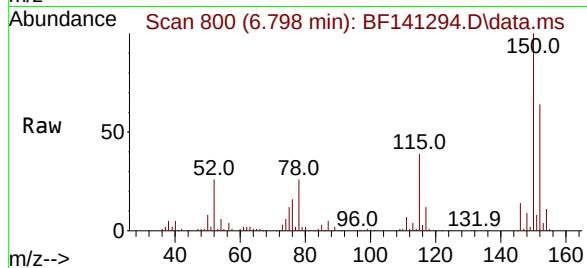




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

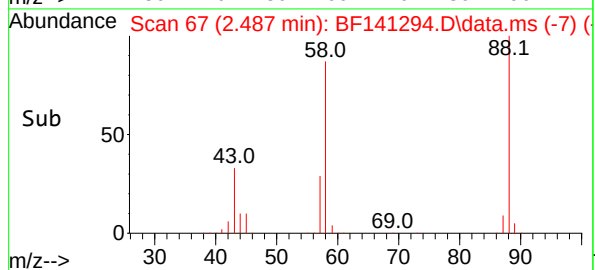
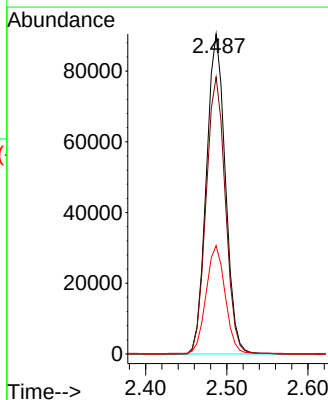
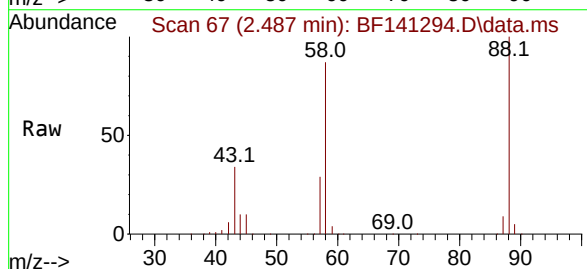
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

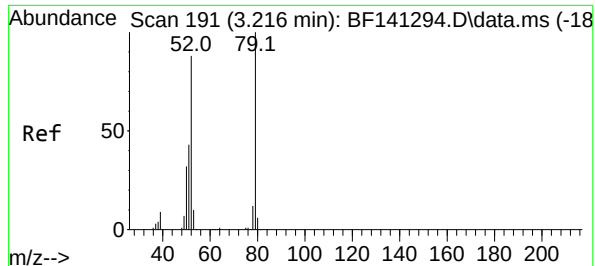
Tgt Ion:152 Resp: 136511
Ion Ratio Lower Upper
152 100
150 157.4 125.9 188.9
115 62.1 49.7 74.5



#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.5 27.6 41.4





#3

Pyridine

Concen: 38.457 ng

RT: 3.216 min Scan# 191

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

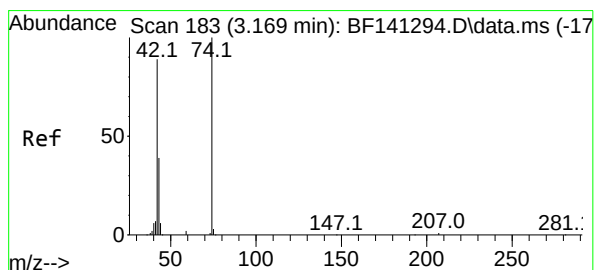
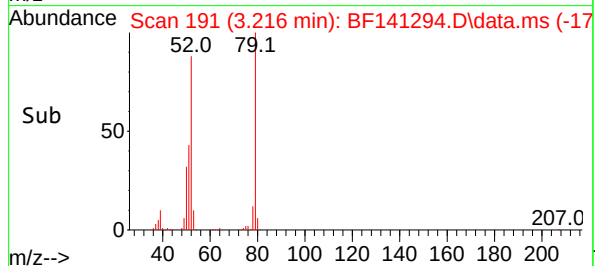
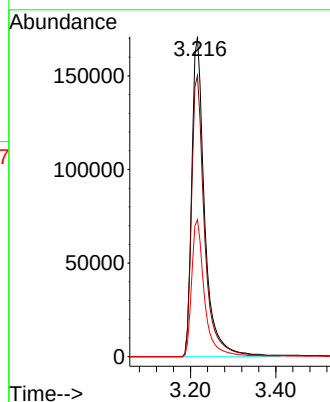
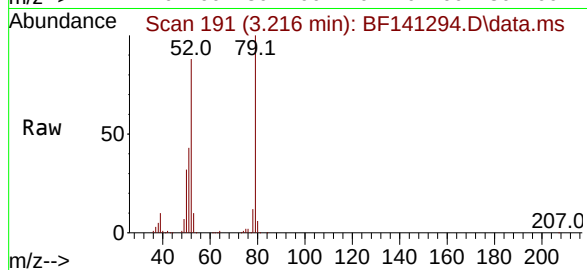
Tgt Ion: 79 Resp: 360381

Ion Ratio Lower Upper

79 100

52 87.9 70.3 105.5

51 42.9 34.3 51.5



#4

n-Nitrosodimethylamine

Concen: 38.203 ng

RT: 3.169 min Scan# 183

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

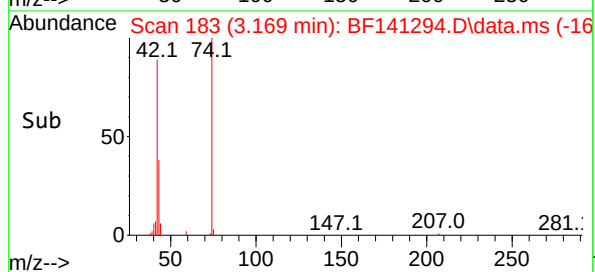
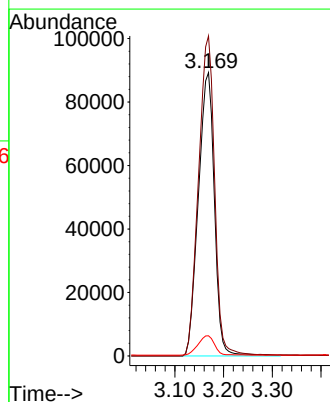
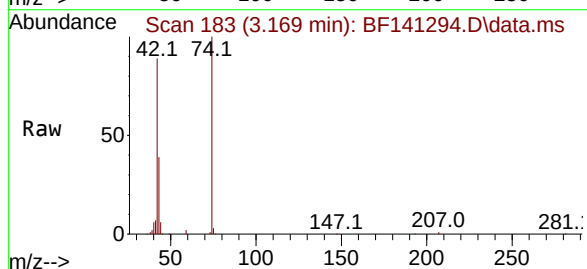
Tgt Ion: 42 Resp: 205026

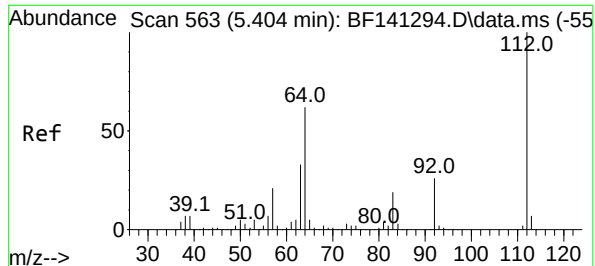
Ion Ratio Lower Upper

42 100

74 112.9 90.3 135.5

44 7.1 5.7 8.5

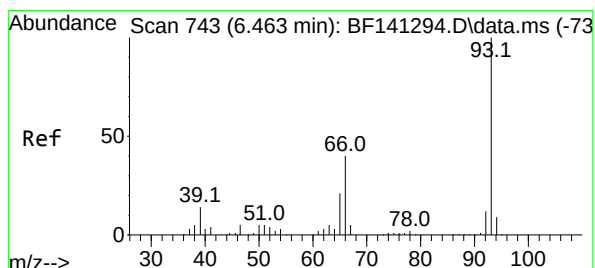
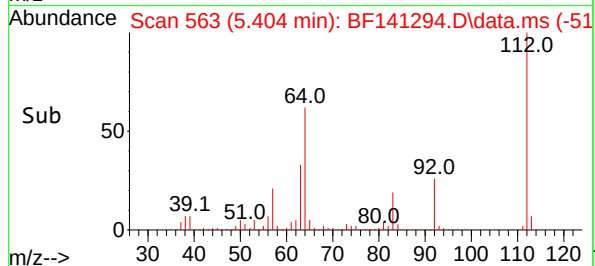
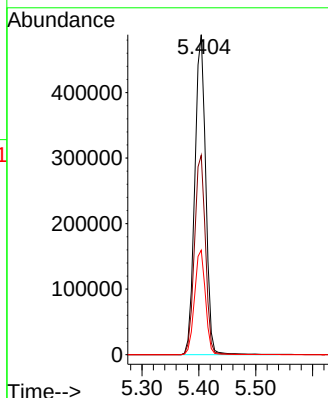
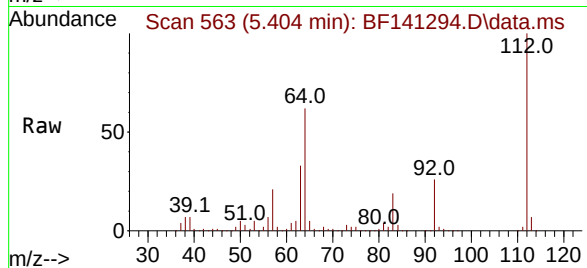




#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

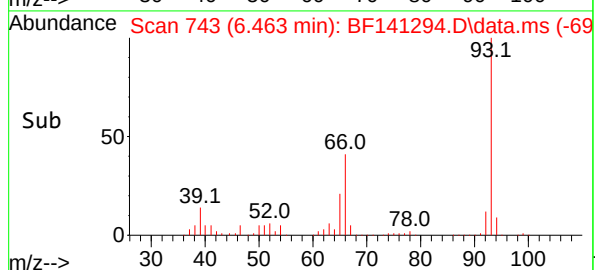
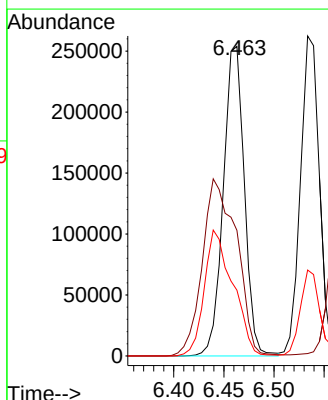
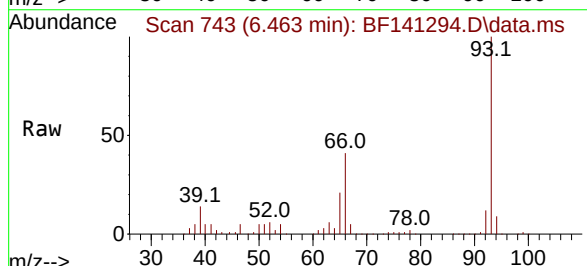
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

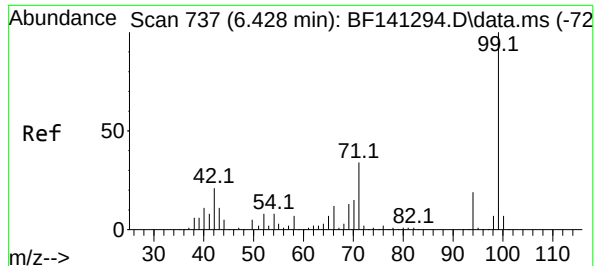
Tgt Ion:112 Resp: 655671
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 32.6 26.1 39.1



#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145
Ion Ratio Lower Upper
93 100
66 40.6 32.5 48.7
65 21.3 17.0 25.6





#7

Phenol-d6

Concen: 73.753 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

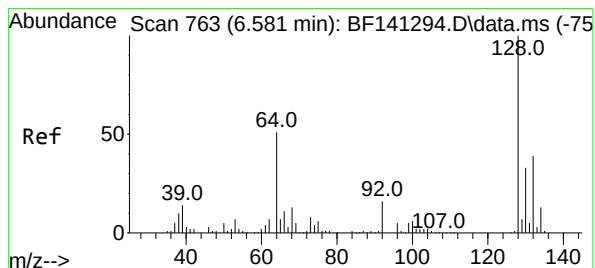
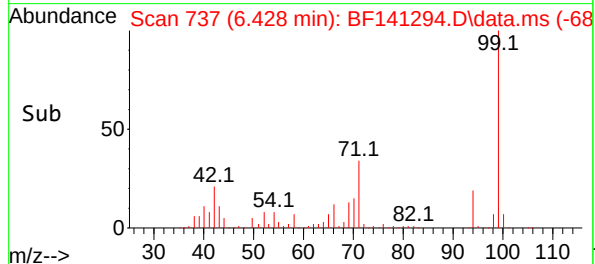
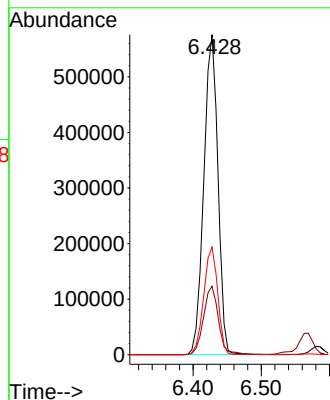
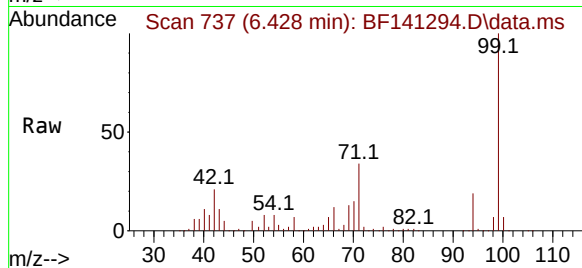
Tgt Ion: 99 Resp: 829746

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 33.6 26.9 40.3



#8

2-Chlorophenol

Concen: 37.357 ng

RT: 6.581 min Scan# 763

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

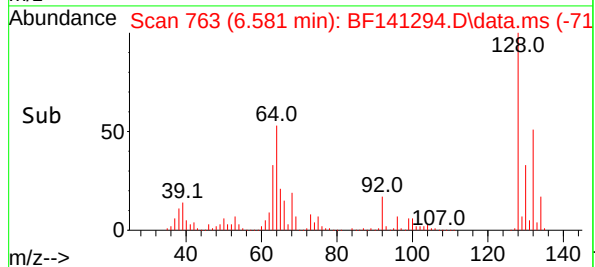
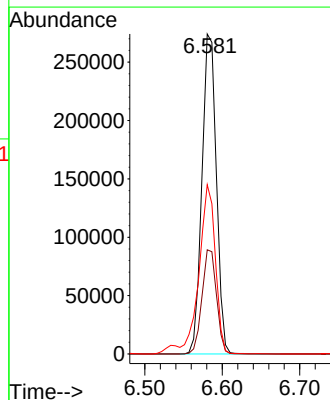
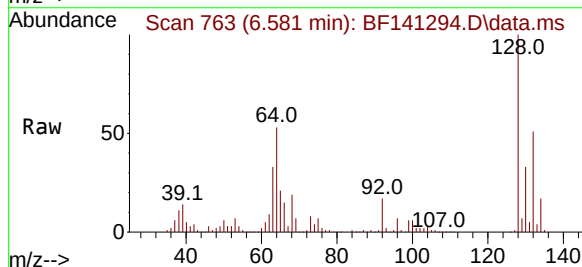
Tgt Ion:128 Resp: 354141

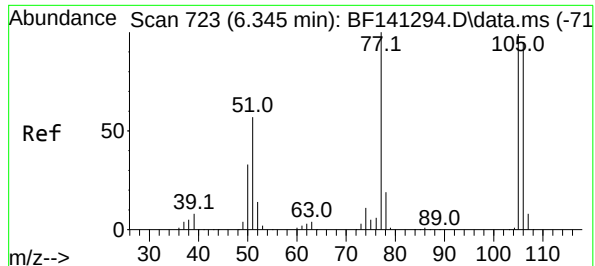
Ion Ratio Lower Upper

128 100

130 32.5 12.5 52.5

64 52.9 32.9 72.9





#9

Benzaldehyde

Concen: 37.402 ng

RT: 6.345 min Scan# 723

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

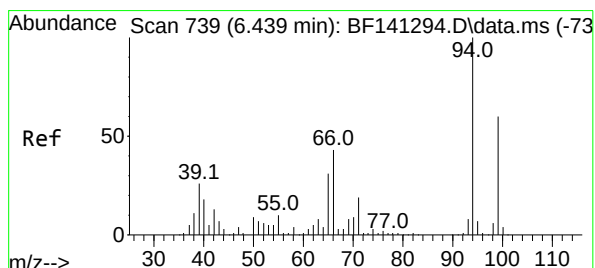
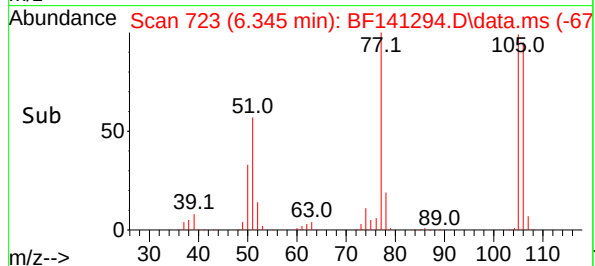
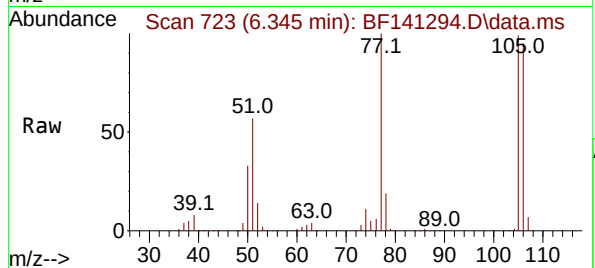
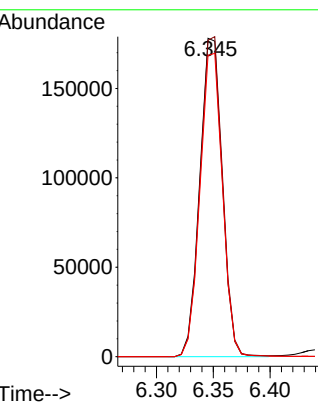
BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 77 Resp: 244365

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.6	74.6	114.6



#10

Phenol

Concen: 37.678 ng

RT: 6.439 min Scan# 739

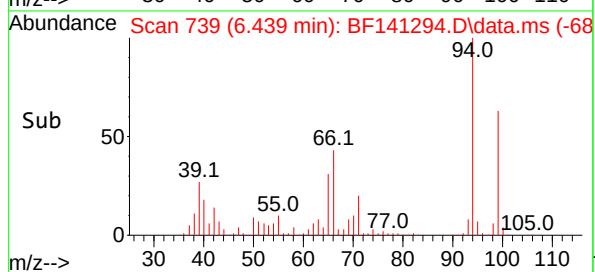
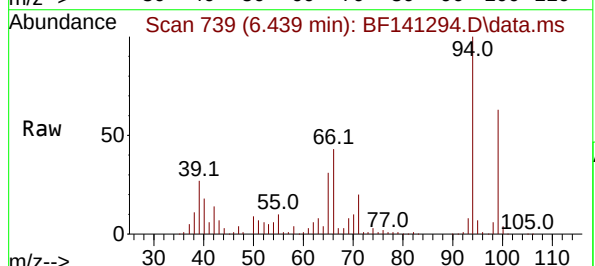
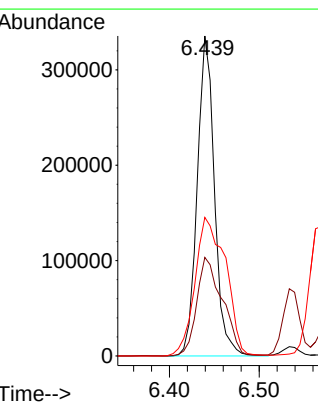
Delta R.T. 0.000 min

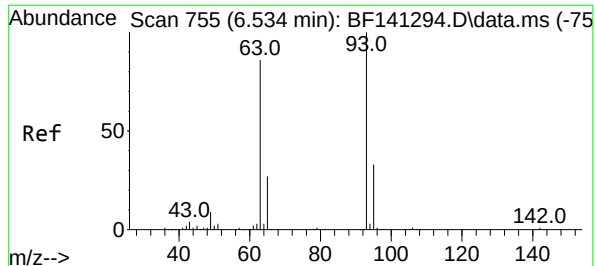
Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	43.3	23.3	63.3





#11

bis(2-Chloroethyl)ether

Concen: 36.754 ng

RT: 6.534 min Scan# 755

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

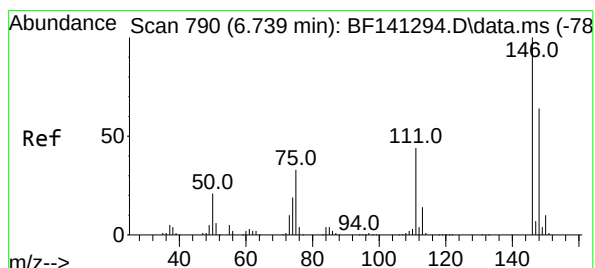
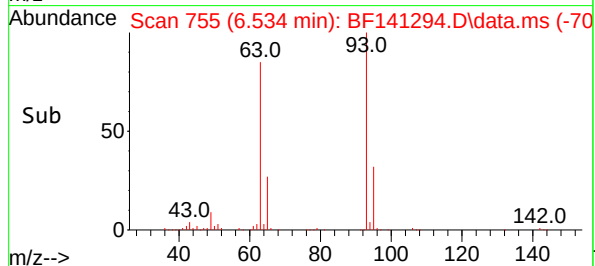
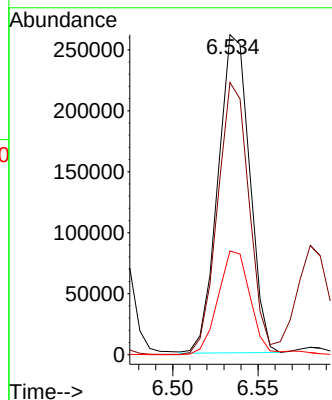
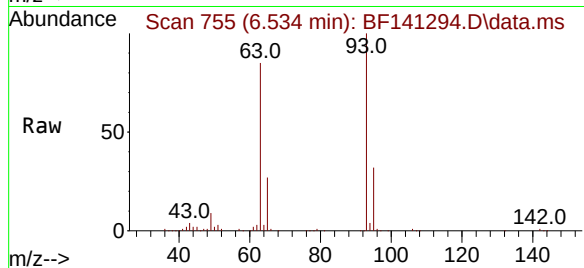
Tgt Ion: 93 Resp: 336429

Ion Ratio Lower Upper

93 100

63 85.0 65.0 105.0

95 32.4 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 37.328 ng

RT: 6.739 min Scan# 790

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

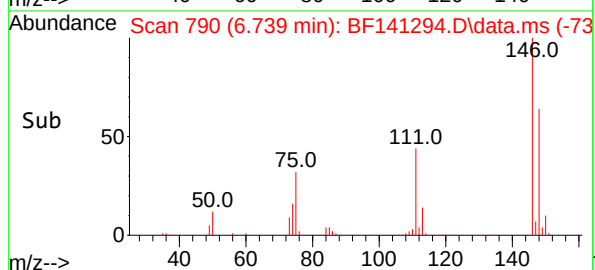
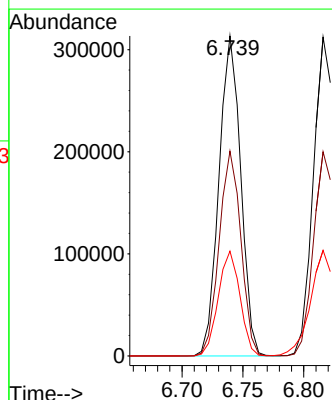
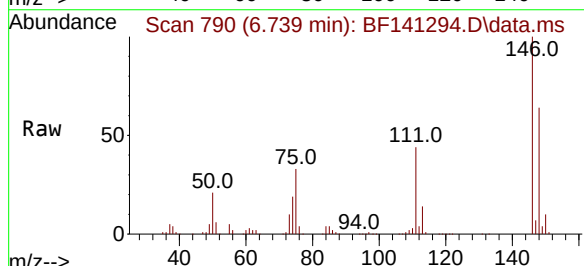
Tgt Ion: 146 Resp: 390276

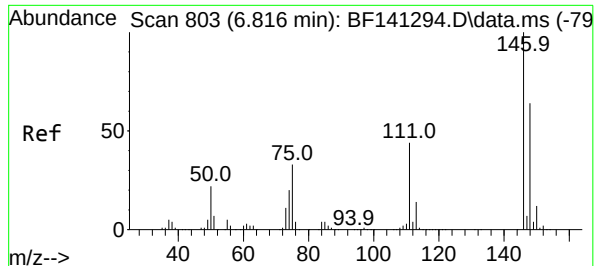
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

75 32.8 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.119 ng

RT: 6.816 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

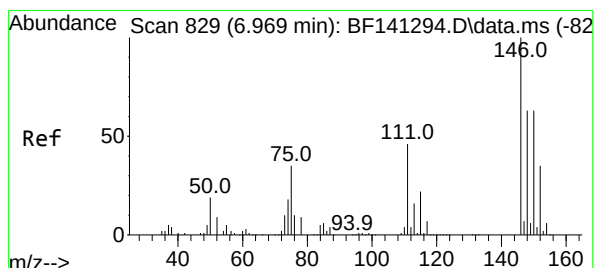
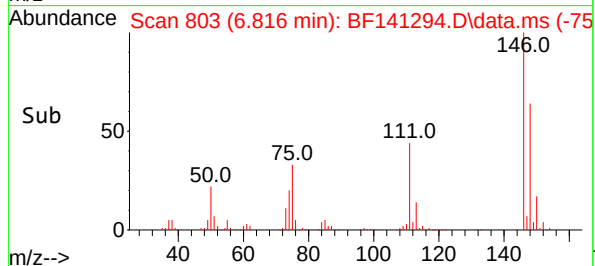
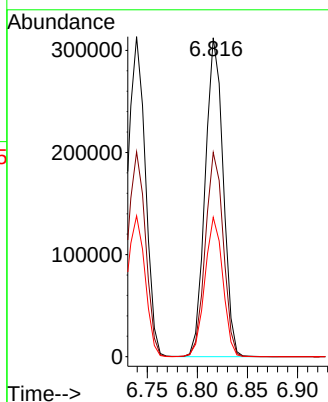
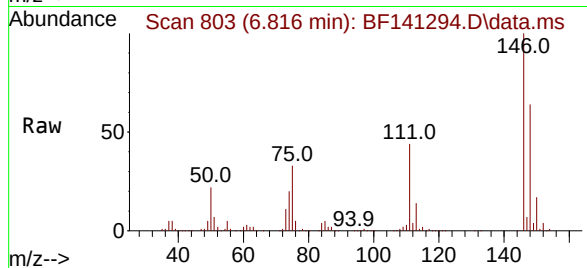
Tgt Ion:146 Resp: 390834

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.114 ng

RT: 6.969 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

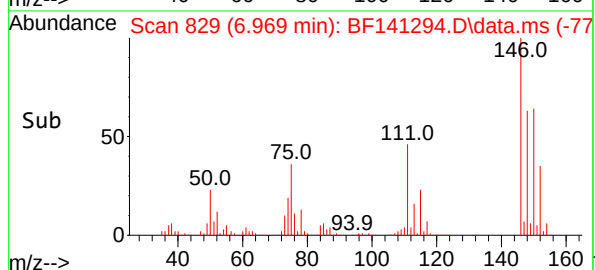
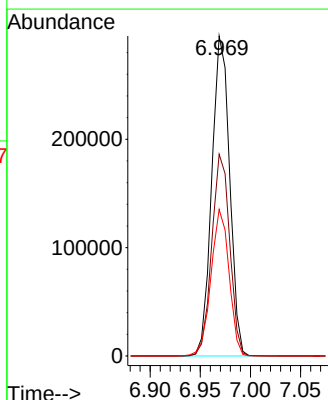
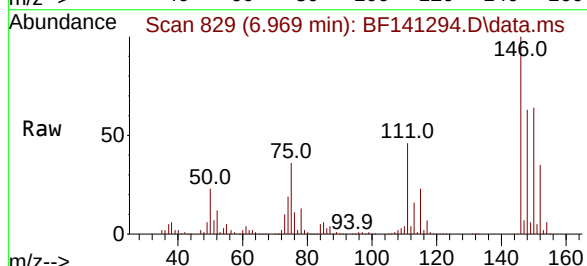
Tgt Ion:146 Resp: 365173

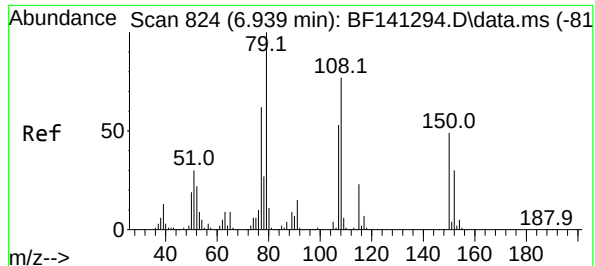
Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

111 45.8 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.445 ng

RT: 6.939 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

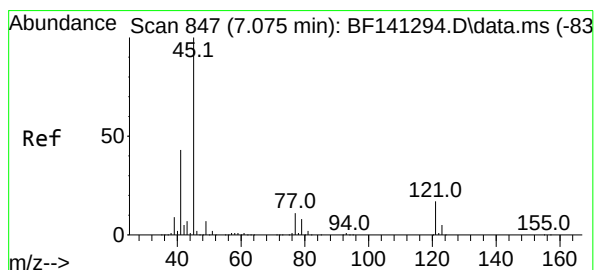
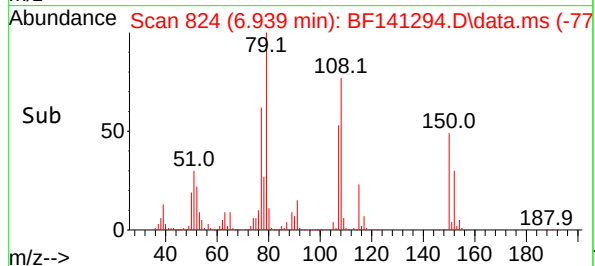
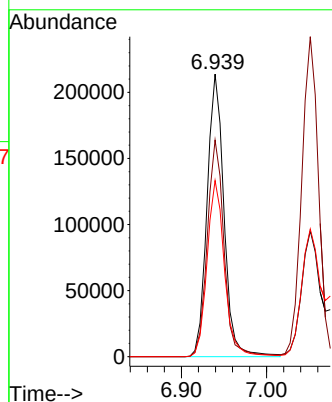
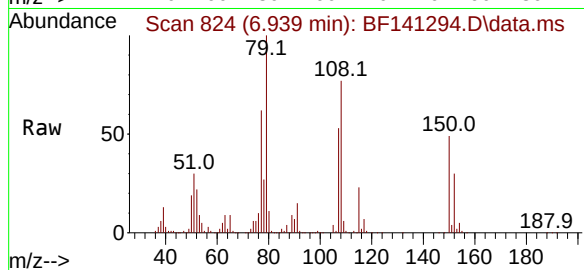
Tgt Ion: 79 Resp: 295478

Ion Ratio Lower Upper

79 100

108 76.7 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.578 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

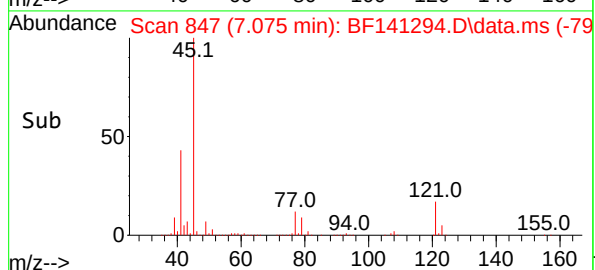
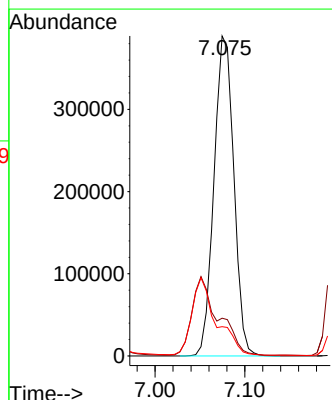
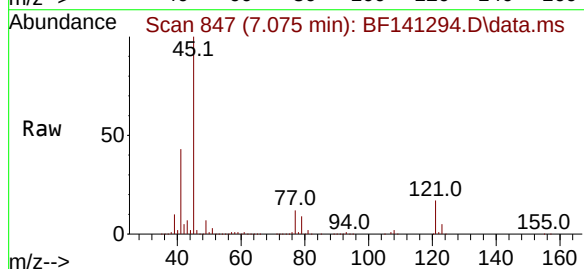
Tgt Ion: 45 Resp: 597590

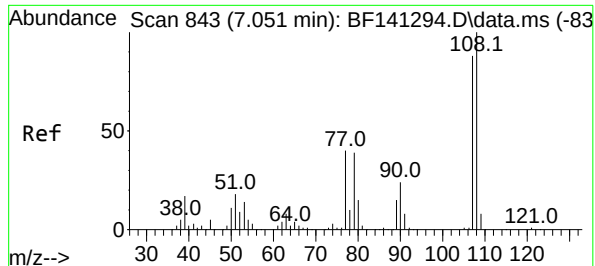
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.1 0.0 29.1

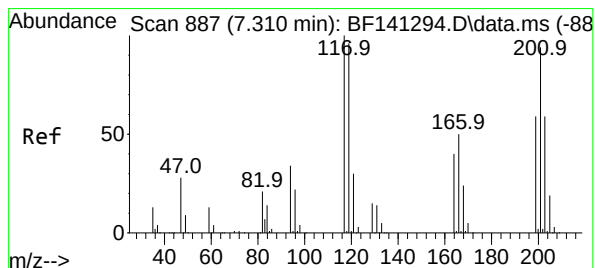
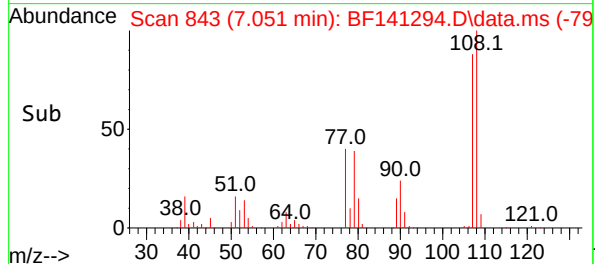
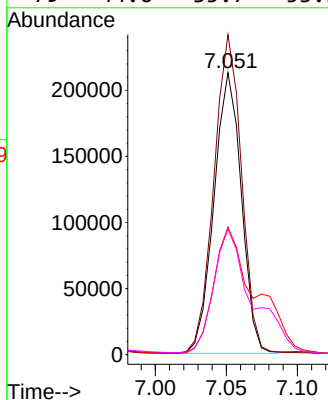
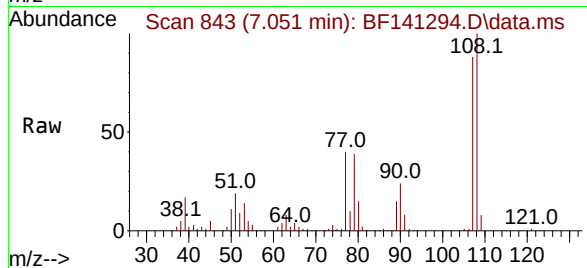




#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

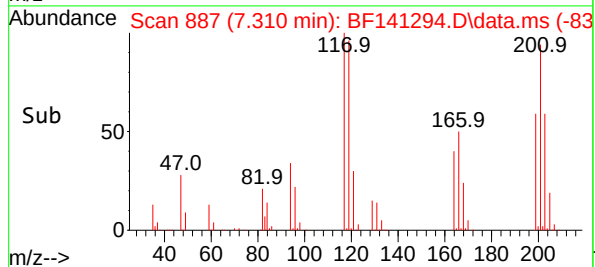
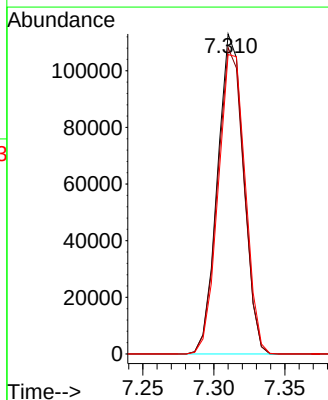
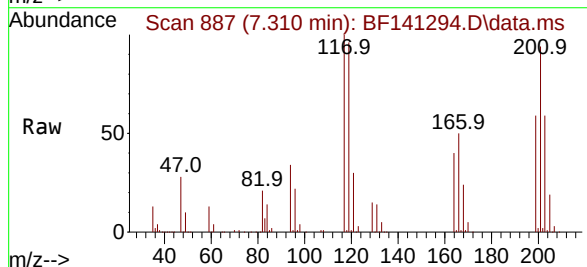
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

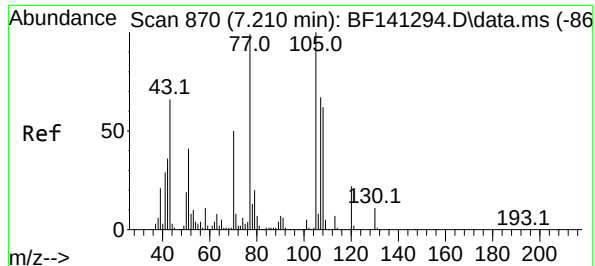
Tgt Ion:107 Resp: 284578
Ion Ratio Lower Upper
107 100
108 113.5 90.8 136.2
77 45.3 36.2 54.4
79 44.6 35.7 53.5



#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 93.5 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.524 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 244379

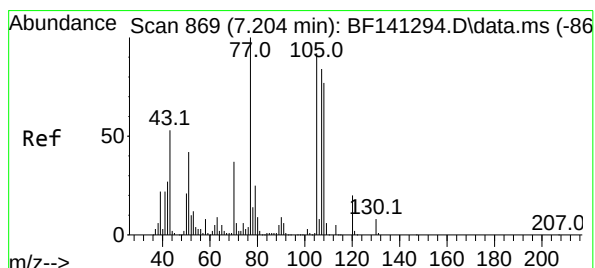
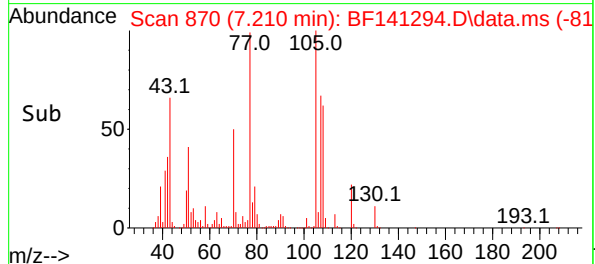
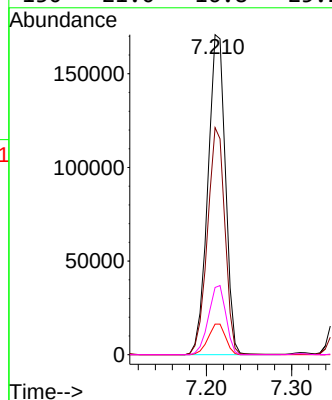
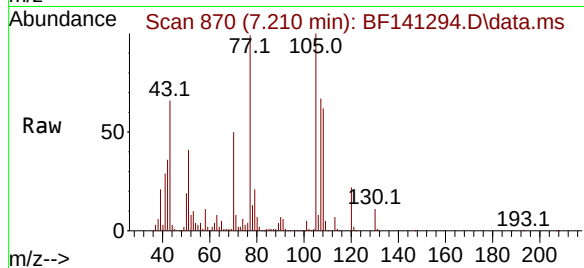
Ion Ratio Lower Upper

70 100

42 71.0 56.8 85.2

101 9.6 7.7 11.5

130 21.0 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.222 ng

RT: 7.204 min Scan# 869

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion: 107 Resp: 351248

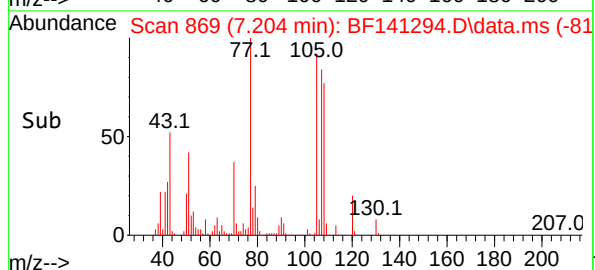
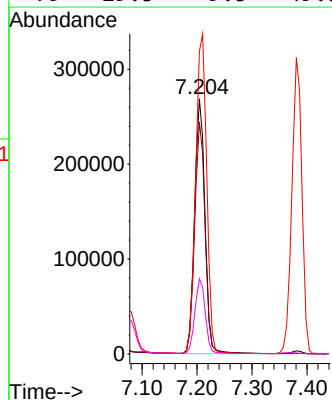
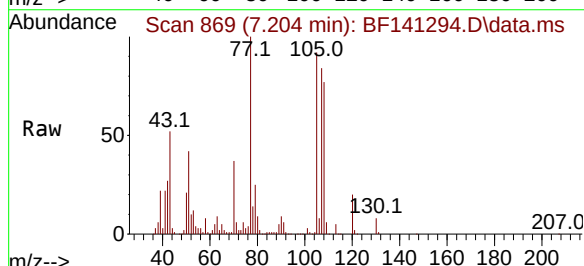
Ion Ratio Lower Upper

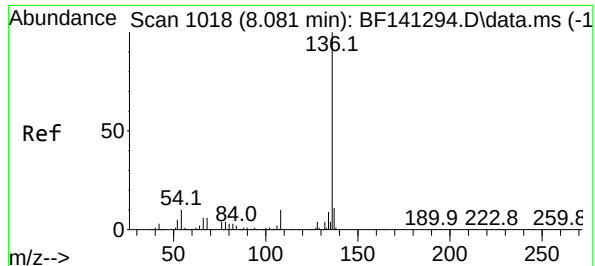
107 100

108 90.9 70.9 110.9

77 118.5 98.5 138.5

79 29.5 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 533326

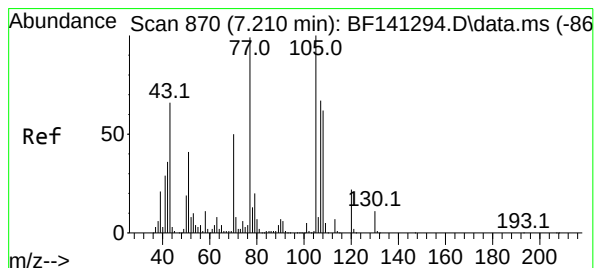
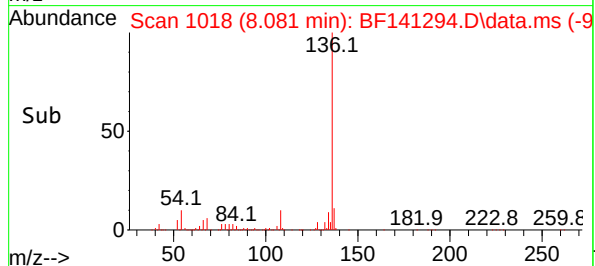
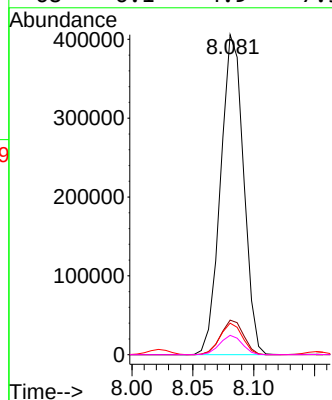
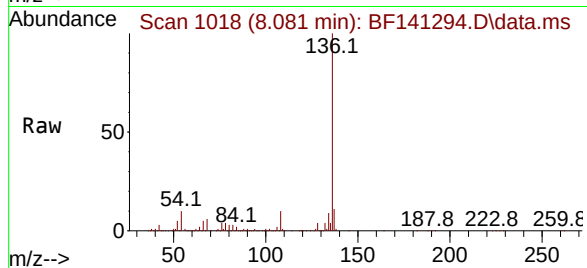
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.8 7.8 11.8

68 6.1 4.9 7.3



#22

Acetophenone

Concen: 36.793 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

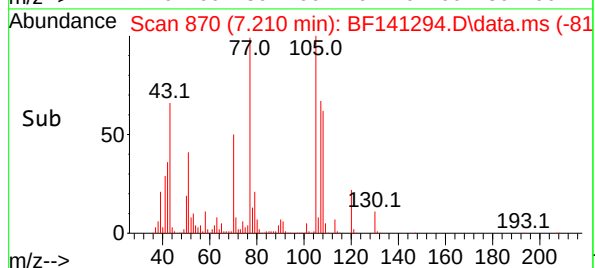
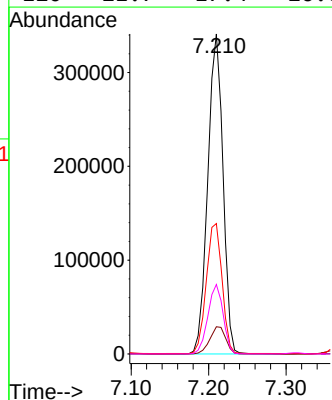
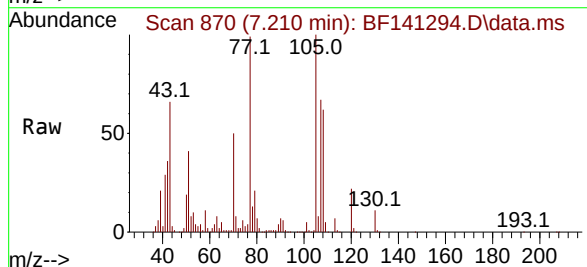
Ion Ratio Lower Upper

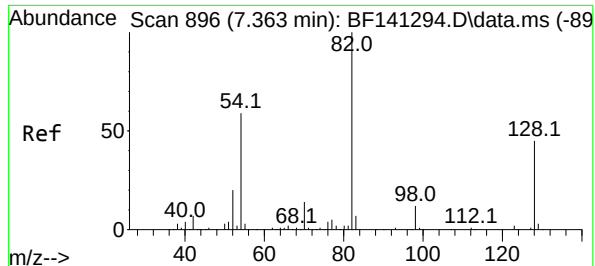
105 100

71 8.5 6.8 10.2

51 40.8 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 74.958 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

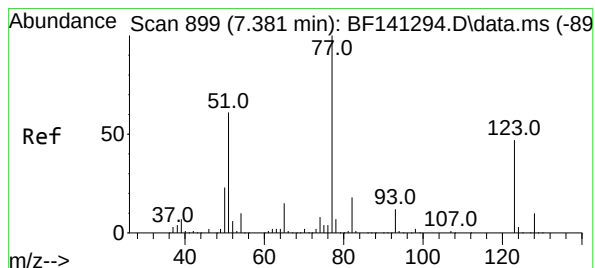
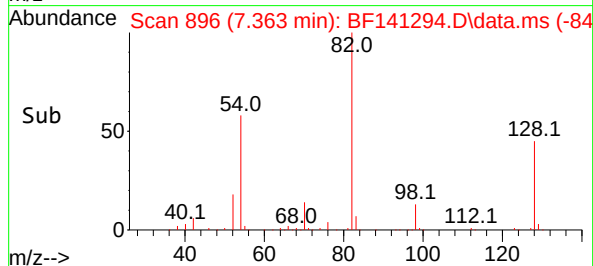
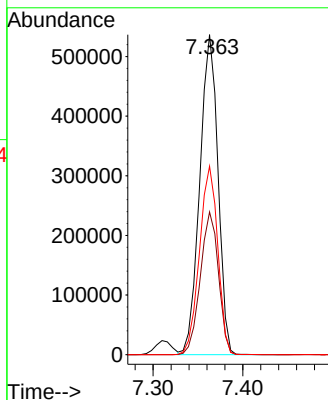
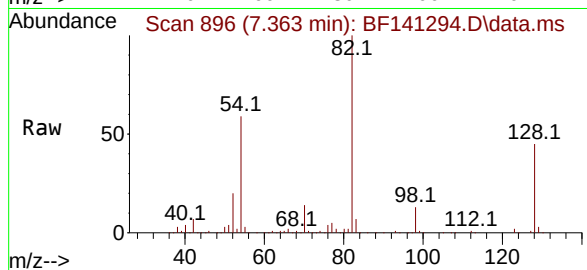
Tgt Ion: 82 Resp: 755539

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 58.9 47.1 70.7



#24

Nitrobenzene

Concen: 37.893 ng

RT: 7.381 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

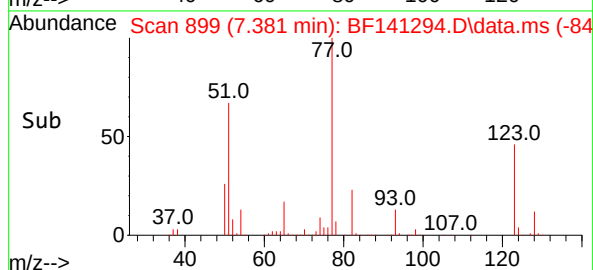
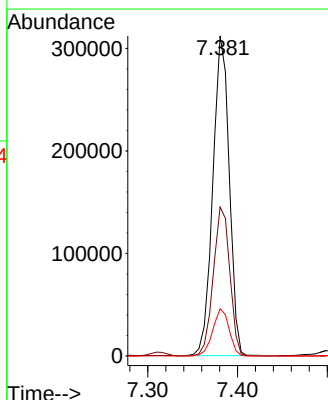
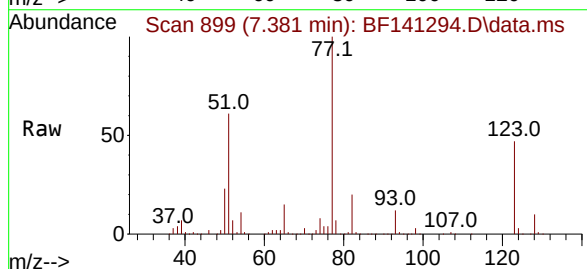
Tgt Ion: 77 Resp: 396149

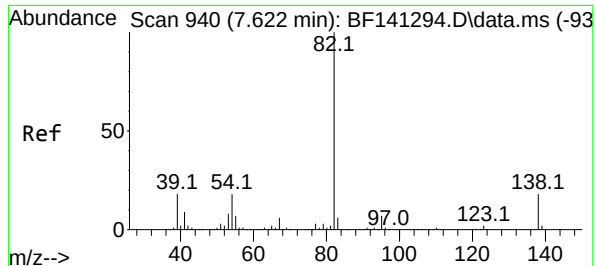
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.7 11.8 17.6

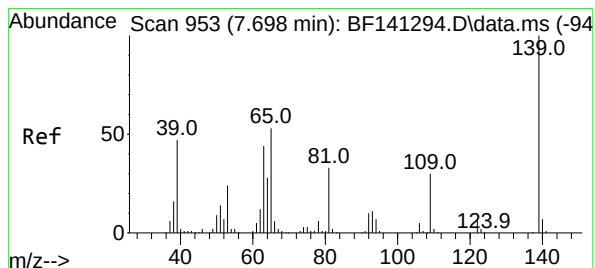
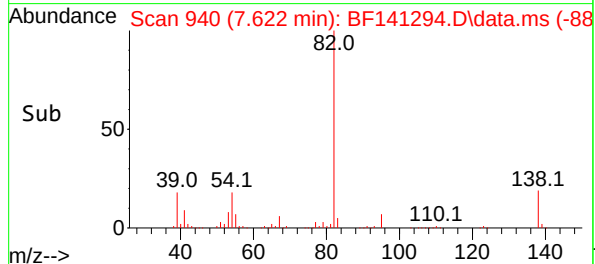
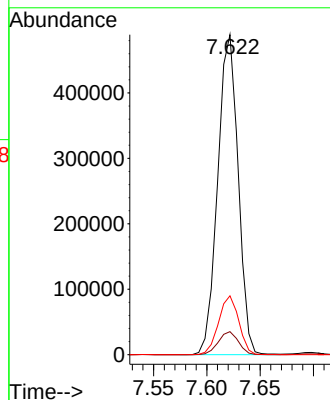
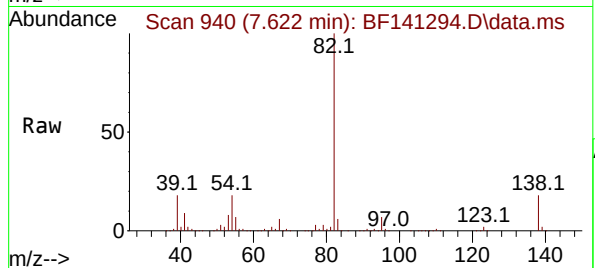




#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

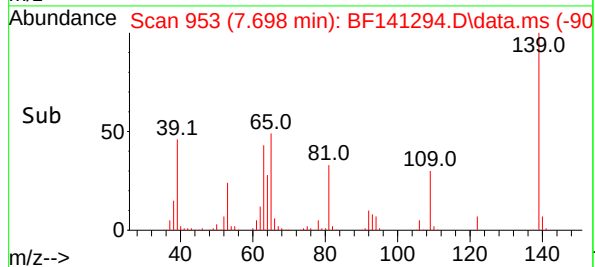
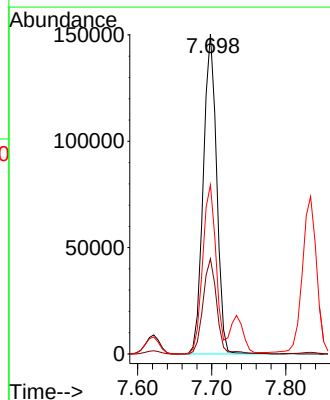
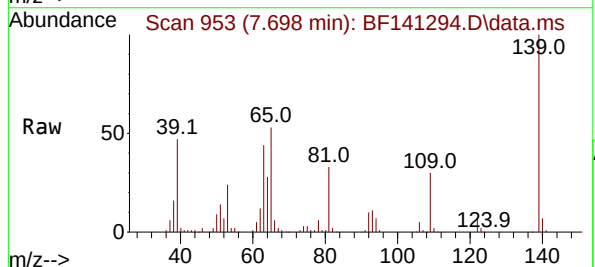
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

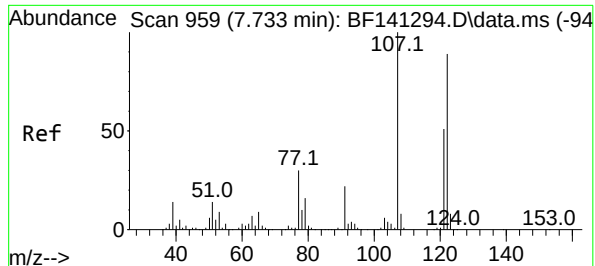
Tgt Ion: 82 Resp: 651994
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.4 14.7 22.1



#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 139 Resp: 188435
Ion Ratio Lower Upper
139 100
109 29.7 23.8 35.6
65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.255 ng

RT: 7.733 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

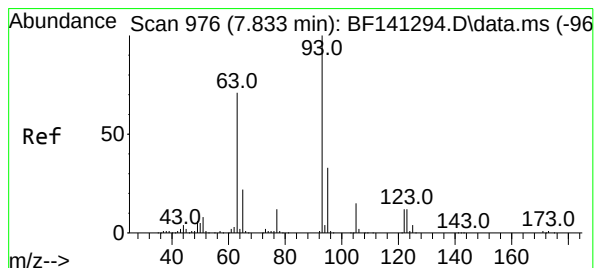
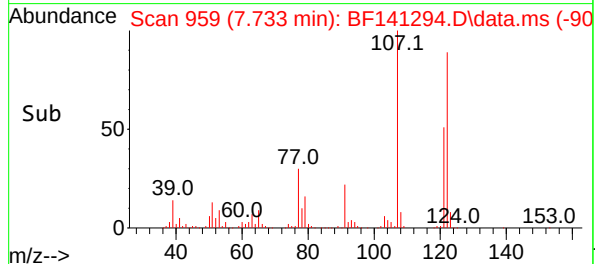
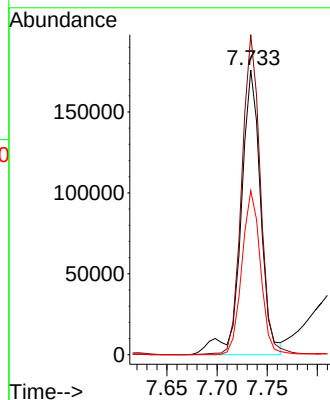
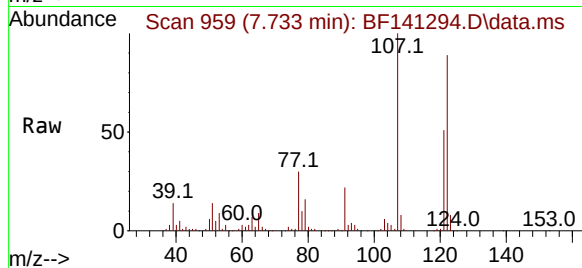
Tgt Ion:122 Resp: 239376

Ion Ratio Lower Upper

122 100

107 112.4 89.9 134.9

121 57.6 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 37.367 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

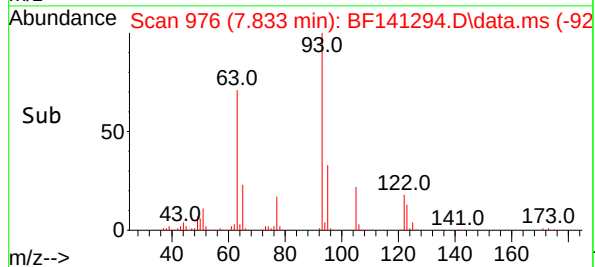
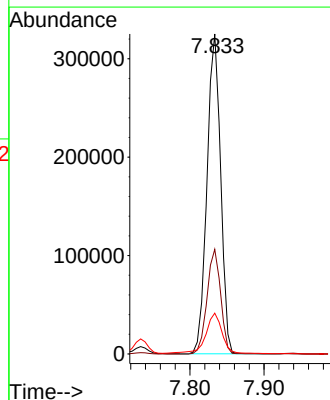
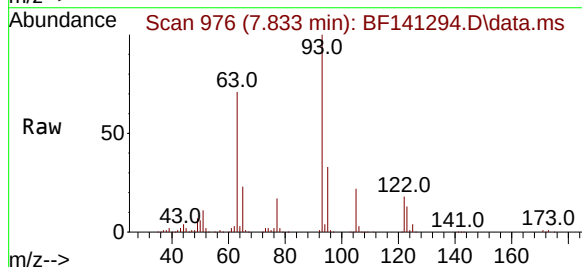
Tgt Ion: 93 Resp: 414781

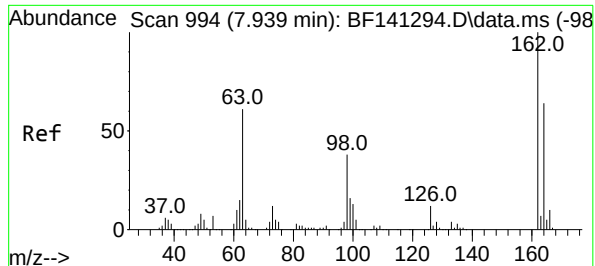
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.768 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

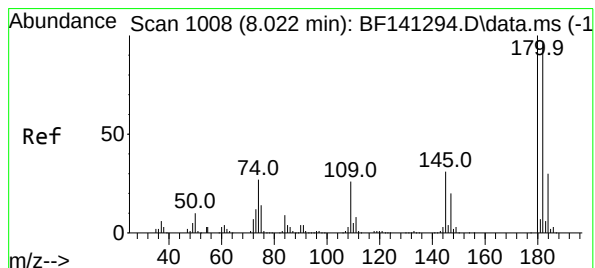
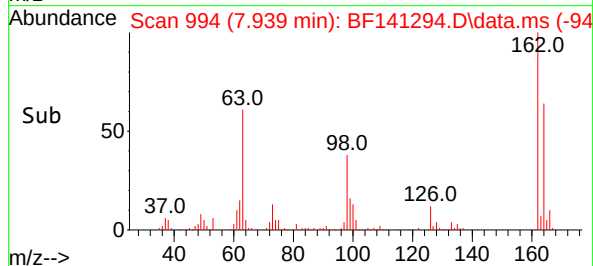
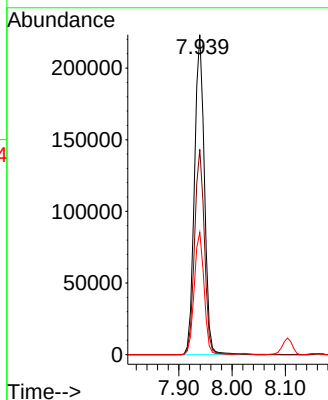
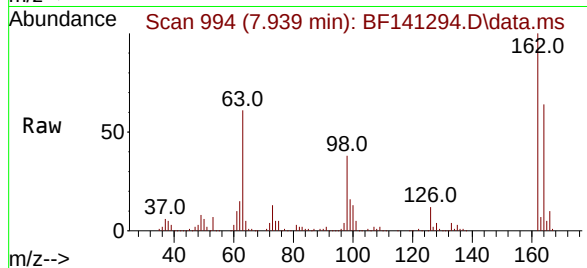
Tgt Ion:162 Resp: 288763

Ion Ratio Lower Upper

162 100

164 64.2 44.2 84.2

98 38.2 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.932 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

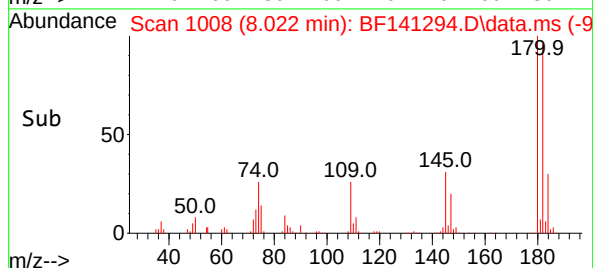
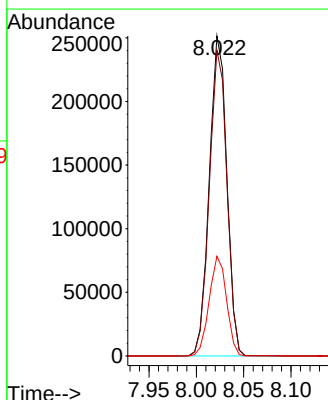
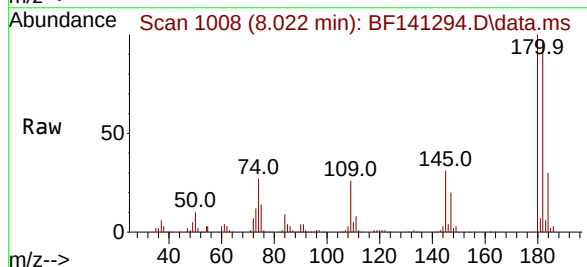
Tgt Ion:180 Resp: 323865

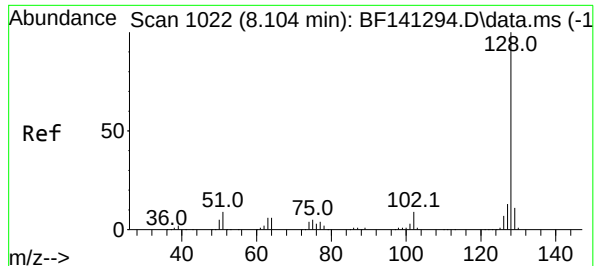
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

145 31.1 24.9 37.3





#31

Naphthalene

Concen: 37.116 ng

RT: 8.104 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

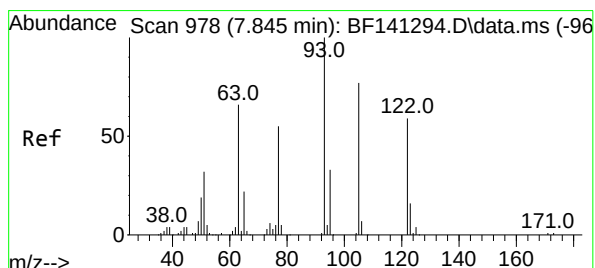
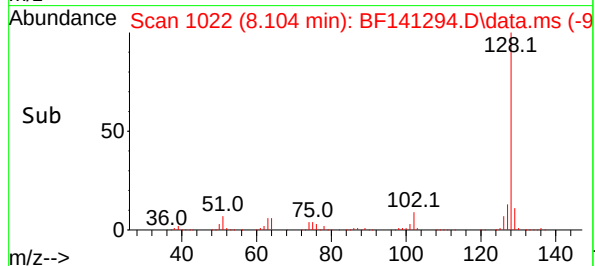
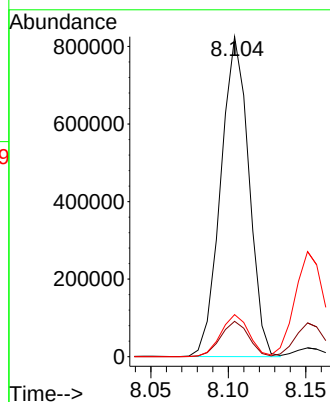
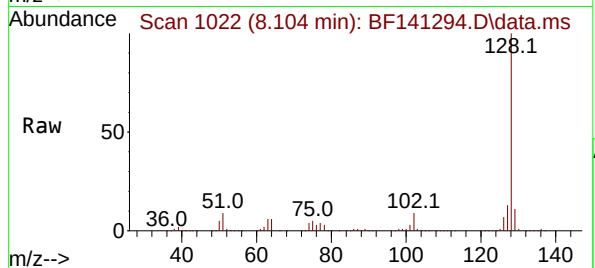
Tgt Ion:128 Resp: 1041107

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.459 ng

RT: 7.845 min Scan# 978

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

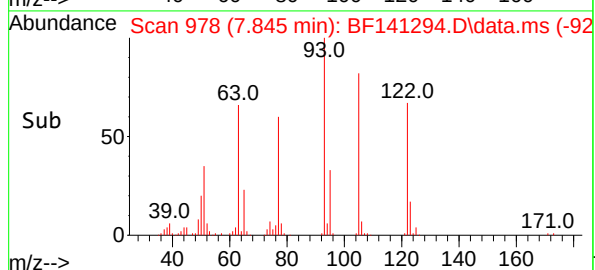
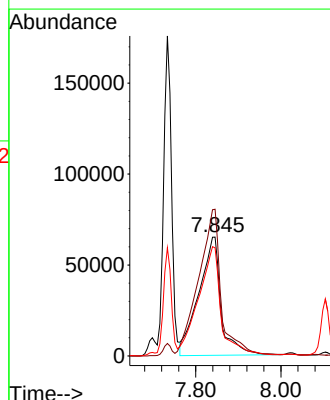
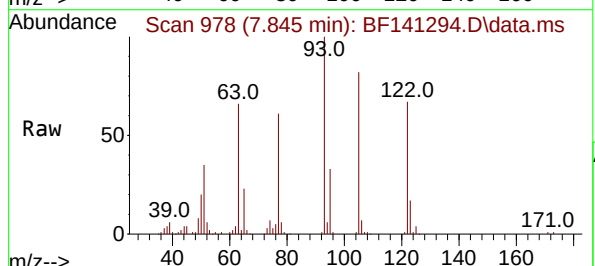
Tgt Ion:122 Resp: 235596

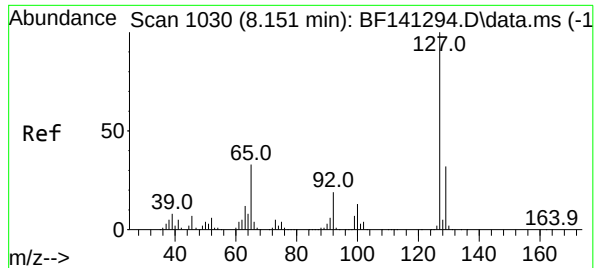
Ion Ratio Lower Upper

122 100

105 123.4 103.4 143.4

77 90.9 70.9 110.9

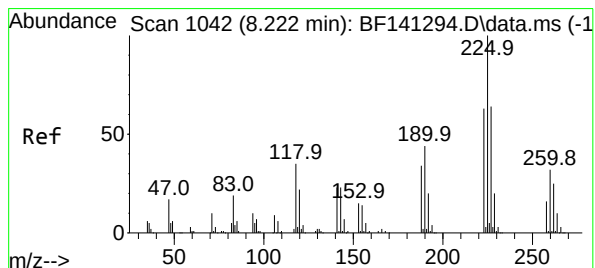
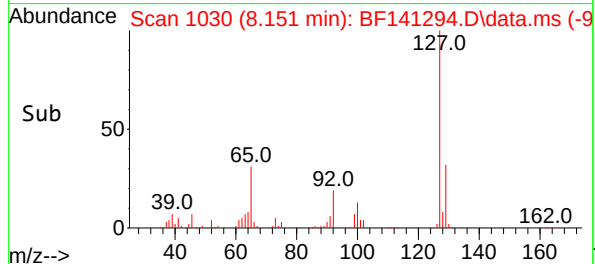
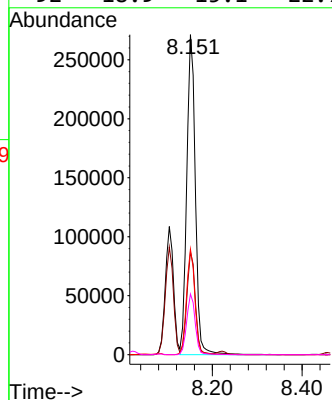
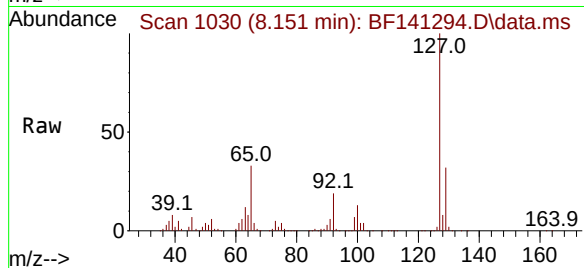




#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

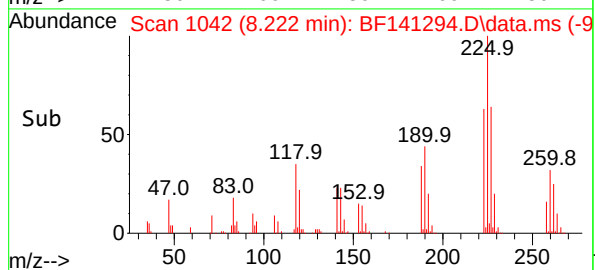
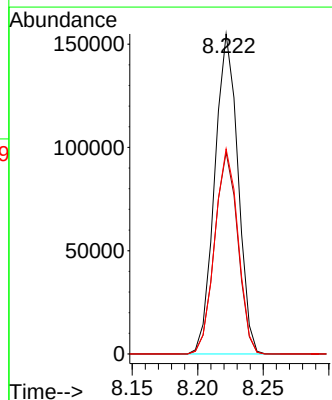
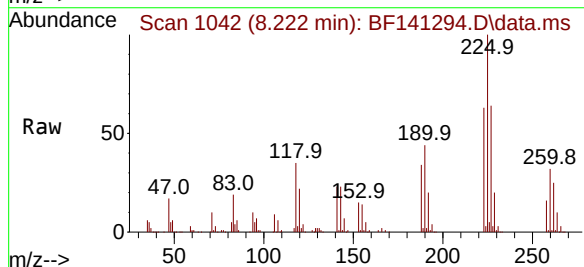
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

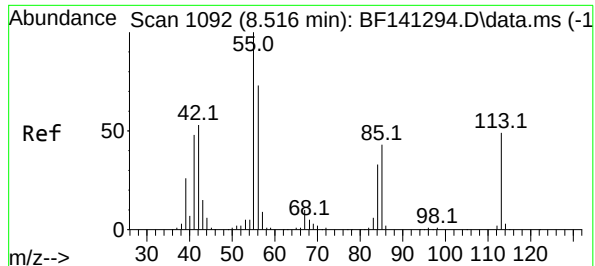
Tgt Ion:	127	Resp:	361001
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7



#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	225	Resp:	190772
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.1	51.3	76.9

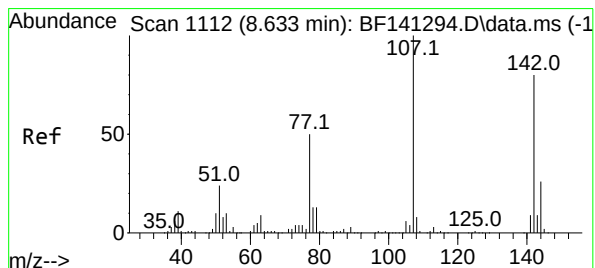
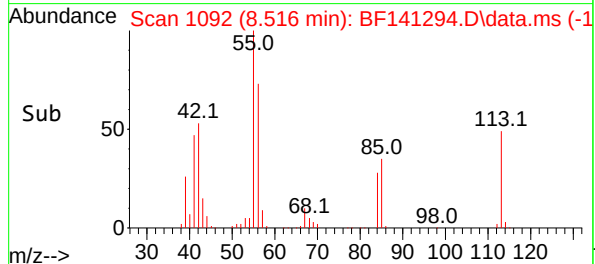
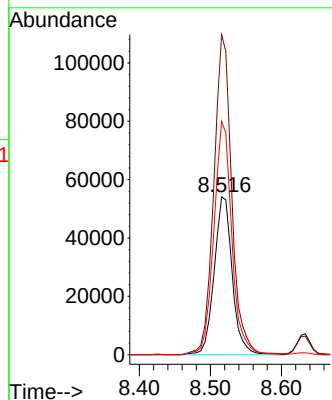
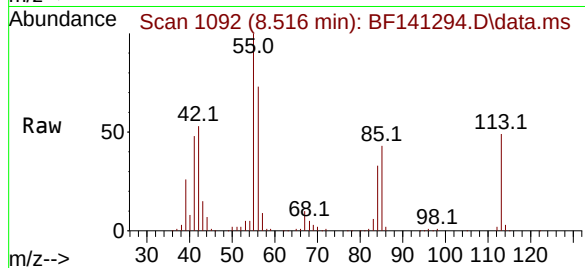




#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1092
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

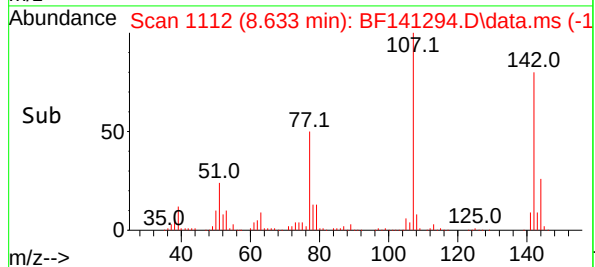
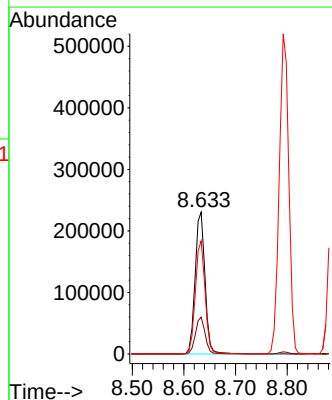
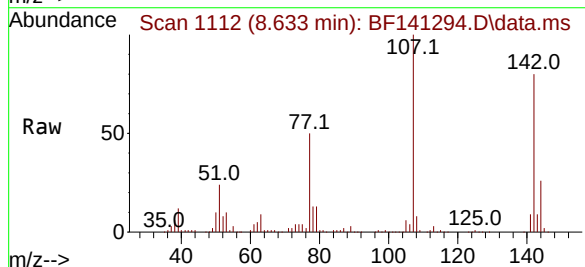
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

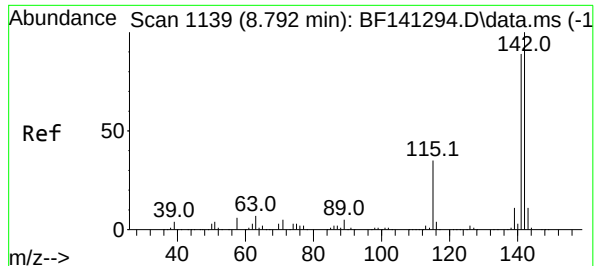
Tgt Ion	Ratio	Lower	Upper
113	100		
55	202.9	182.9	222.9
56	147.9	127.9	167.9



#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.7	31.1
142	79.8	63.8	95.8

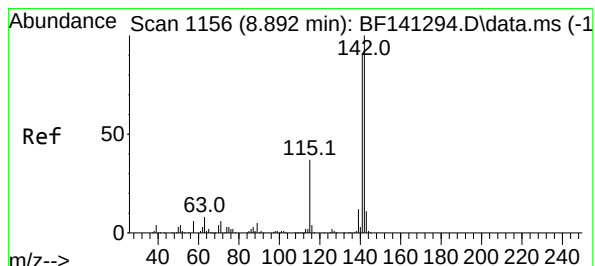
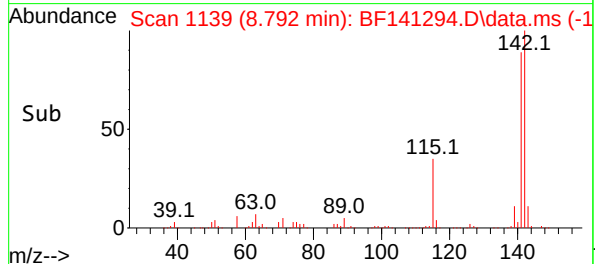
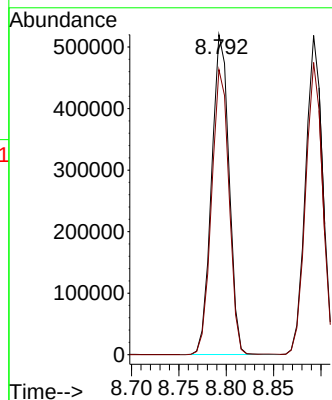
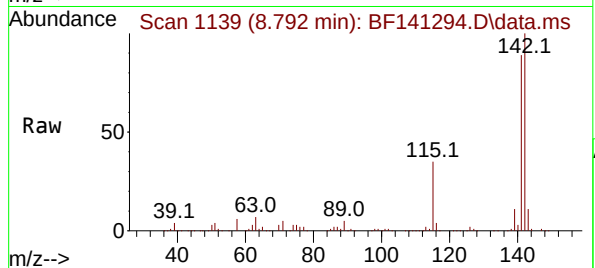




#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

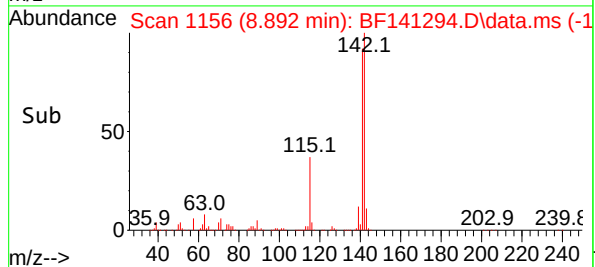
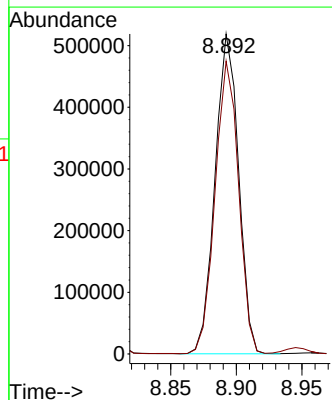
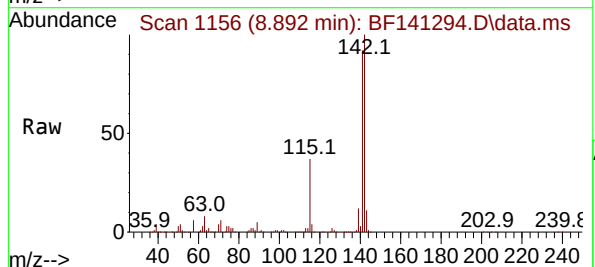
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

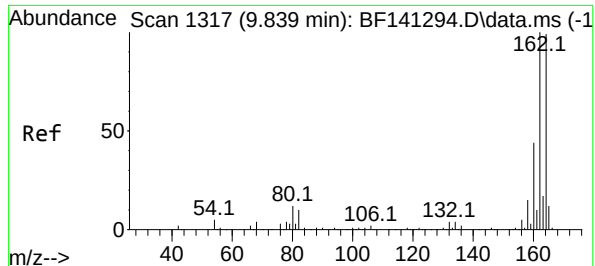
Tgt Ion:142 Resp: 666038
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346
Ion Ratio Lower Upper
142 100
141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

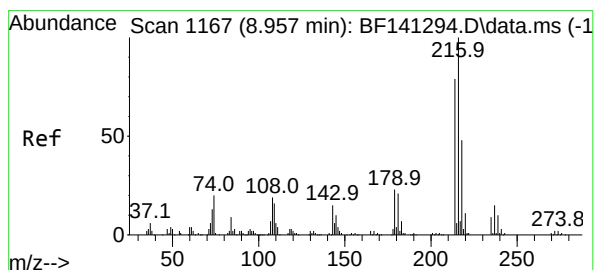
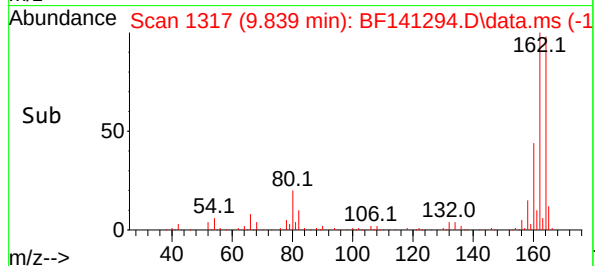
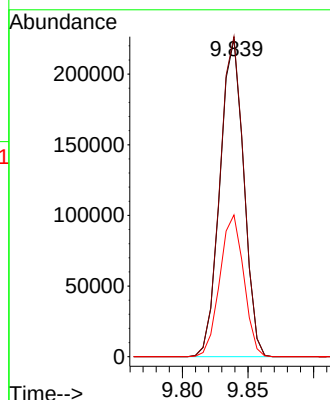
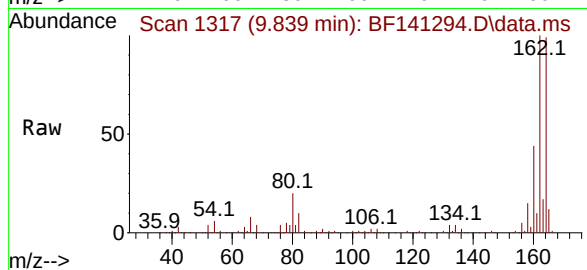
Tgt Ion:164 Resp: 282995

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

160 44.7 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.591 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

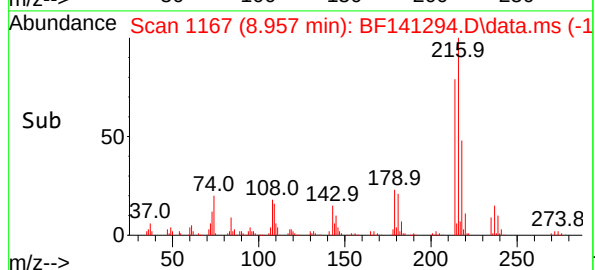
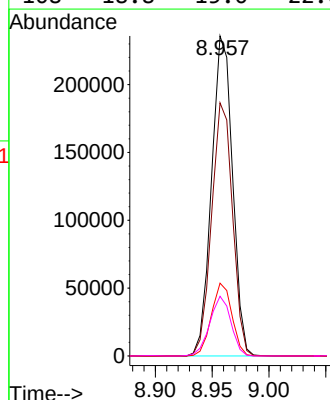
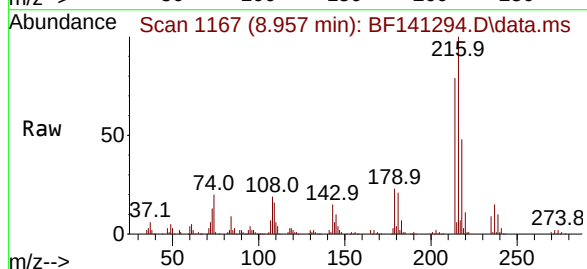
Ion Ratio Lower Upper

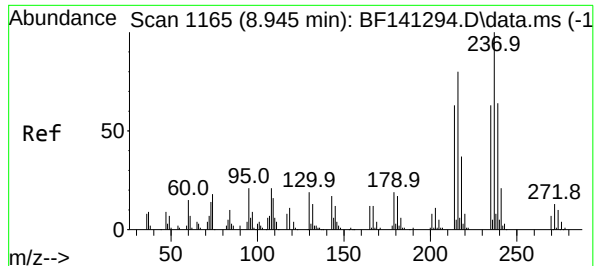
216 100

214 79.0 63.2 94.8

179 22.3 17.8 26.8

108 18.8 15.0 22.6

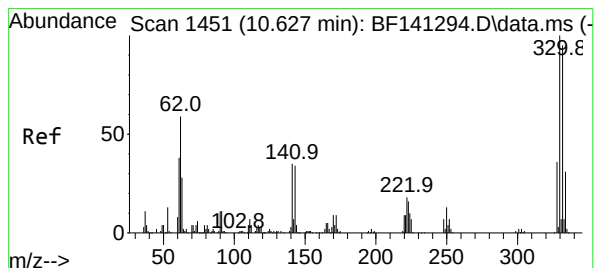
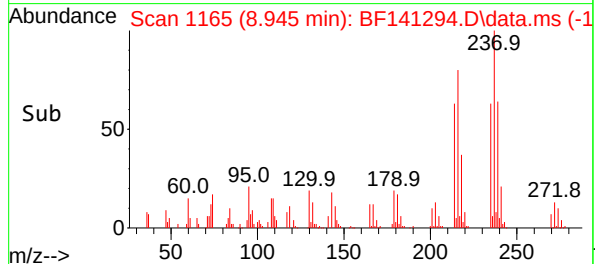
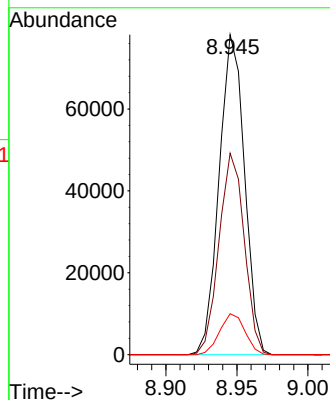
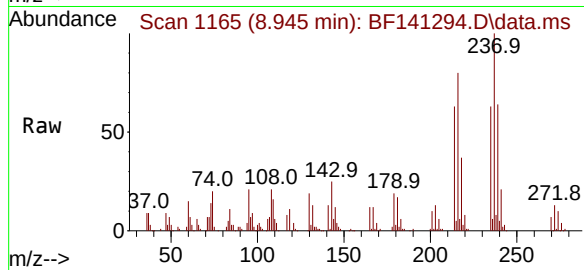




#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

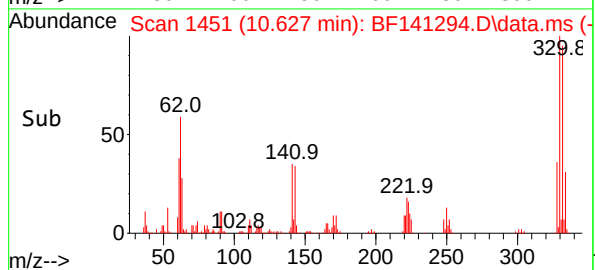
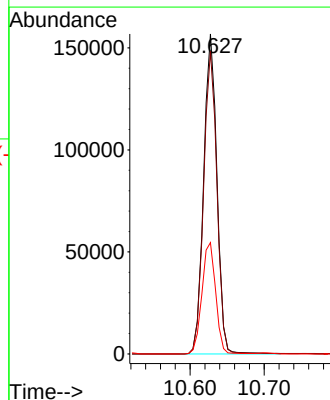
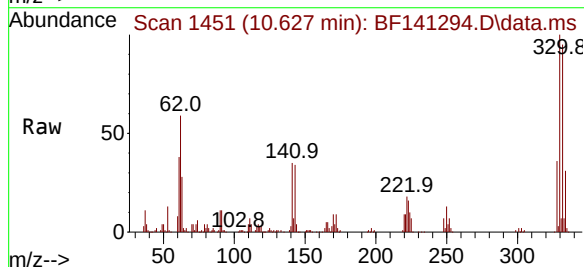
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

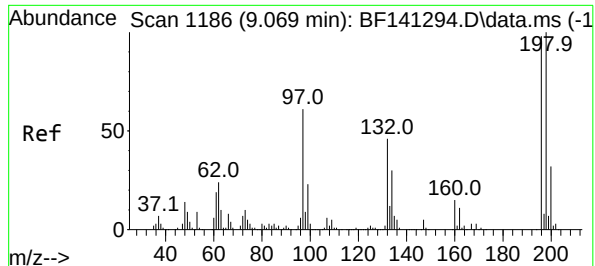
Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8



#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 39.181 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141294.D

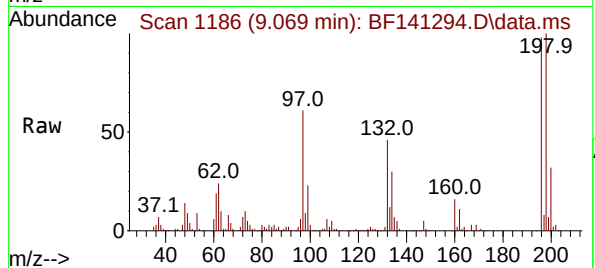
Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



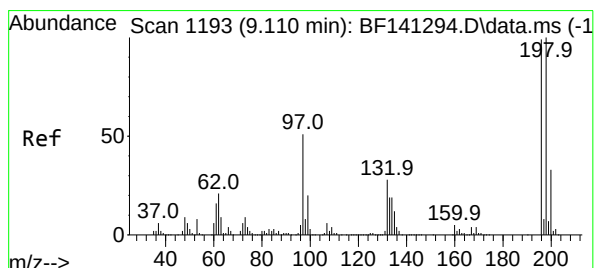
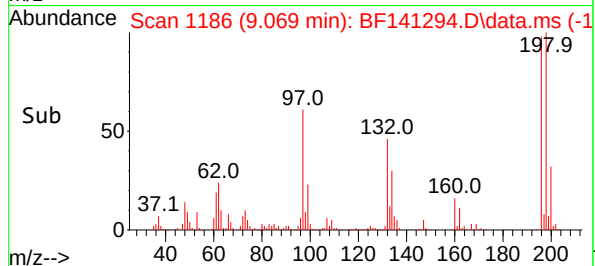
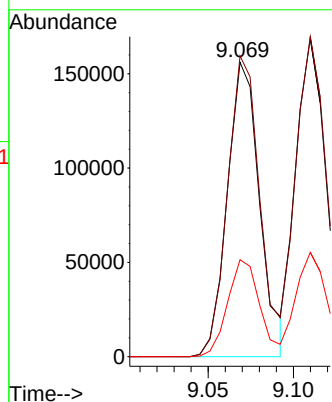
Tgt Ion:196 Resp: 205797

Ion Ratio Lower Upper

196 100

198 102.2 81.8 122.6

200 32.9 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.346 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

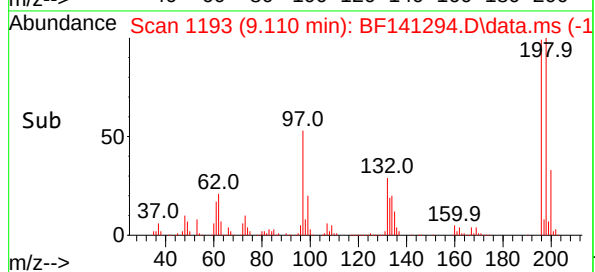
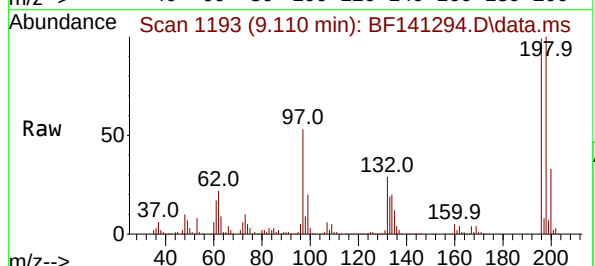
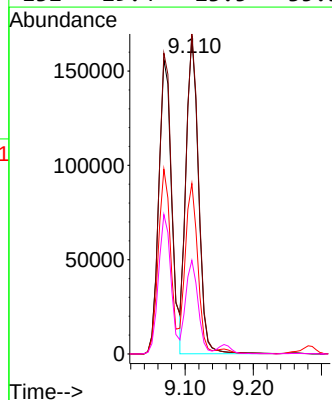
Ion Ratio Lower Upper

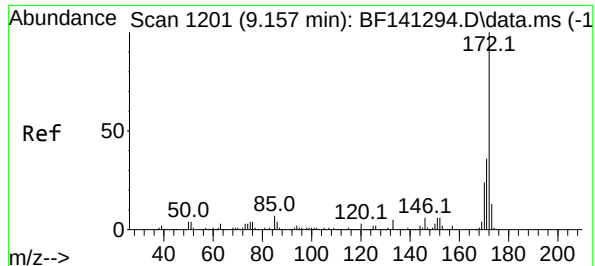
196 100

198 100.6 80.5 120.7

97 53.5 42.8 64.2

132 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 73.029 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

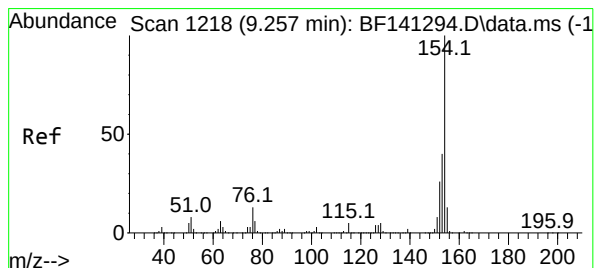
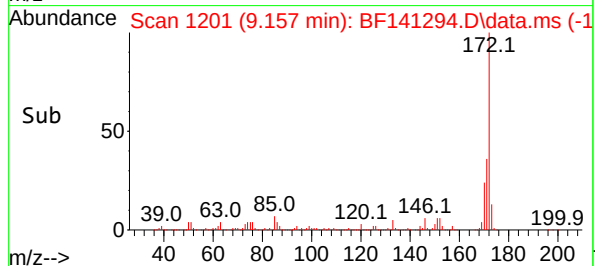
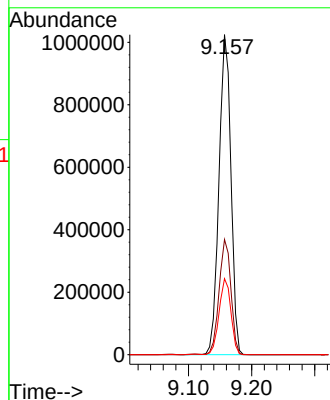
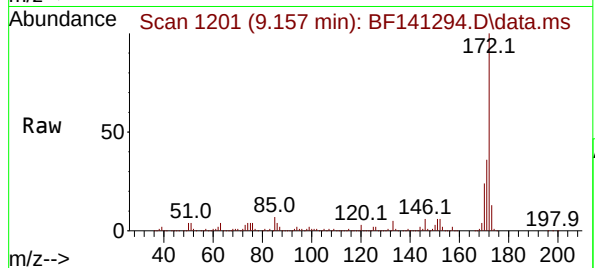
Tgt Ion:172 Resp: 1339709

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.278 ng

RT: 9.257 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

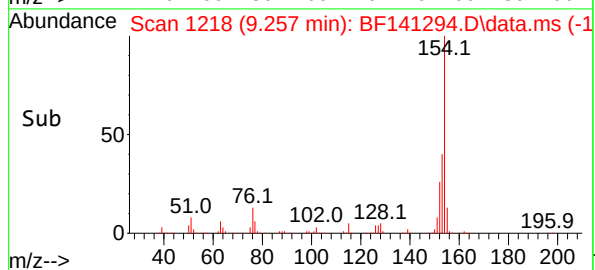
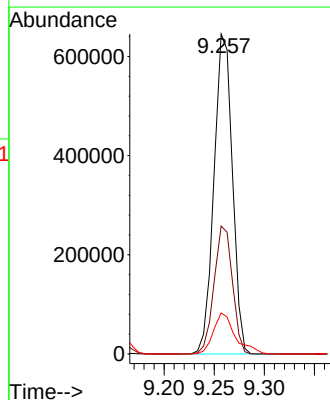
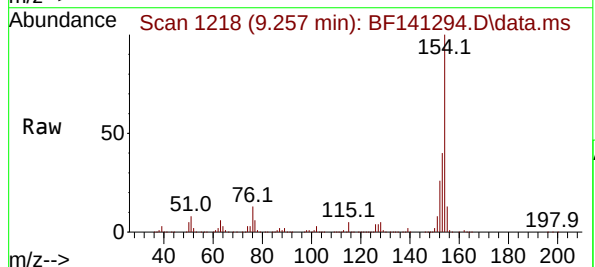
Tgt Ion:154 Resp: 823004

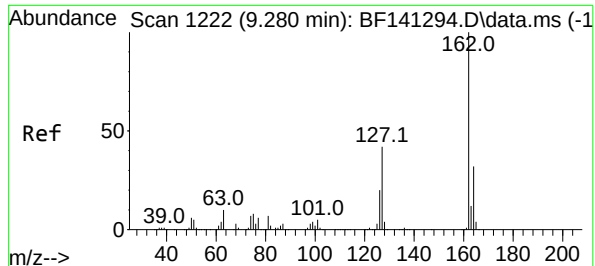
Ion Ratio Lower Upper

154 100

153 40.0 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 37.020 ng

RT: 9.280 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

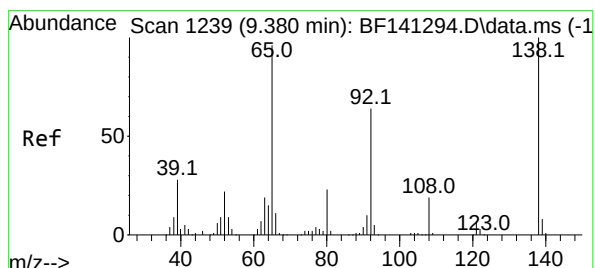
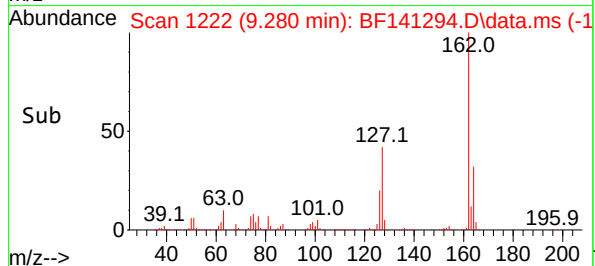
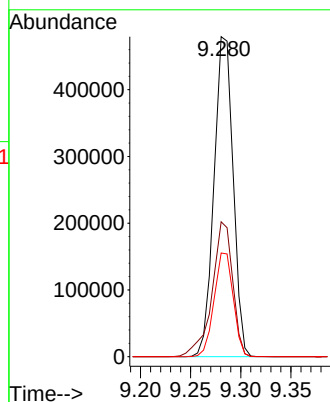
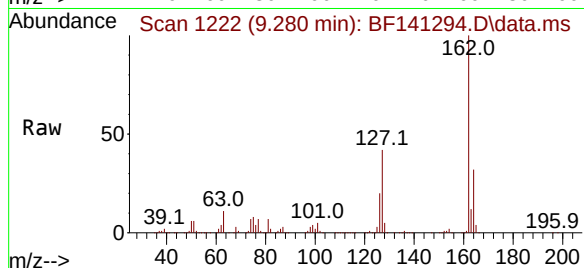
Tgt Ion:162 Resp: 634814

Ion Ratio Lower Upper

162 100

127 42.1 33.7 50.5

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 38.089 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

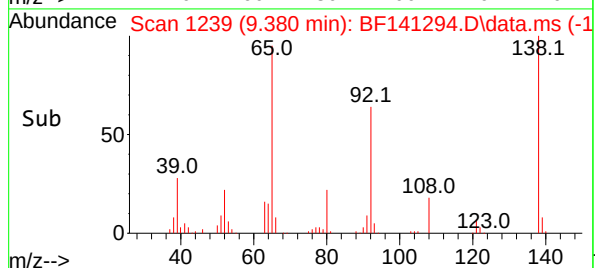
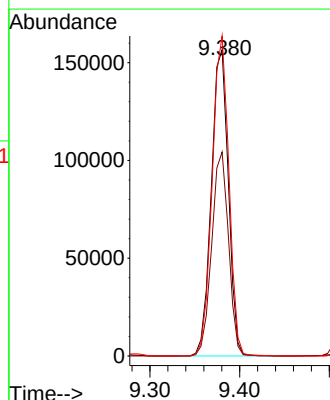
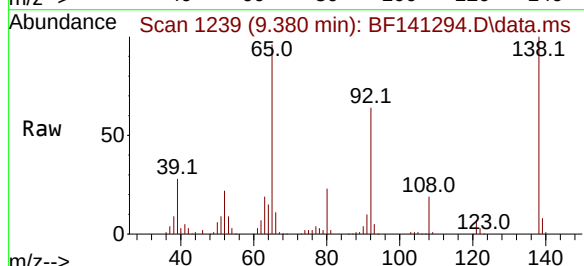
Tgt Ion: 65 Resp: 205997

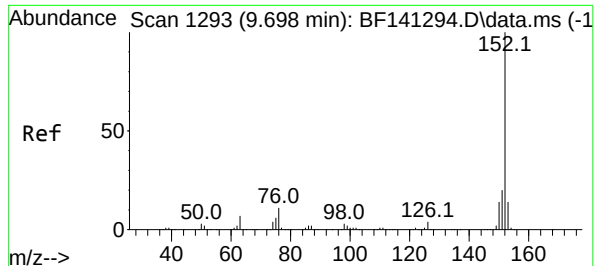
Ion Ratio Lower Upper

65 100

92 66.6 53.3 79.9

138 104.5 83.6 125.4





#49

Acenaphthylene

Concen: 37.483 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

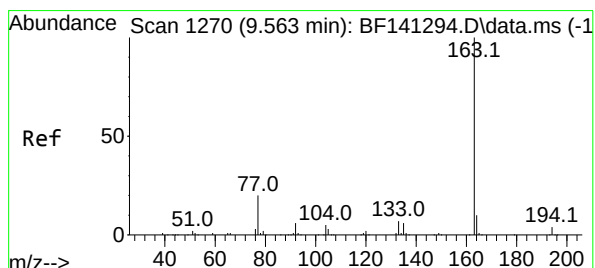
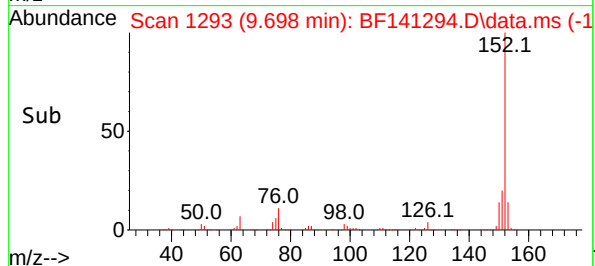
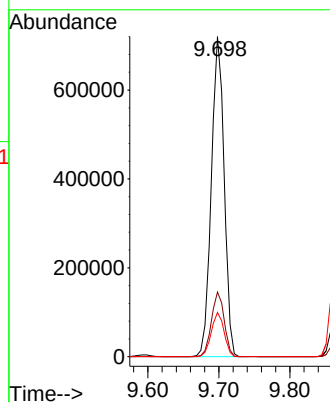
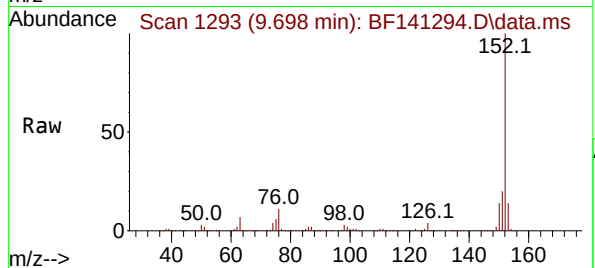
Tgt Ion:152 Resp: 902715

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.8 11.0 16.6



#50

Dimethylphthalate

Concen: 36.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

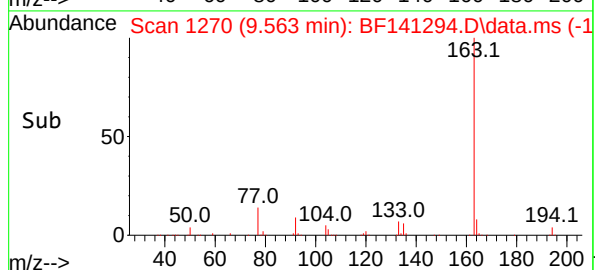
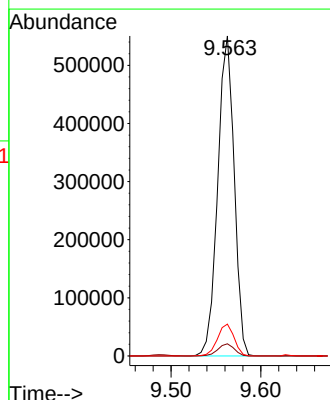
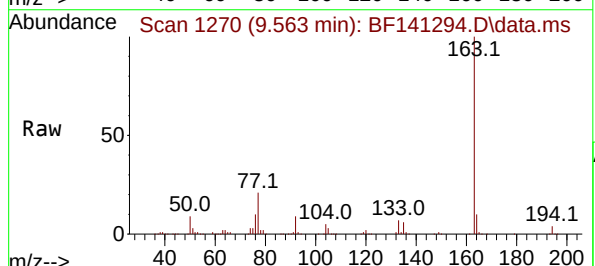
Tgt Ion:163 Resp: 701107

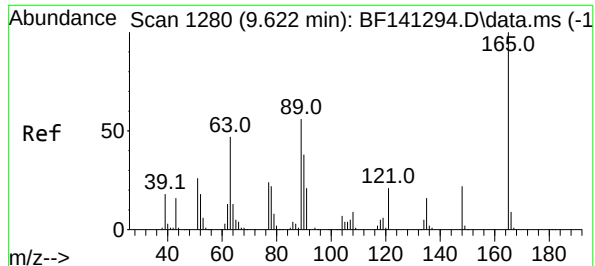
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.0 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 37.909 ng

RT: 9.622 min Scan# 1280

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

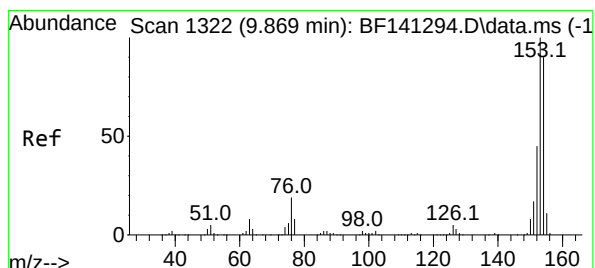
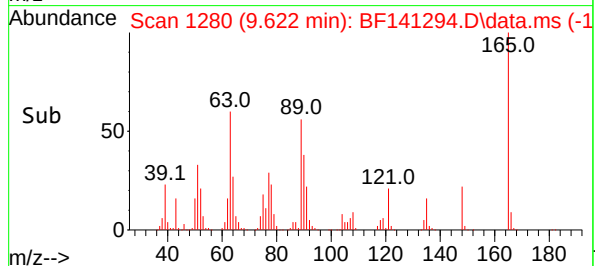
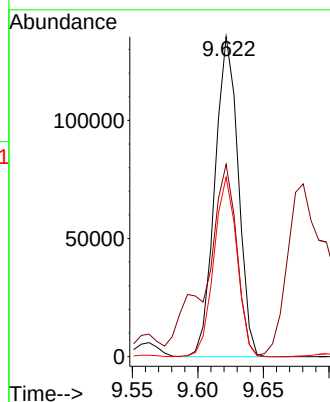
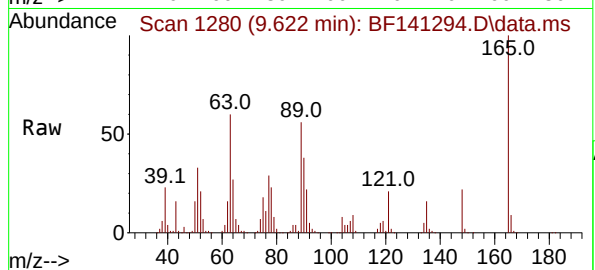
Tgt Ion:165 Resp: 167409

Ion Ratio Lower Upper

165 100

63 60.1 48.1 72.1

89 56.1 44.9 67.3



#52

Acenaphthene

Concen: 37.266 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

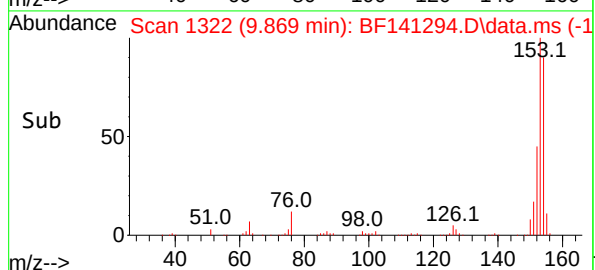
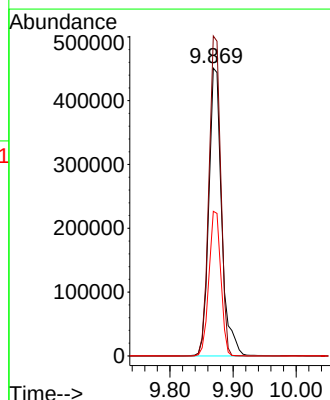
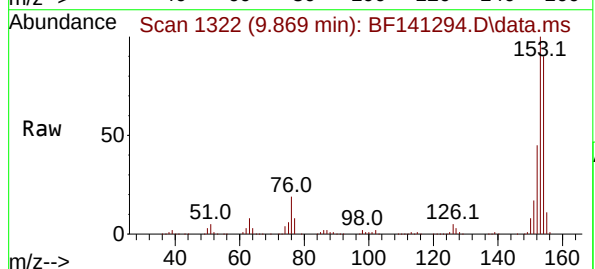
Tgt Ion:154 Resp: 638597

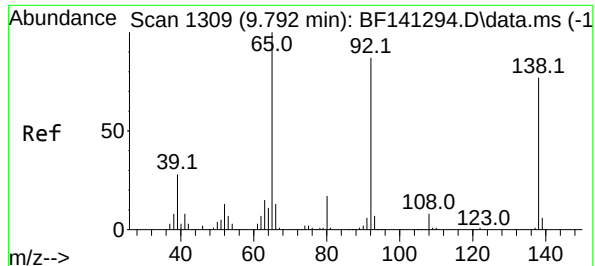
Ion Ratio Lower Upper

154 100

153 111.2 89.0 133.4

152 50.3 40.2 60.4





#53

3-Nitroaniline

Concen: 39.240 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

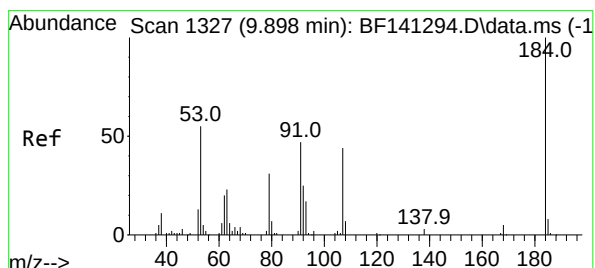
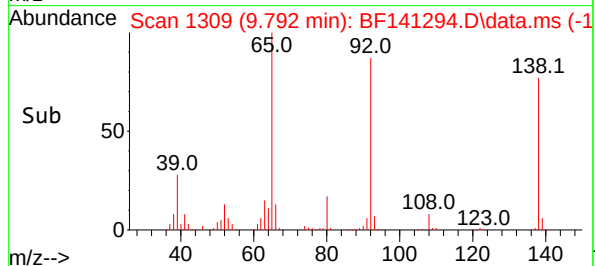
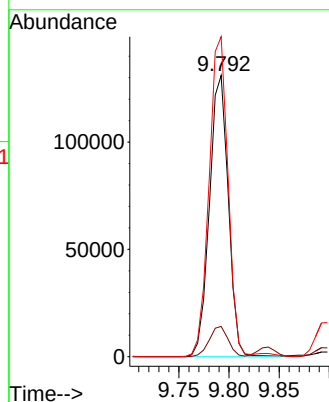
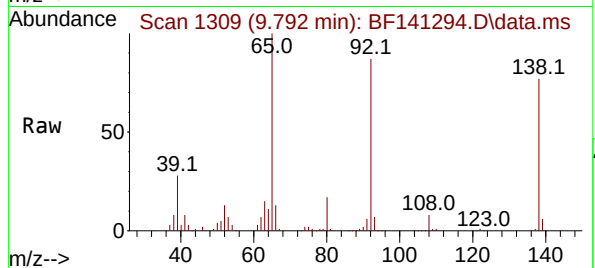
Tgt Ion:138 Resp: 171409

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 113.8 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 40.011 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

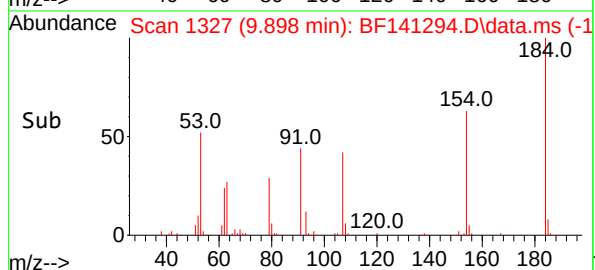
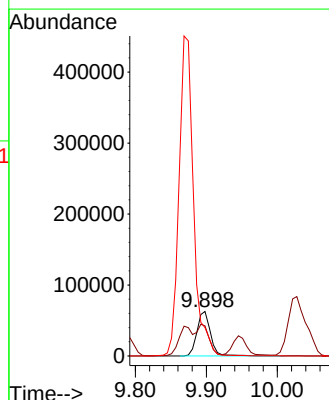
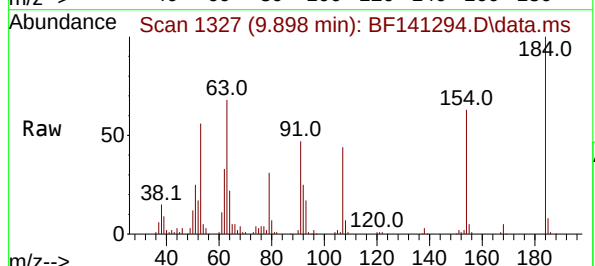
Tgt Ion:184 Resp: 83282

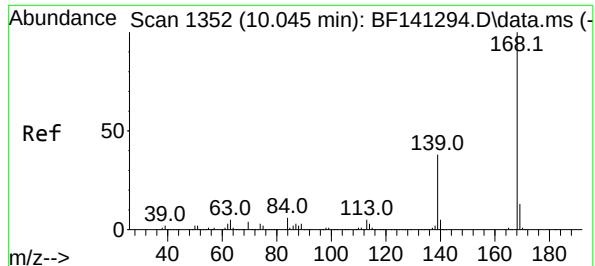
Ion Ratio Lower Upper

184 100

63 67.6 54.1 81.1

154 63.4 50.7 76.1





#55

Dibenzenofuran

Concen: 37.490 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

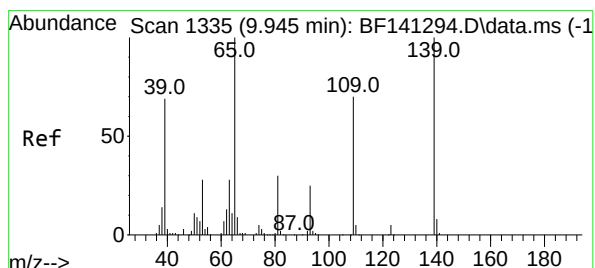
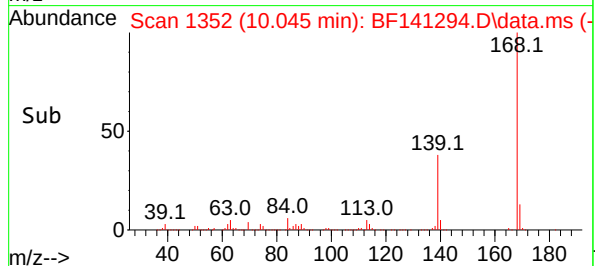
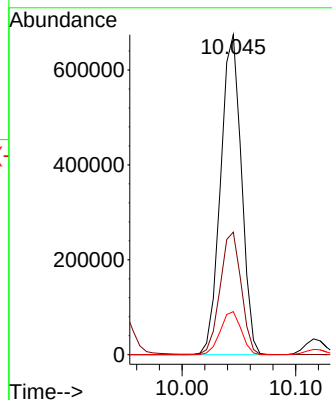
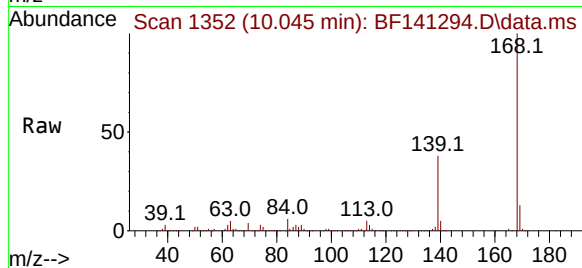
Tgt Ion:168 Resp: 859175

Ion Ratio Lower Upper

168 100

139 38.3 30.6 46.0

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 40.349 ng

RT: 9.945 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

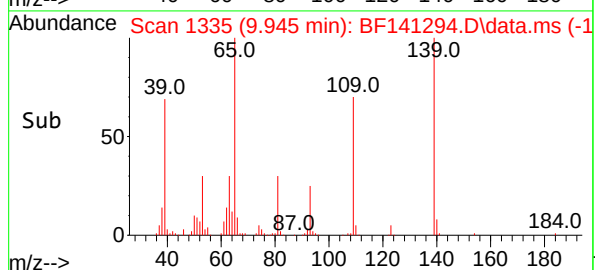
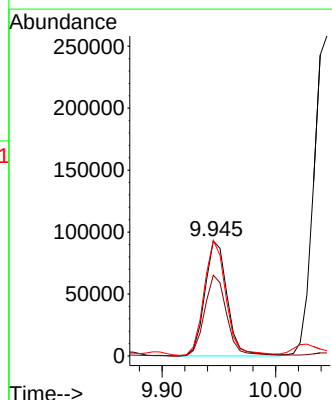
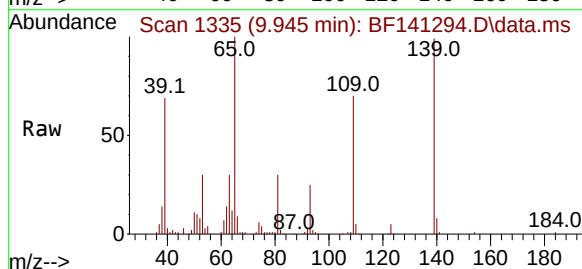
Tgt Ion:139 Resp: 126536

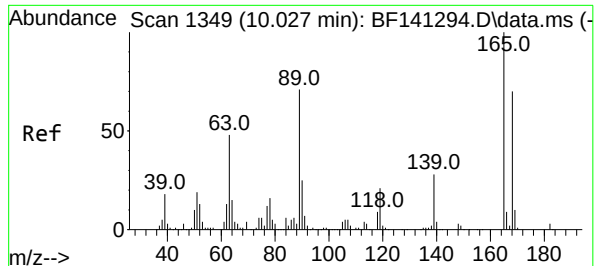
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

65 100.6 80.6 120.6

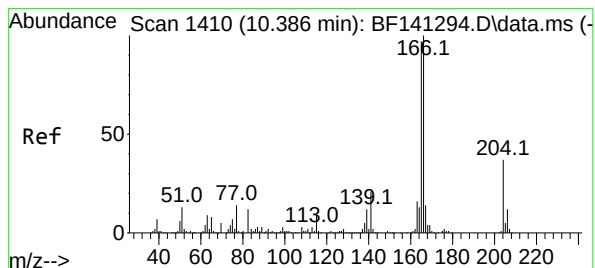
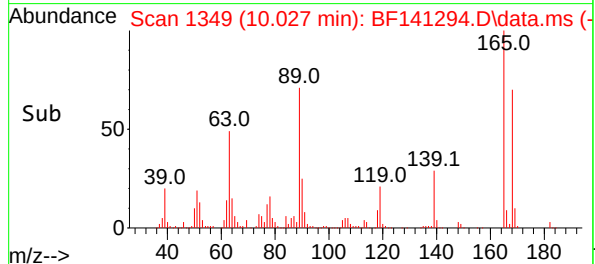
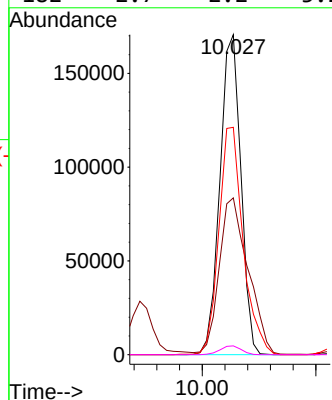
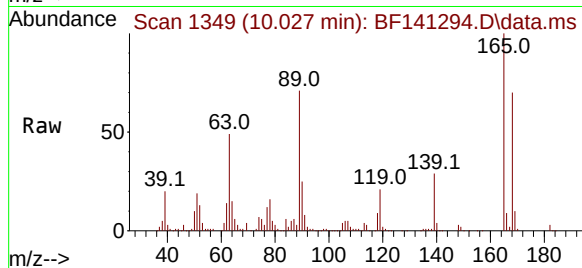




#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

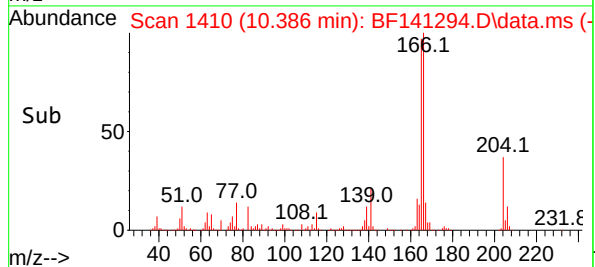
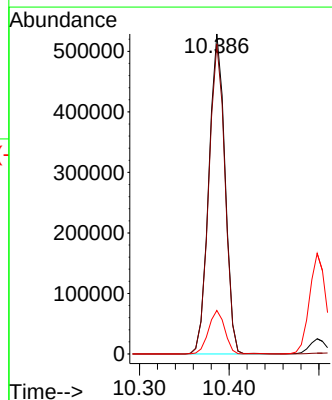
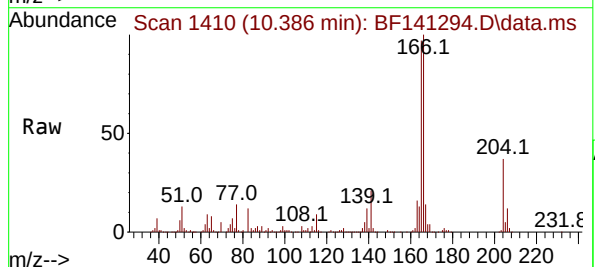
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

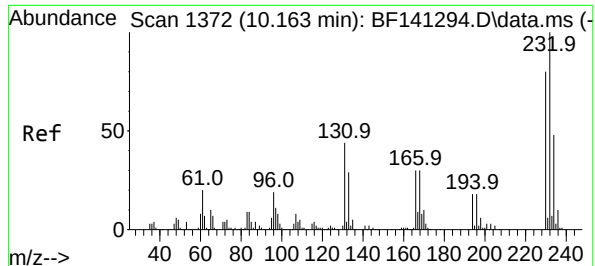
Tgt Ion:165 Resp: 218627
Ion Ratio Lower Upper
165 100
63 49.0 39.2 58.8
89 71.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3

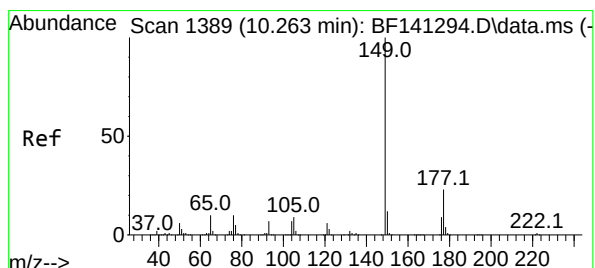
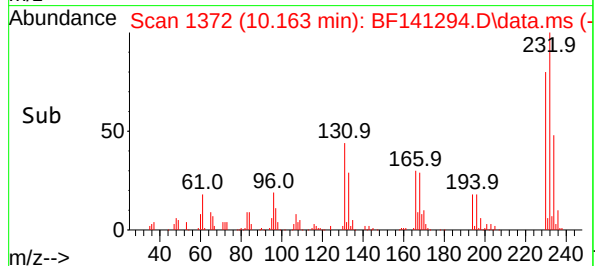
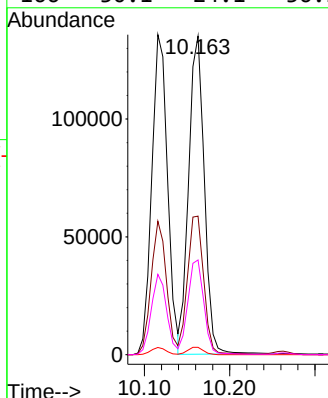
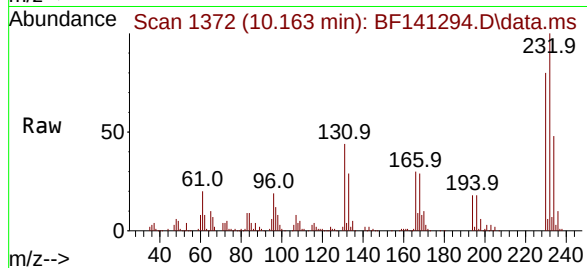




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

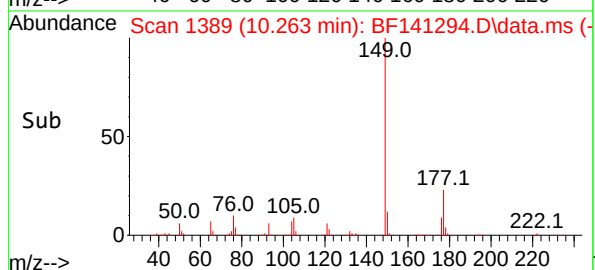
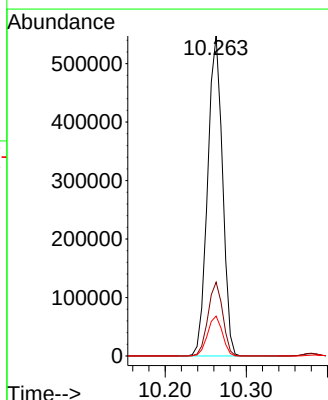
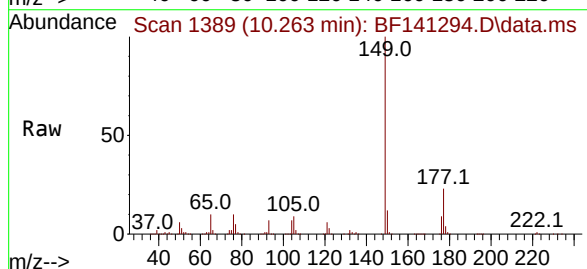
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

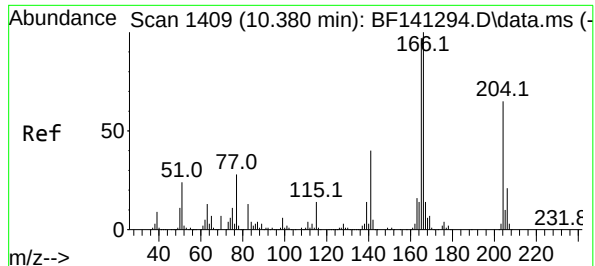
Tgt Ion:232 Resp: 172174
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.4 1.9 2.9
166 30.1 24.1 36.1



#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066
Ion Ratio Lower Upper
149 100
177 23.1 18.5 27.7
150 12.5 10.0 15.0

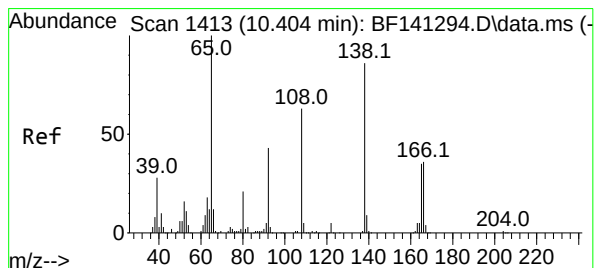
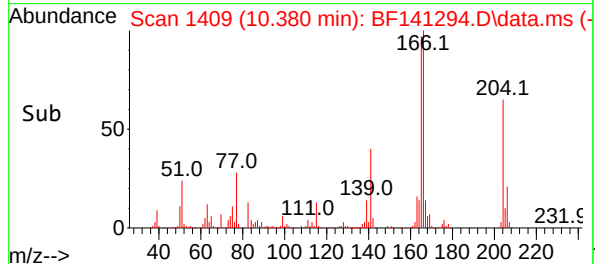
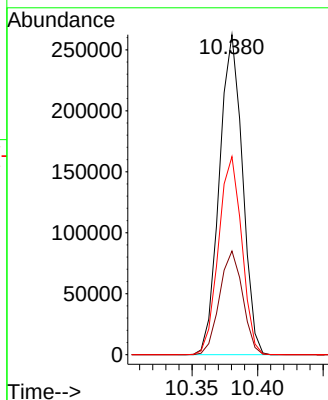
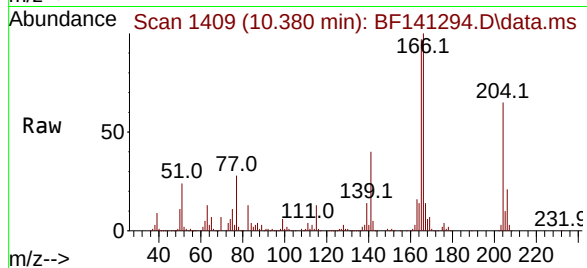




#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

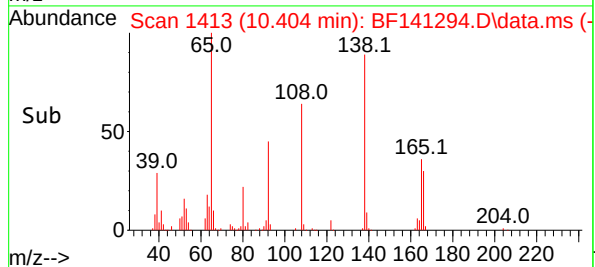
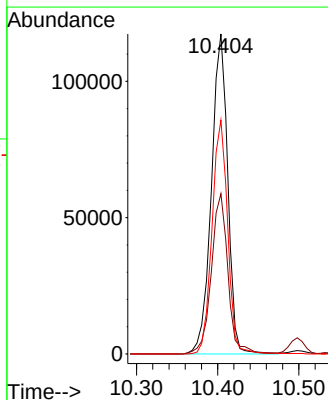
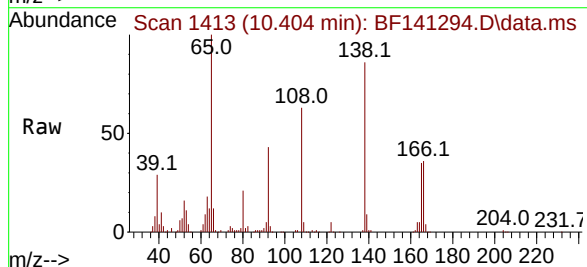
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

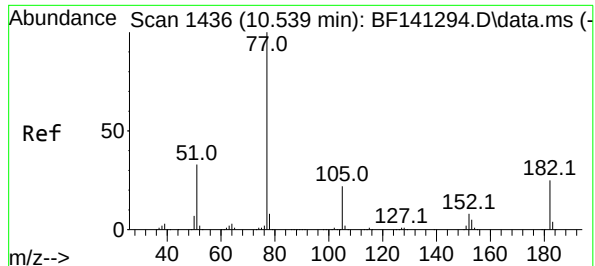
Tgt Ion:204 Resp: 321112
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 61.9 49.5 74.3



#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154
Ion Ratio Lower Upper
138 100
92 50.1 30.1 70.1
108 73.1 53.1 93.1

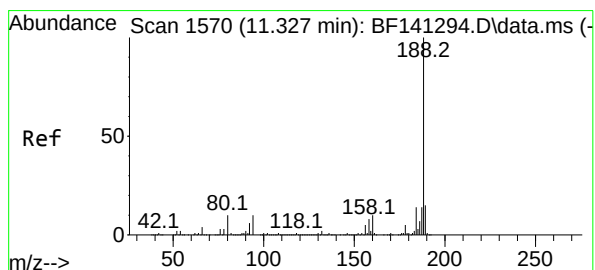
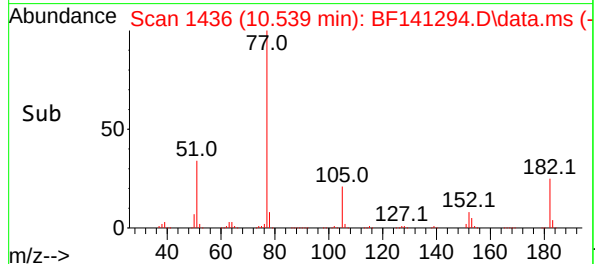
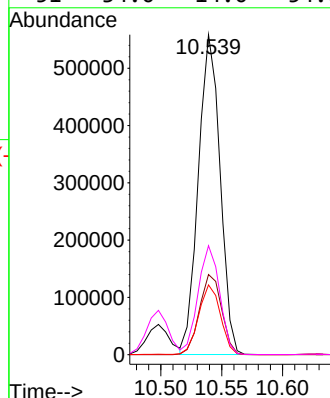
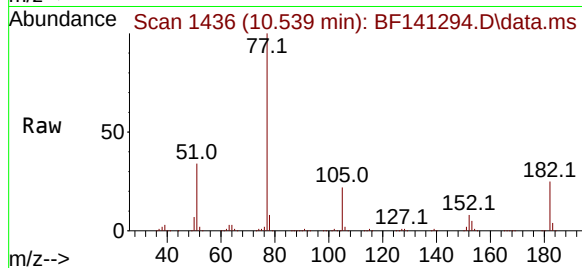




#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

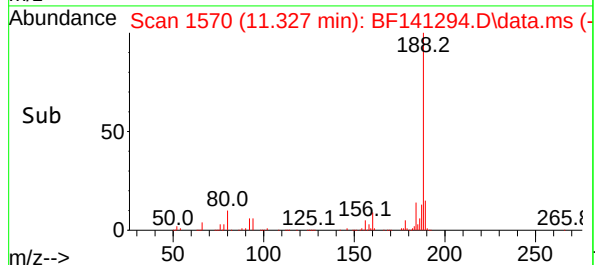
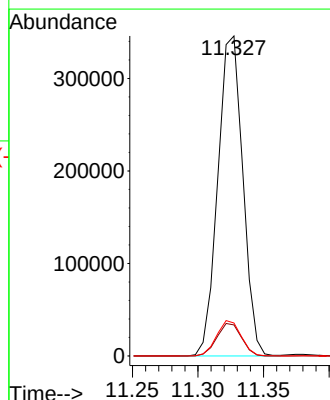
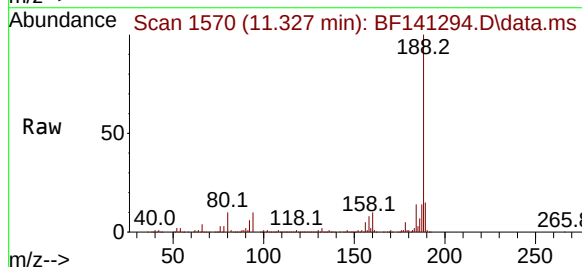
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

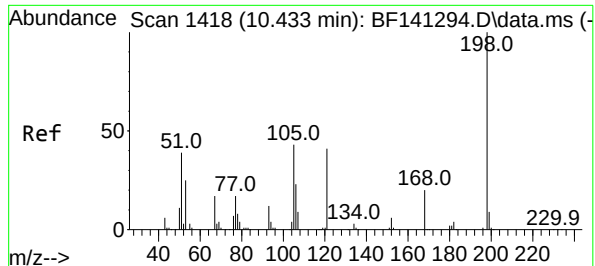
Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4

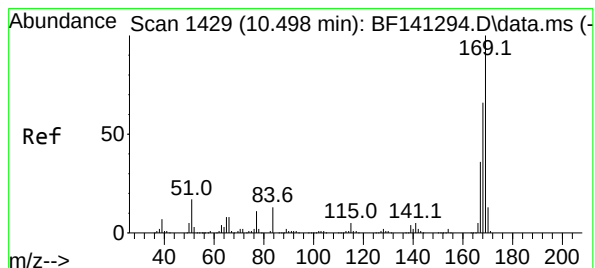
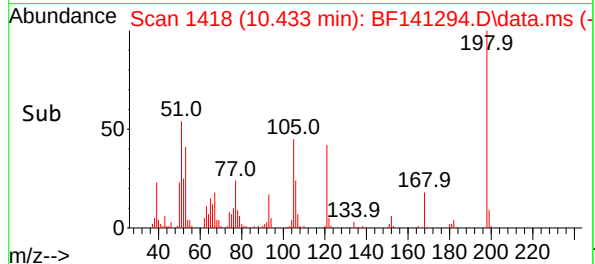
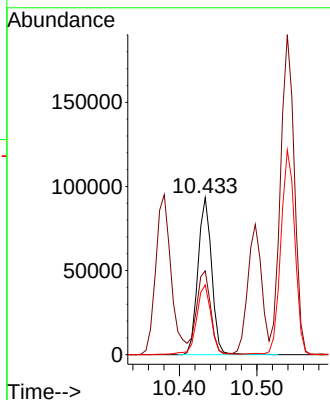
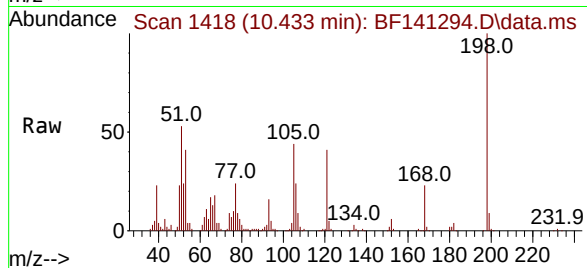




#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

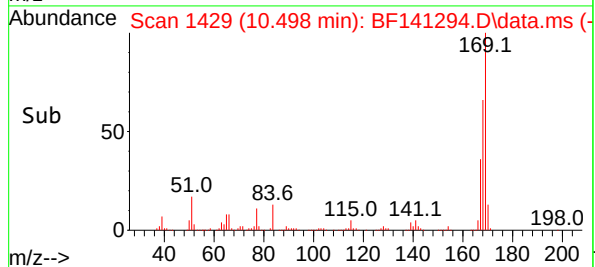
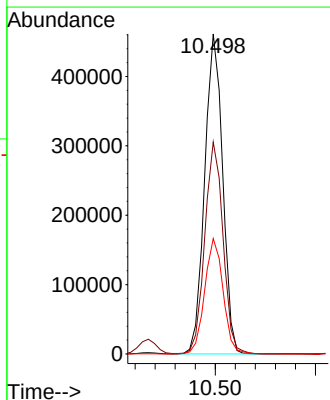
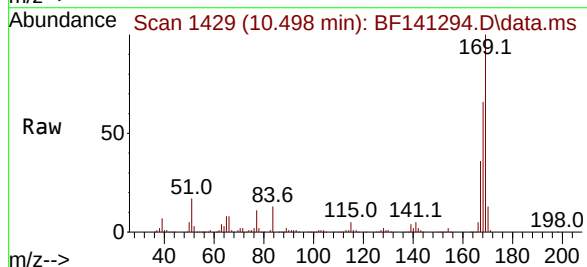
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

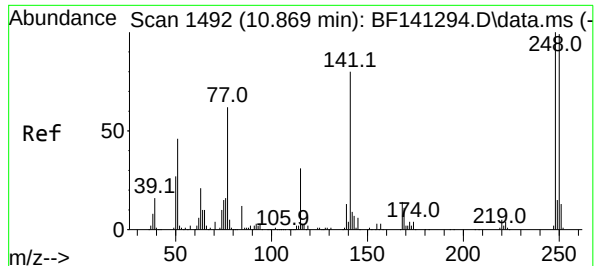
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4



#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2

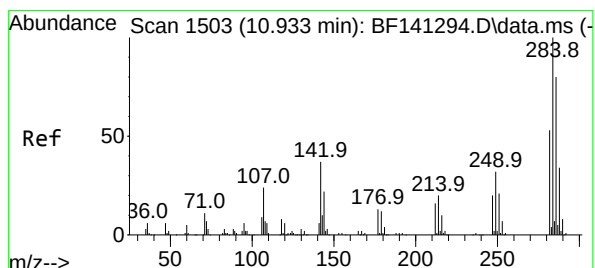
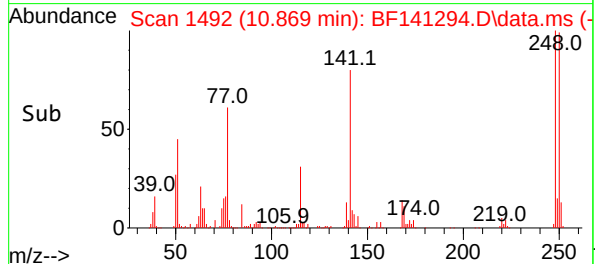
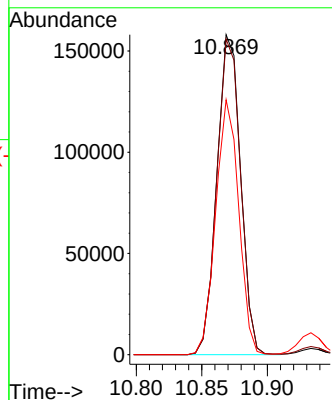
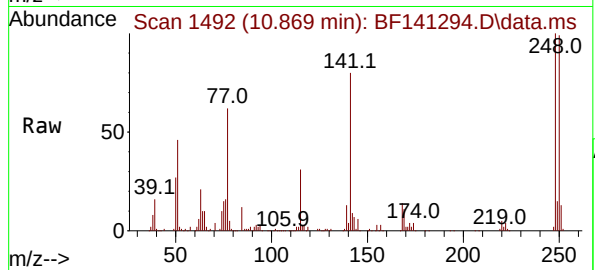




#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

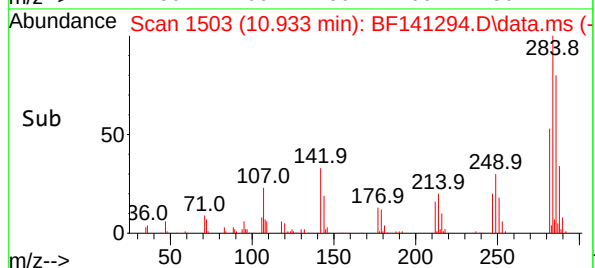
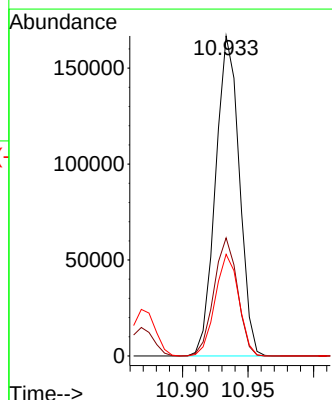
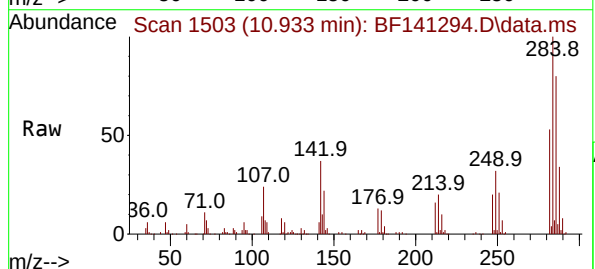
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

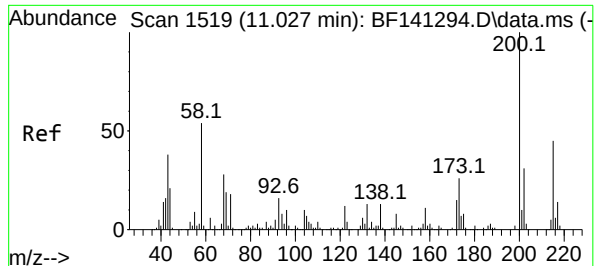
Tgt Ion:248 Resp: 198895
Ion Ratio Lower Upper
248 100
250 98.7 79.0 118.4
141 79.6 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 31.8 25.4 38.2

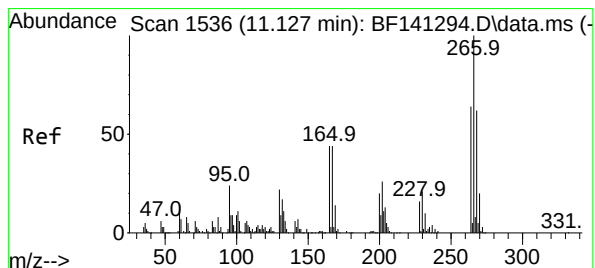
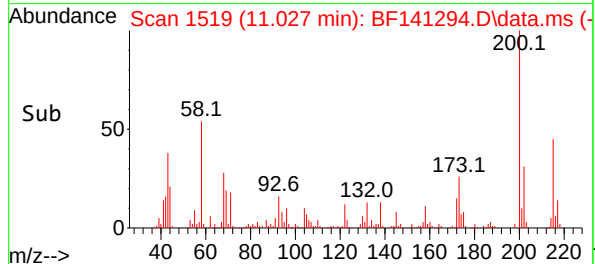
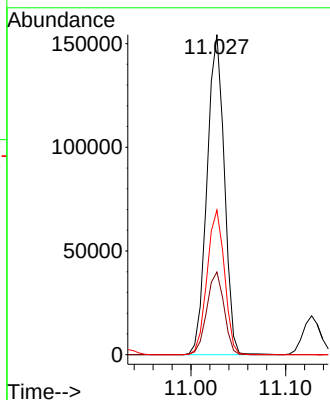
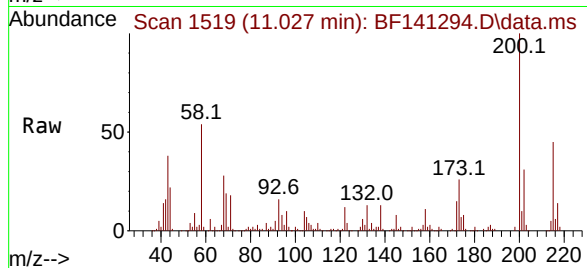




#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

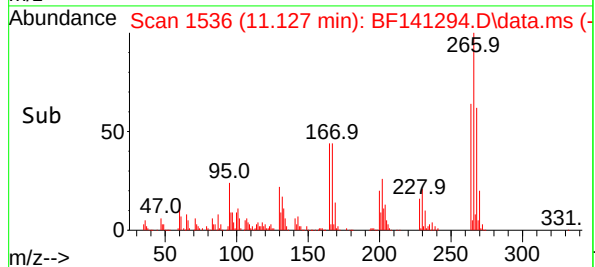
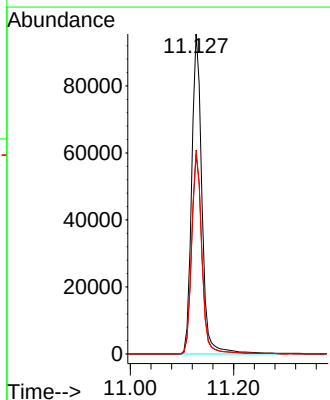
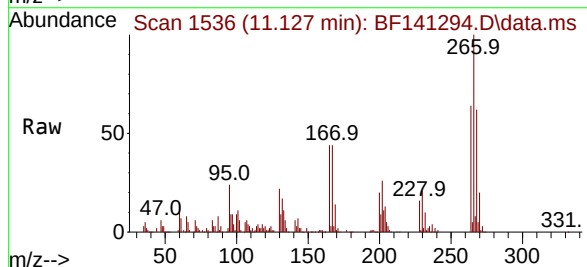
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

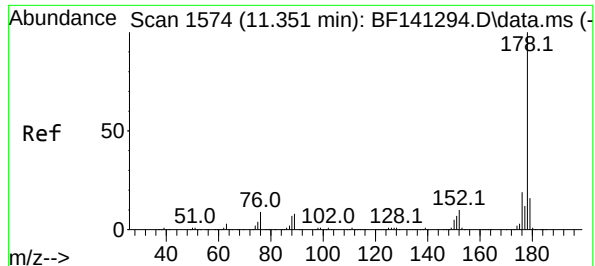
Tgt Ion:200 Resp: 195062
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 45.2 25.2 65.2



#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295
Ion Ratio Lower Upper
266 100
268 62.4 49.9 74.9
264 63.7 51.0 76.4

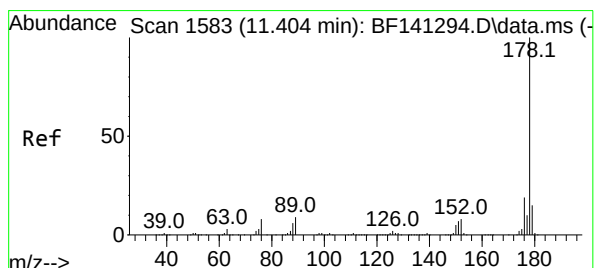
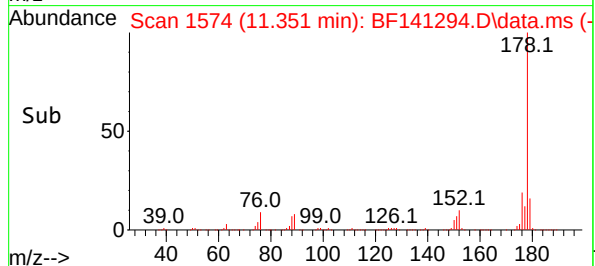
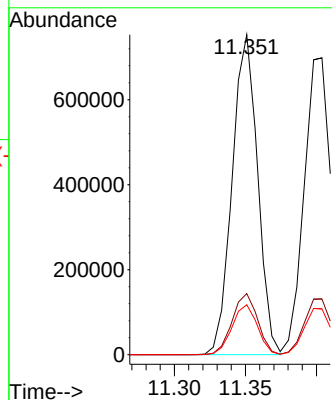
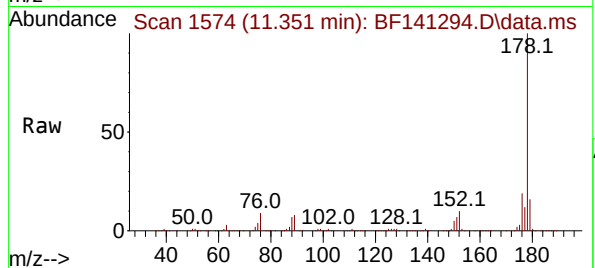




#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

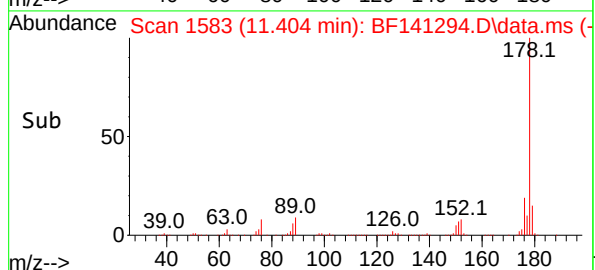
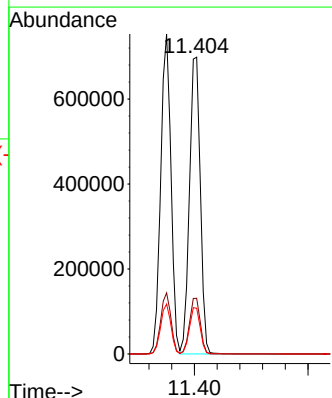
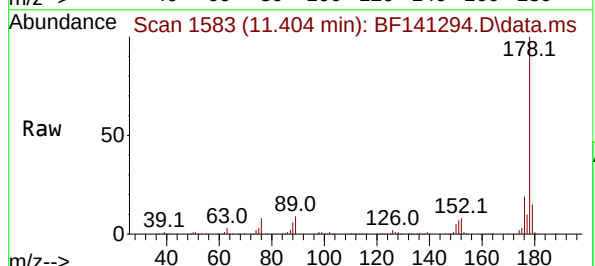
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

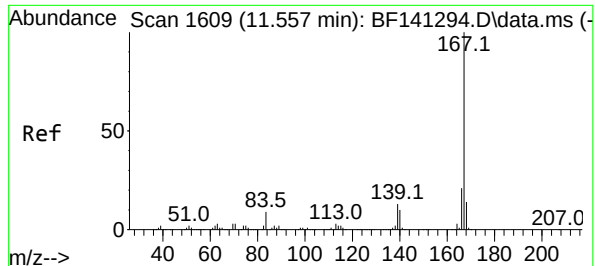
Tgt Ion:178 Resp: 940021
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.3 18.5

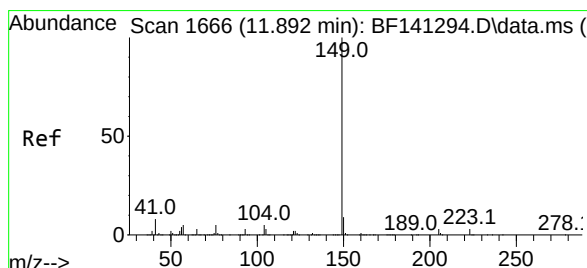
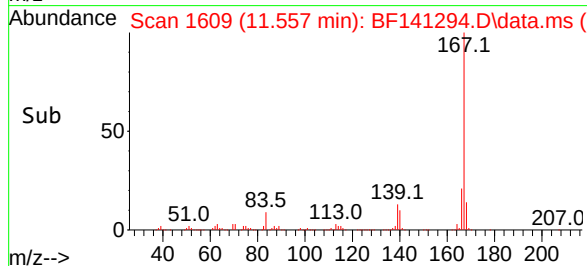
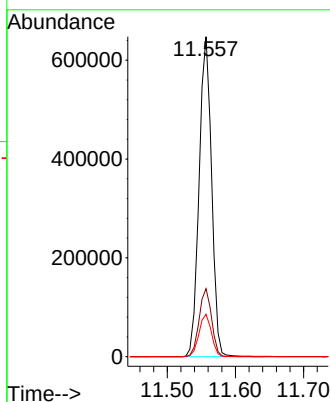
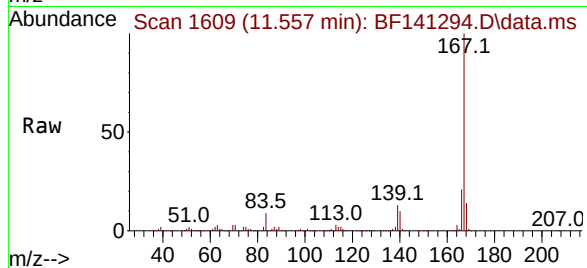




#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

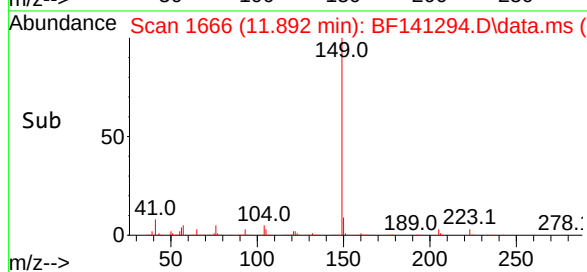
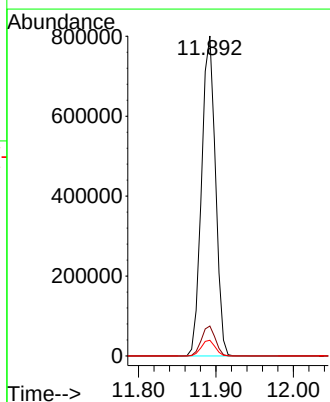
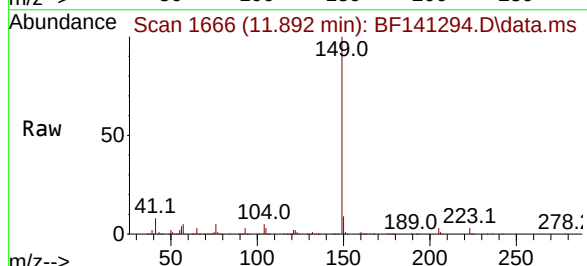
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

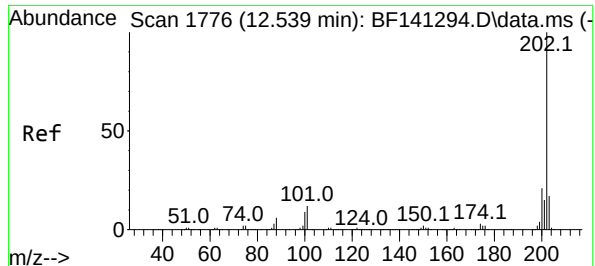
Tgt Ion:	167	Resp:	824095
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0



#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:	149	Resp:	995172
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9

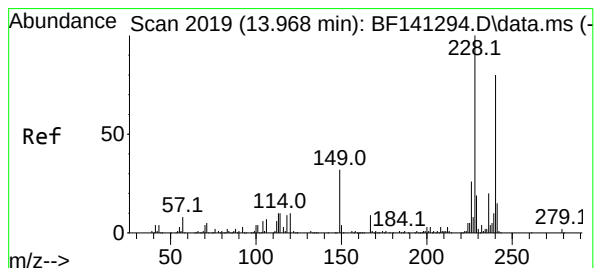
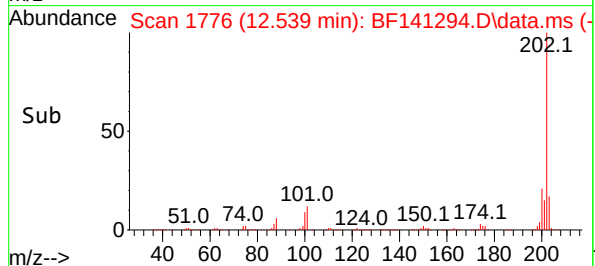
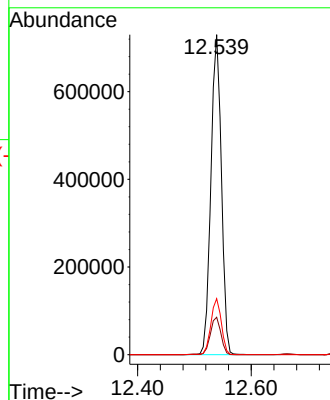
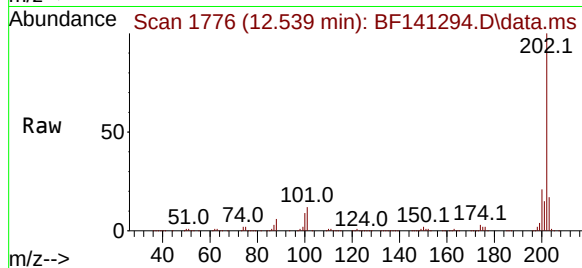




#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

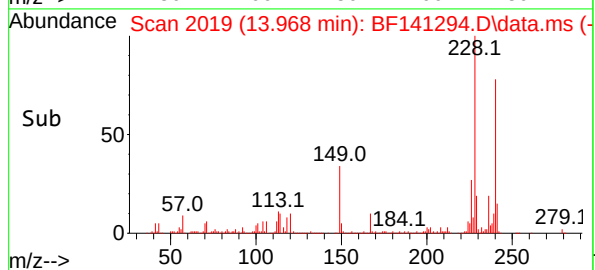
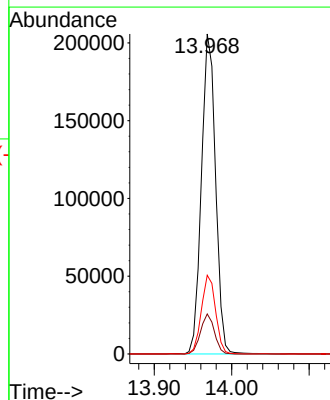
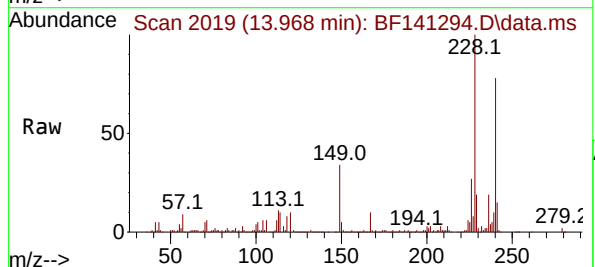
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

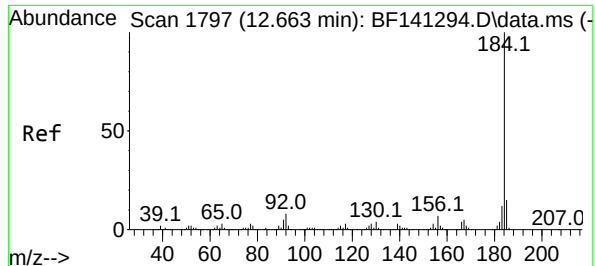
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5

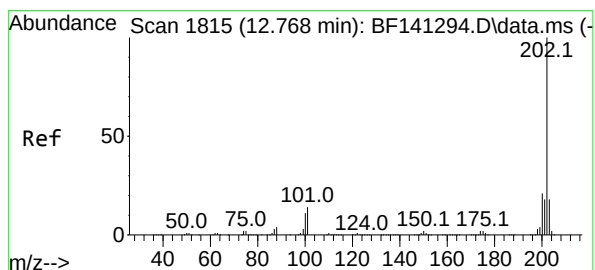
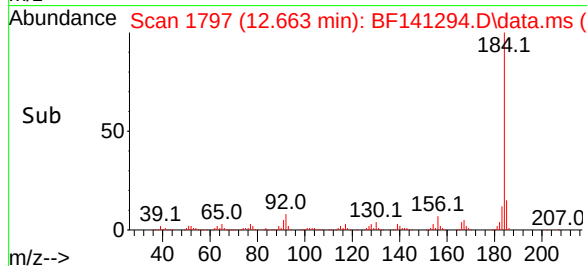
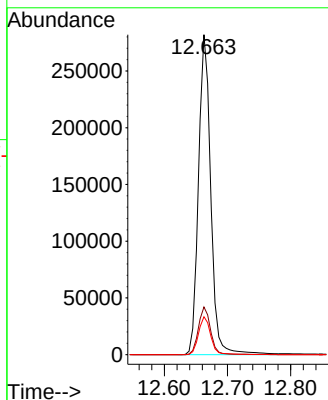
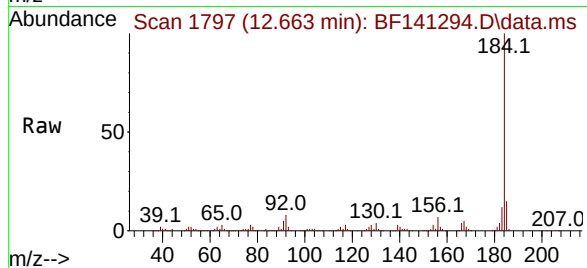




#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

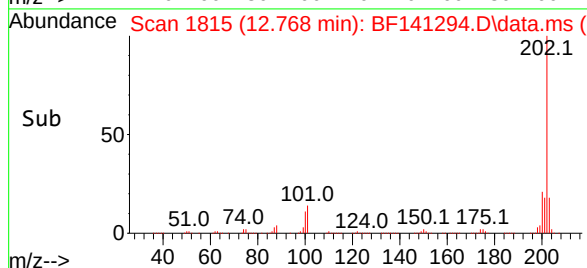
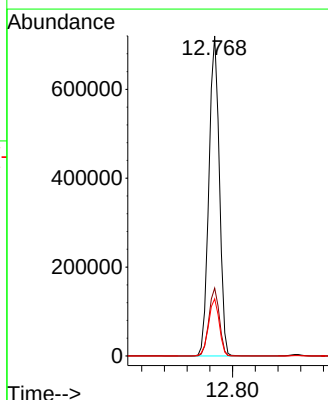
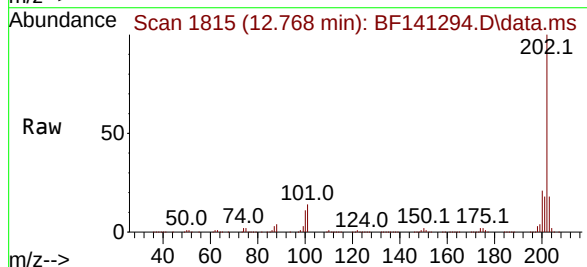
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

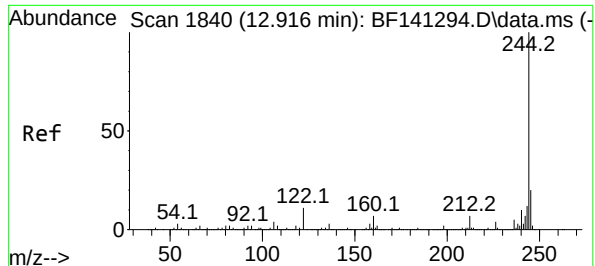
Tgt Ion:184 Resp: 380623
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.9 14.3 21.5

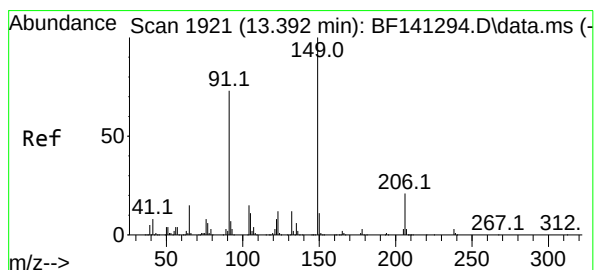
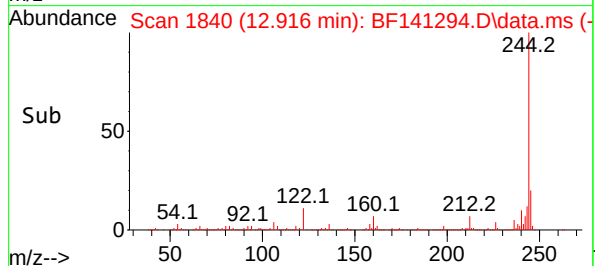
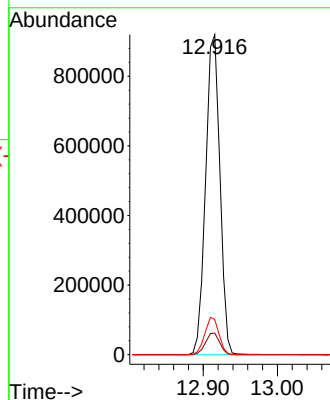
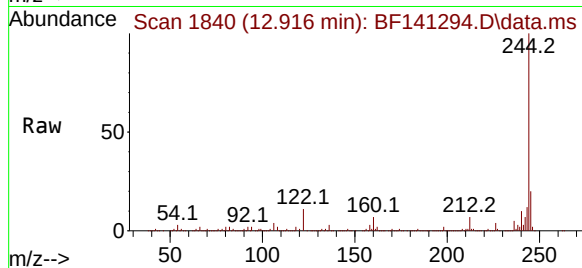




#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

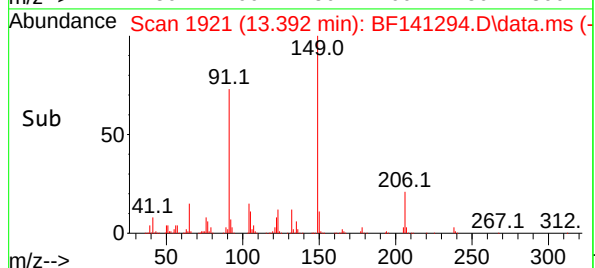
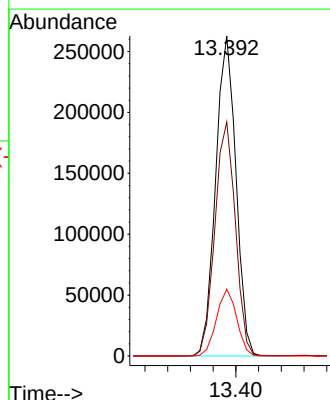
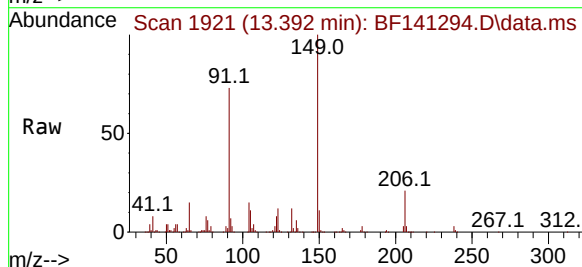
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

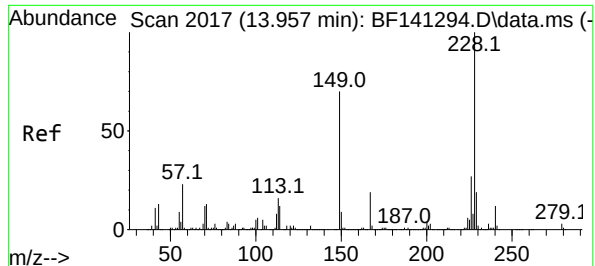
Tgt Ion:244 Resp: 1232977
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 11.0 8.8 13.2



#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158
Ion Ratio Lower Upper
149 100
91 73.2 58.6 87.8
206 20.9 16.7 25.1

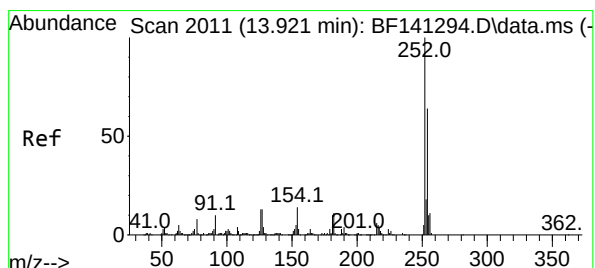
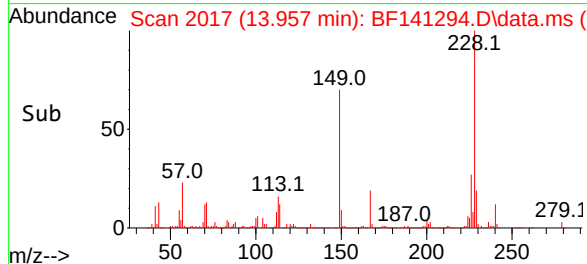
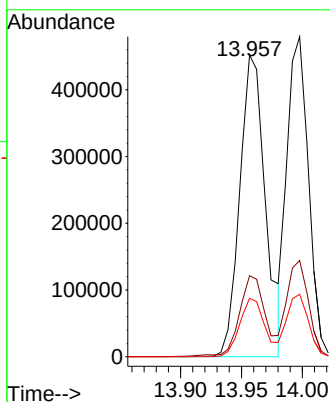
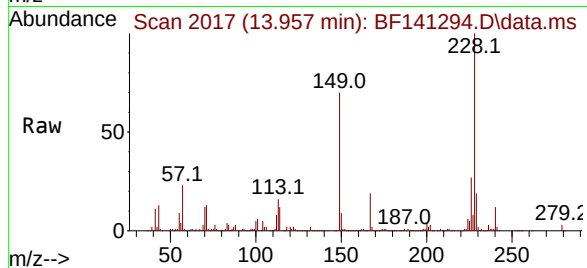




#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

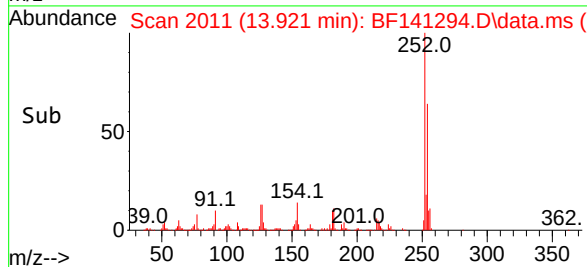
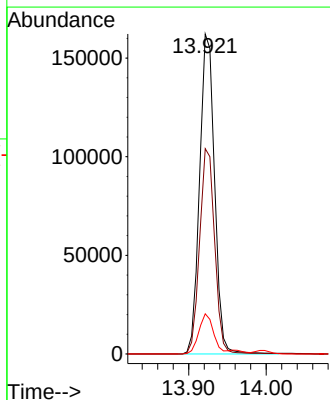
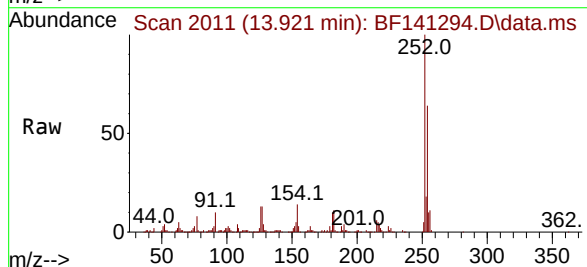
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

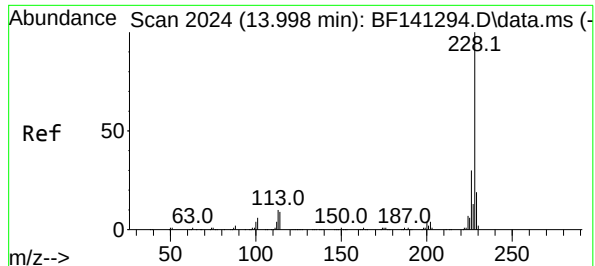
Tgt Ion:228 Resp: 661997
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.4 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856
Ion Ratio Lower Upper
252 100
254 64.1 51.3 76.9
126 12.5 10.0 15.0

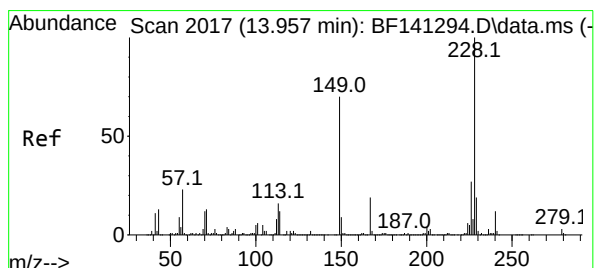
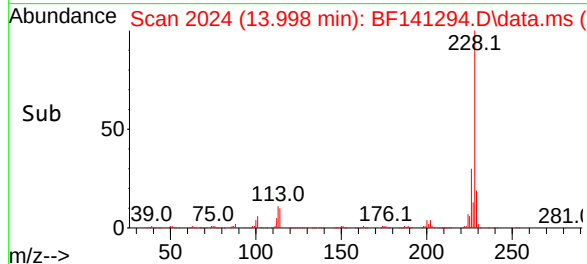
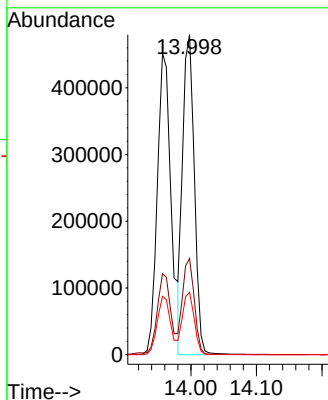
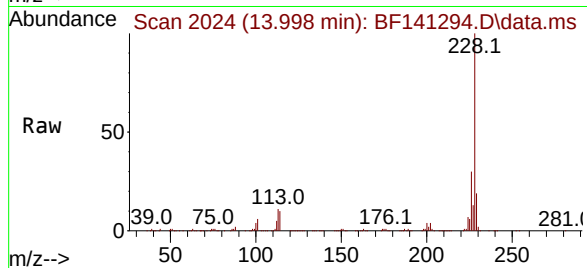




#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

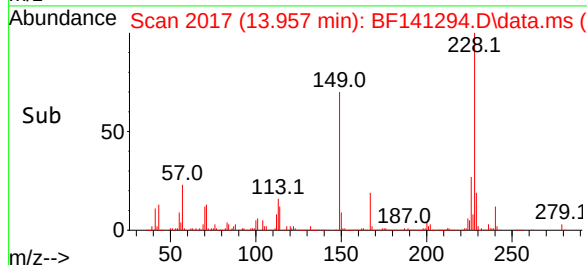
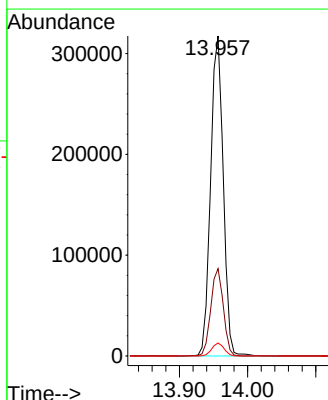
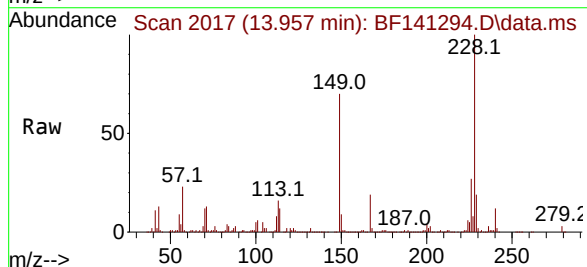
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

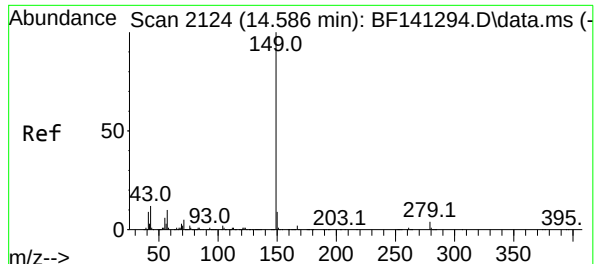
Tgt Ion:228 Resp: 591939
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.5 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.8
279 4.1 3.3 4.9

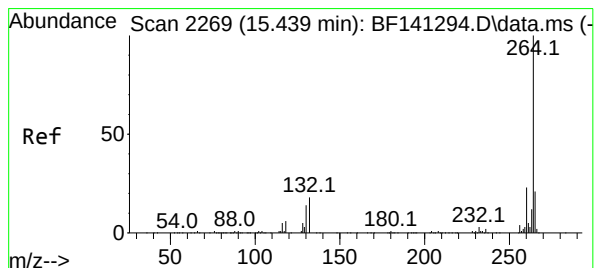
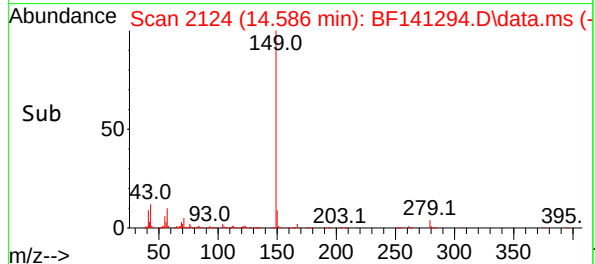
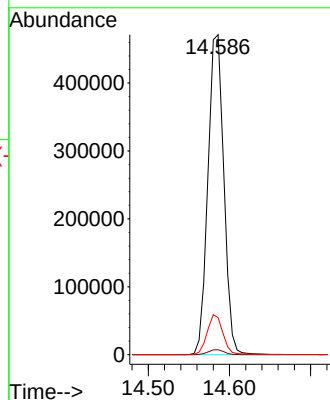
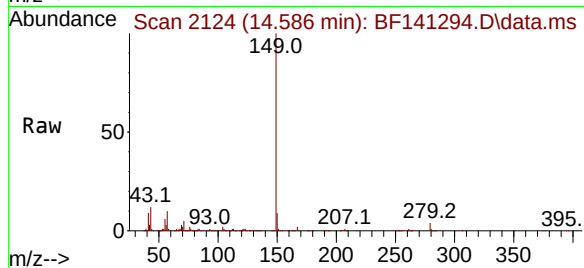




#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

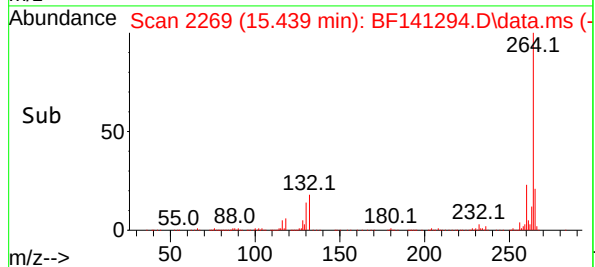
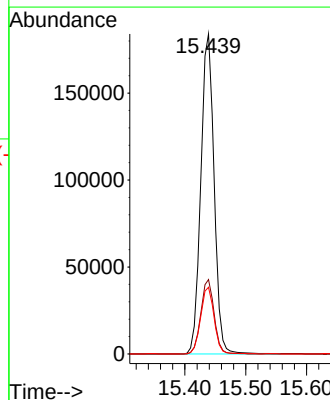
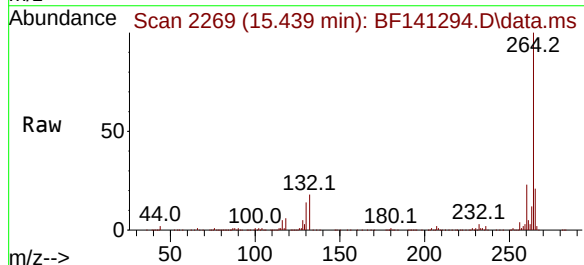
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

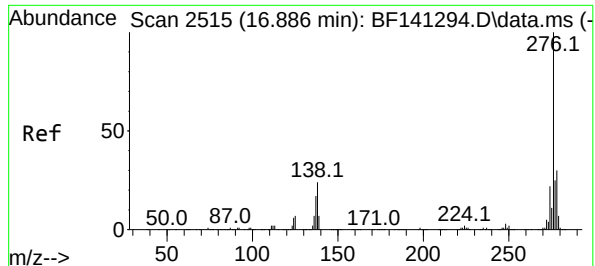
Tgt Ion:149 Resp: 640977
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.503 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

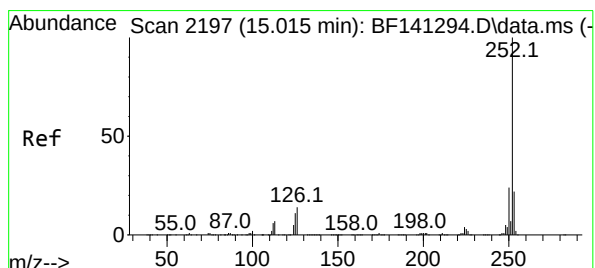
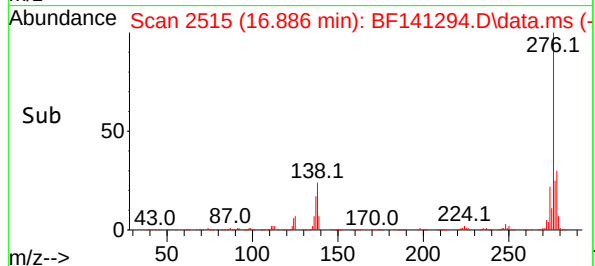
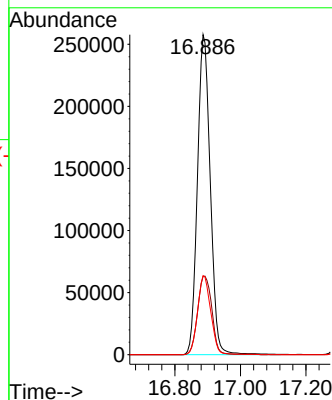
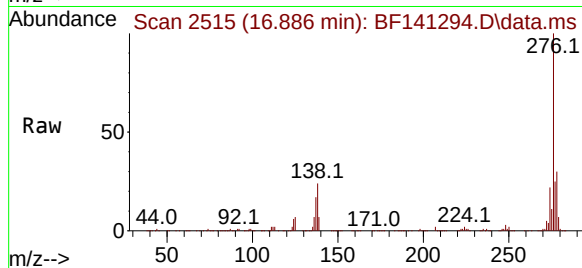
Tgt Ion:276 Resp: 702692

Ion Ratio Lower Upper

276 100

138 27.1 21.7 32.5

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 36.061 ng

RT: 15.015 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

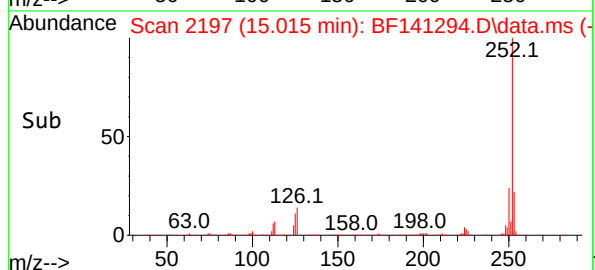
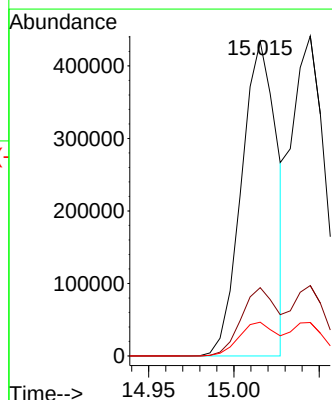
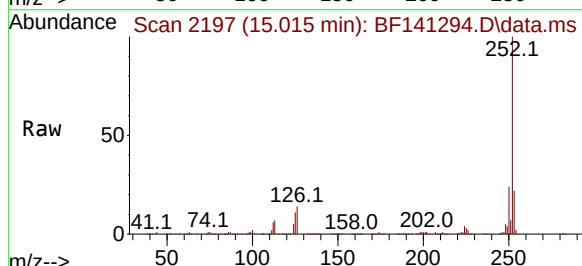
Tgt Ion:252 Resp: 625758

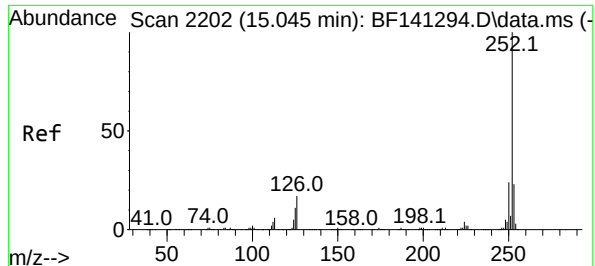
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.959 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

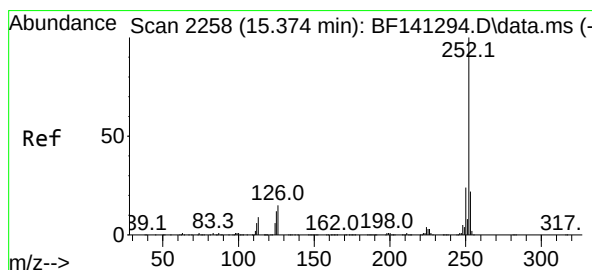
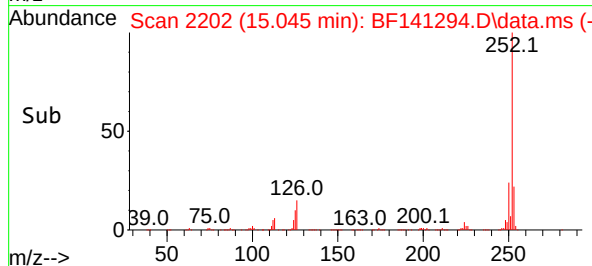
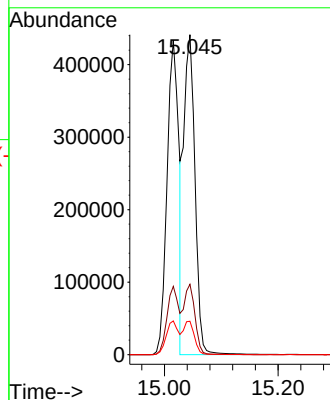
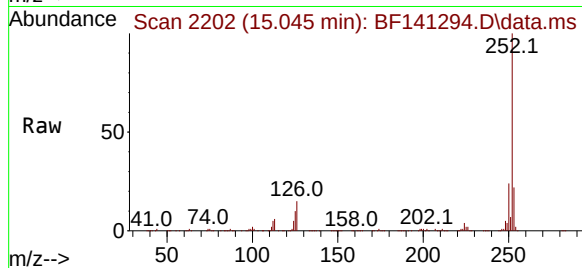
Tgt Ion:252 Resp: 605401

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.5 8.4 12.6



#90

Benzo(a)pyrene

Concen: 38.096 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

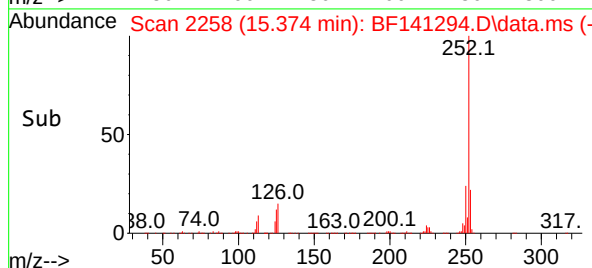
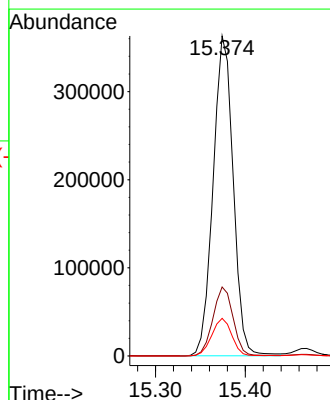
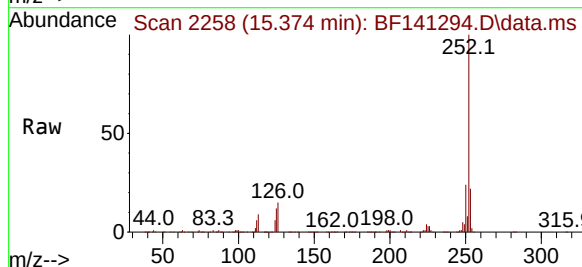
Tgt Ion:252 Resp: 564975

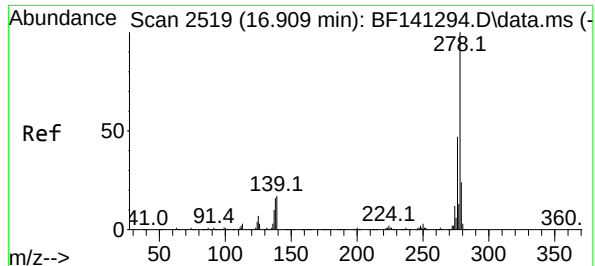
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 11.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.812 ng

RT: 16.909 min Scan# 2519

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

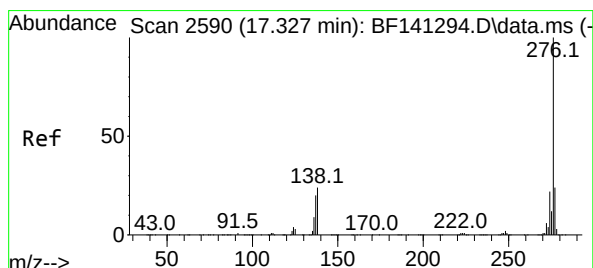
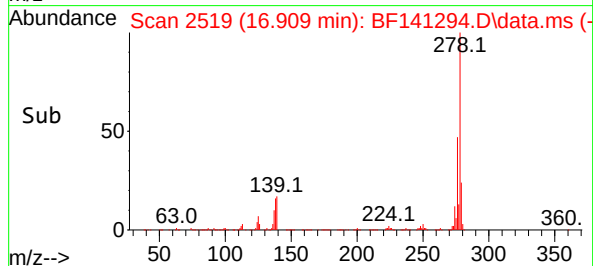
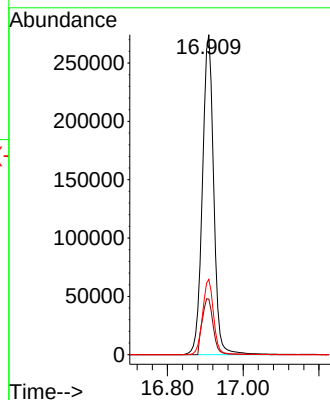
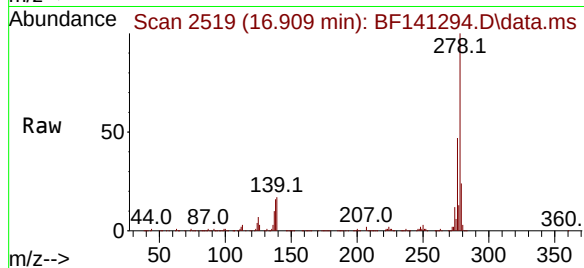
Tgt Ion:278 Resp: 567762

Ion Ratio Lower Upper

278 100

139 17.4 13.9 20.9

279 23.5 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 37.870 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.000 min

Lab File: BF141294.D

Acq: 29 Jan 2025 15:45

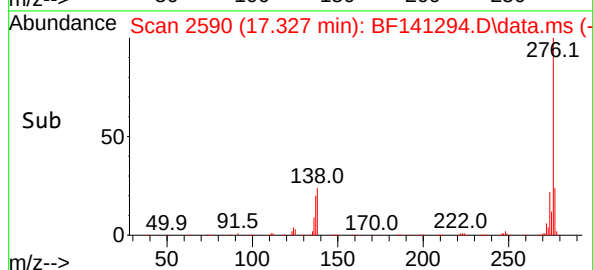
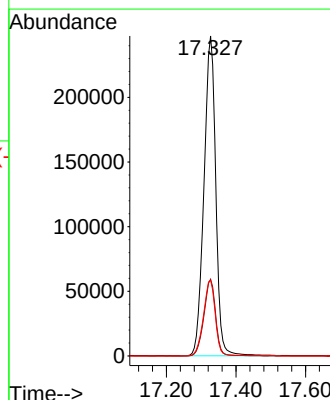
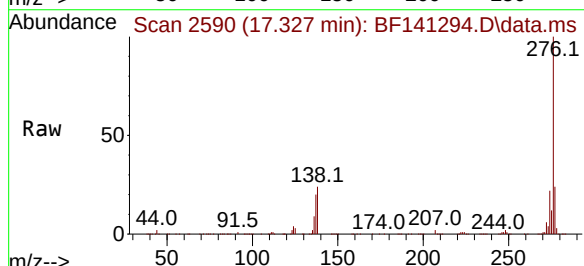
Tgt Ion:276 Resp: 582768

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 23.7 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

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

Quant Time: Jan 29 17:01:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 16:24:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng	0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng	0.00
86) Perylene-d12	15.439	264	272084	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	827672	97.984	ng	0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng	0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng	0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng	98
3) Pyridine	3.222	79	455306	50.773	ng	100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng	100
6) Aniline	6.463	93	458390	50.942	ng	97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng	98
9) Benzaldehyde	6.351	77	281326	44.996	ng	98
10) Phenol	6.445	94	553844	48.628	ng	95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng	98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng	100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng	99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng	99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng	99
17) 2-Methylphenol	7.051	107	361469	49.214	ng	99
18) Hexachloroethane	7.310	117	182933	49.073	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng	98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng	94
22) Acetophenone	7.210	105	574700	47.365	ng	# 97
24) Nitrobenzene	7.386	77	492082	49.046	ng	98
25) Isophorone	7.622	82	818496	48.959	ng	99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng	99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng	99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng	100
31) Naphthalene	8.104	128	1304758	48.468	ng	100
32) Benzoic acid	7.857	122	308525	56.571	ng	99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng	100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng	99
35) Caprolactam	8.528	113	120078	50.594	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng	98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng	99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng	100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141295.D
 Acq On : 29 Jan 2025 16:11
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:01:11 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

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

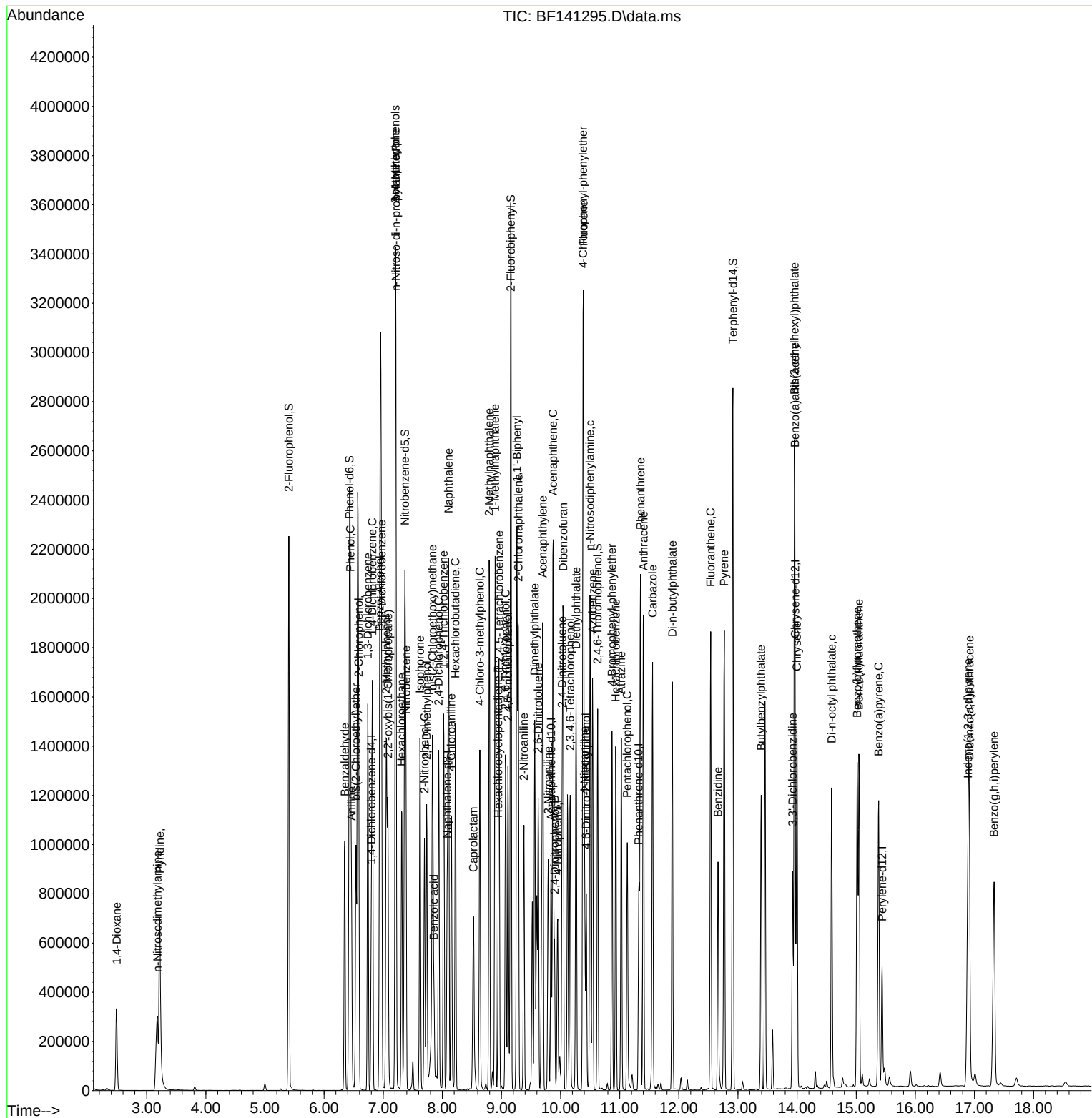
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Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

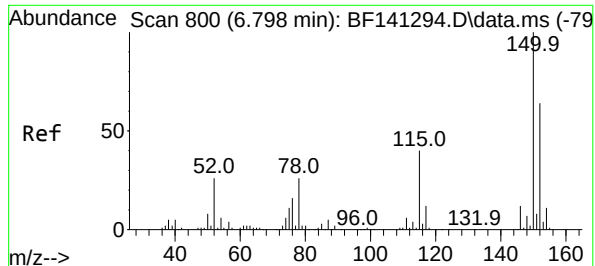
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

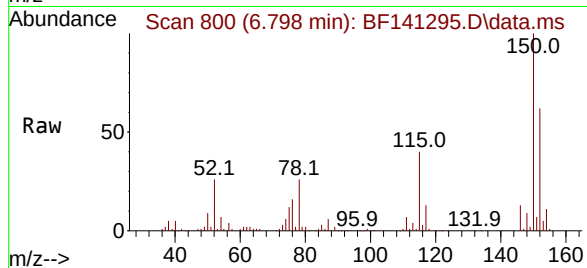
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

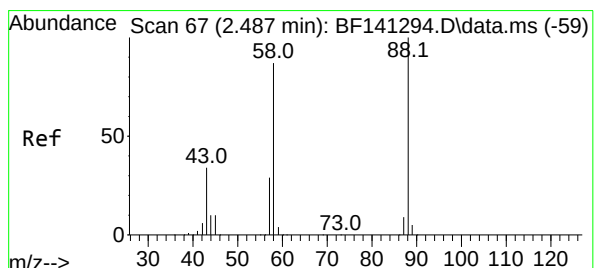
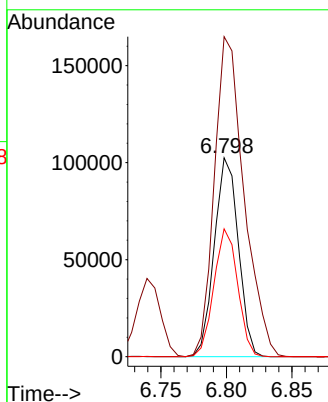
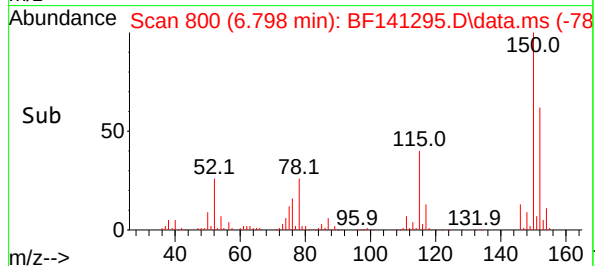
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 13063
Ion Ratio Lower Upper
152 100
150 160.9 125.9 188.9
115 64.3 49.7 74.5

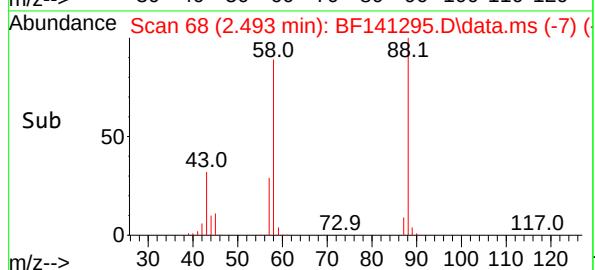
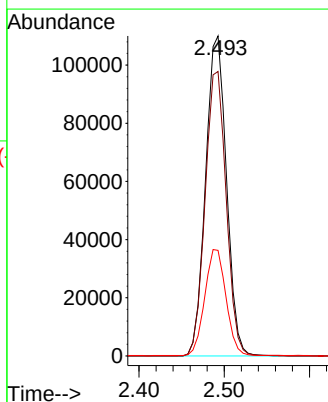
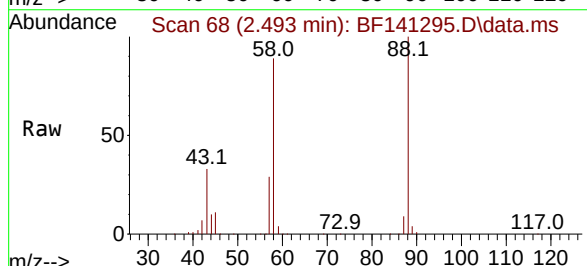
Manual Integrations
APPROVED

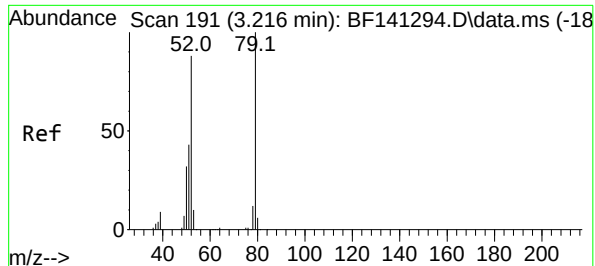
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

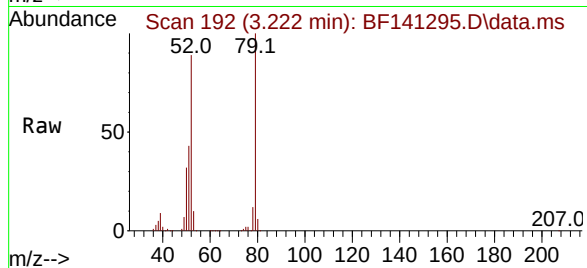
Tgt Ion: 88 Resp: 187460
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 33.5 27.6 41.4





#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 191
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

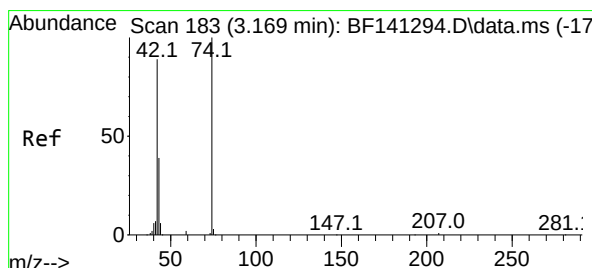
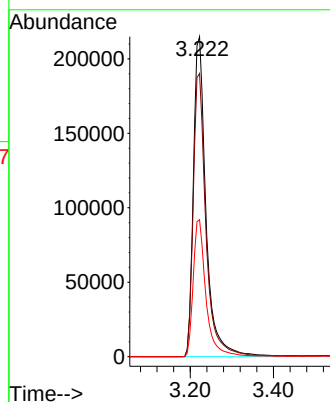
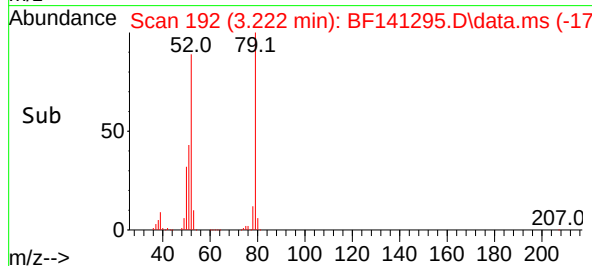
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 455300
Ion Ratio Lower Upper
79 100
52 88.5 70.3 105.5
51 42.8 34.3 51.5

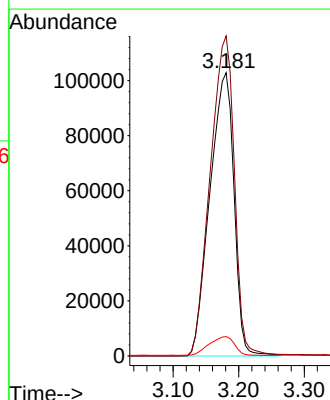
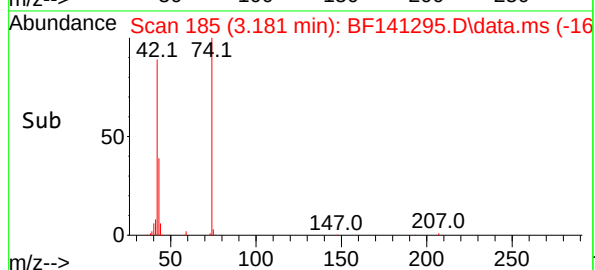
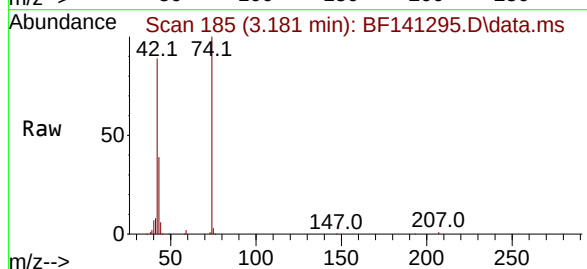
Manual Integrations
APPROVED

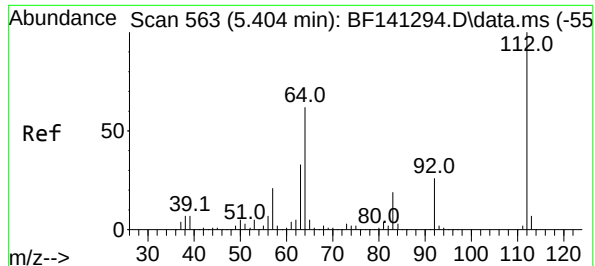
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

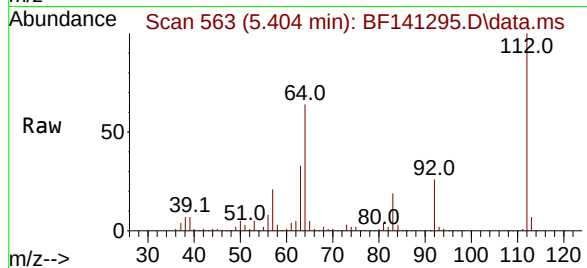
Tgt Ion: 42 Resp: 262086
Ion Ratio Lower Upper
42 100
74 113.0 90.3 135.5
44 6.8 5.7 8.5





#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

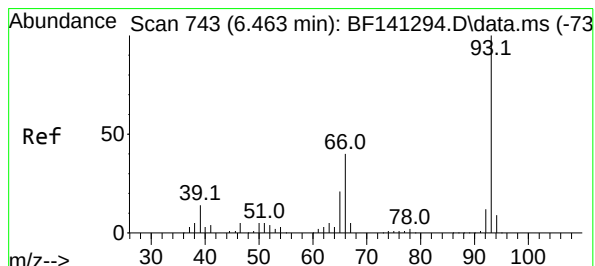
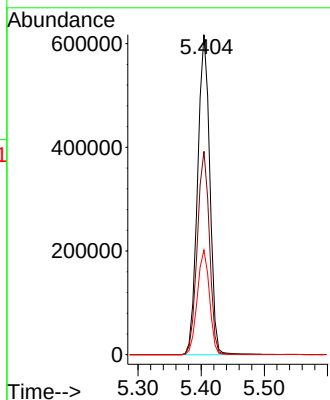
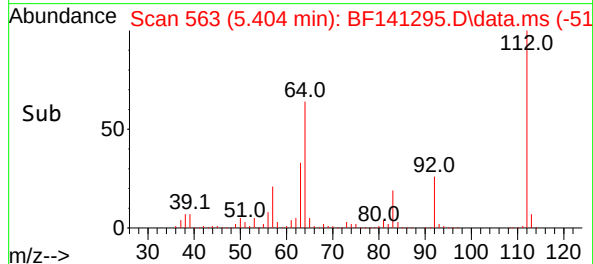
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 827672
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 32.7 26.1 39.1

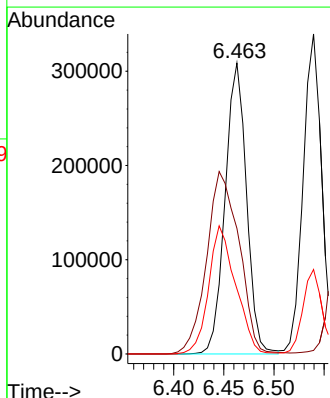
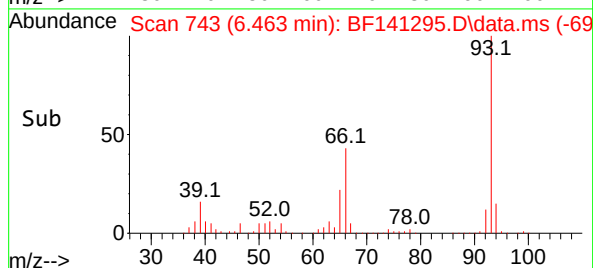
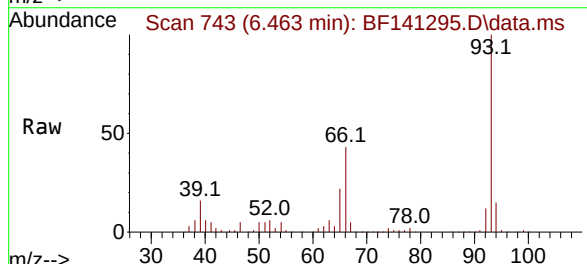
Manual Integrations
APPROVED

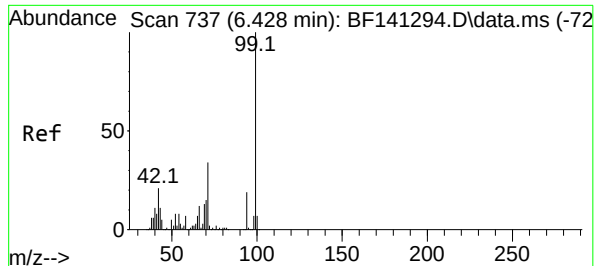
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

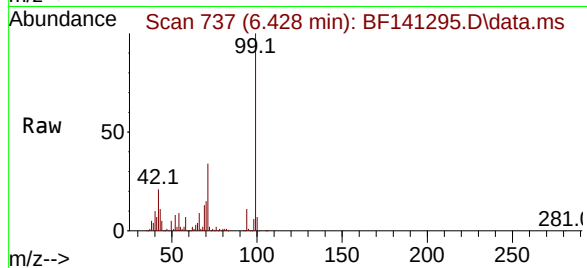
Tgt Ion: 93 Resp: 458390
Ion Ratio Lower Upper
93 100
66 43.2 32.5 48.7
65 22.4 17.0 25.6





#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

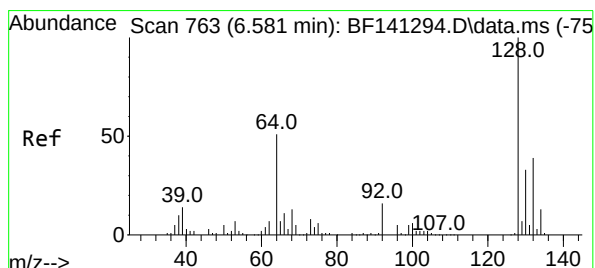
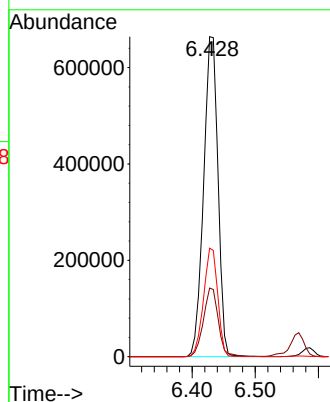
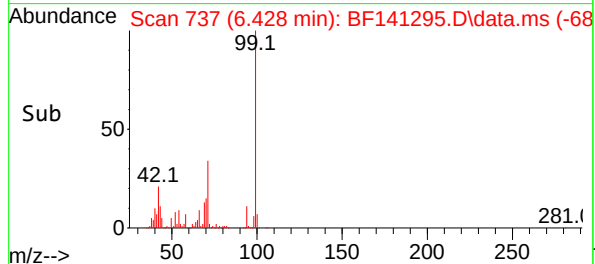
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 105238
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 33.9 26.9 40.3

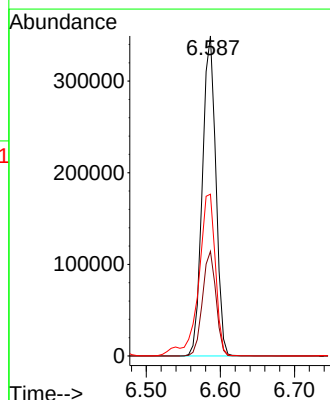
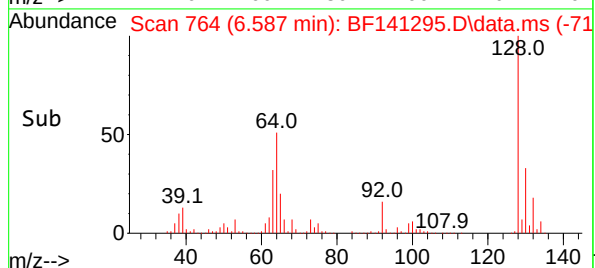
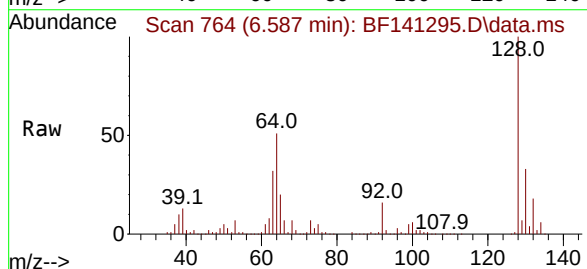
Manual Integrations
APPROVED

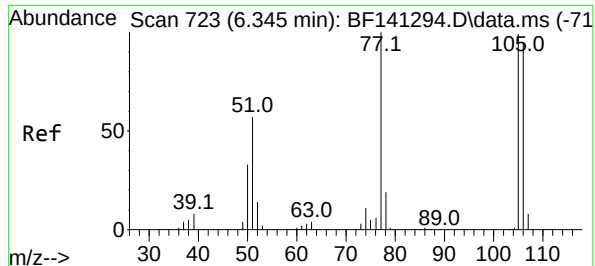
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

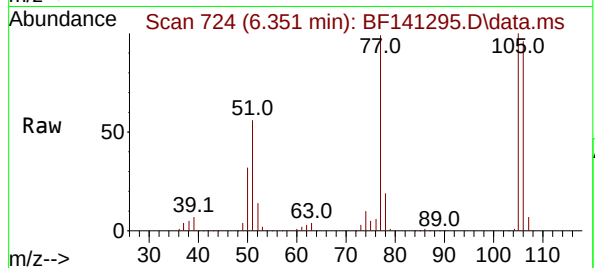
Tgt Ion:128 Resp: 441862
Ion Ratio Lower Upper
128 100
130 32.7 12.5 52.5
64 50.5 32.9 72.9





#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

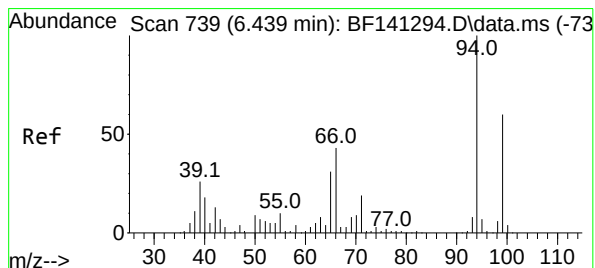
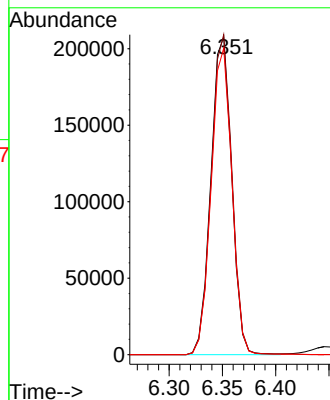
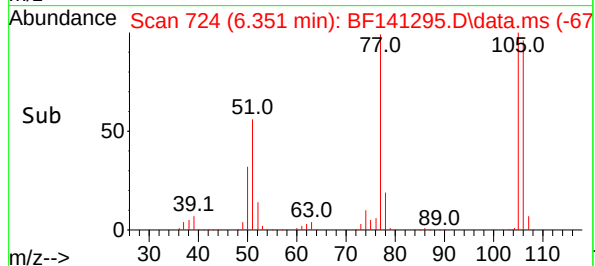
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 281320
Ion Ratio Lower Upper
77 100
105 100.8 79.4 119.4
106 96.5 74.6 114.6

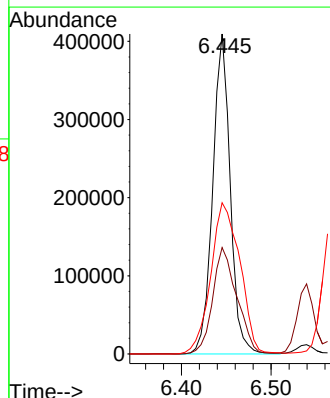
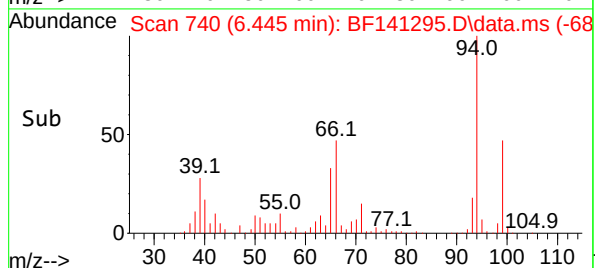
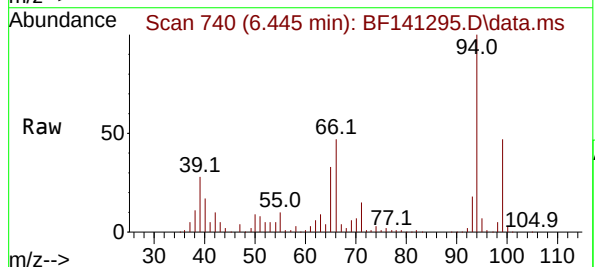
Manual Integrations
APPROVED

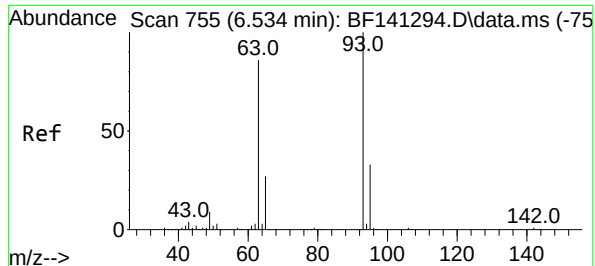
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 94 Resp: 553844
Ion Ratio Lower Upper
94 100
65 33.2 10.8 50.8
66 47.3 23.3 63.3





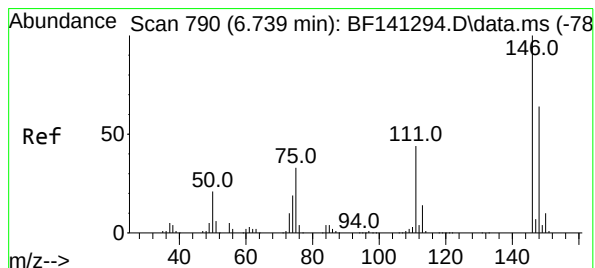
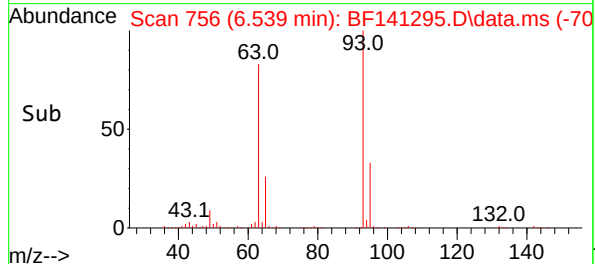
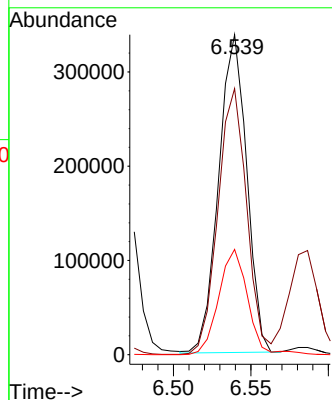
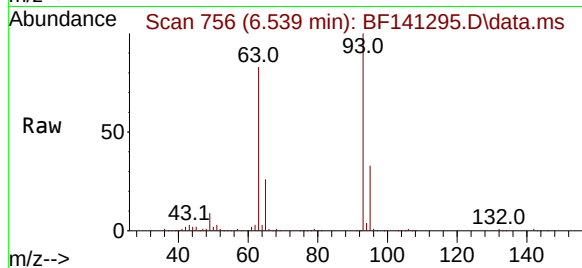
#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 424248
Ion Ratio Lower Upper
93 100
63 83.2 65.0 105.0
95 32.9 12.4 52.4

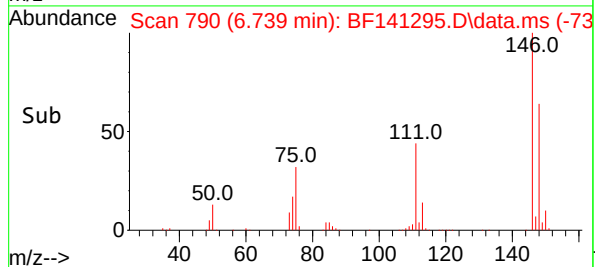
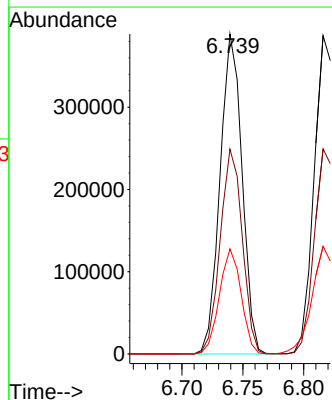
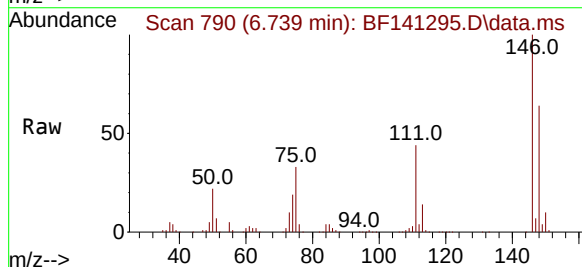
Manual Integrations
APPROVED

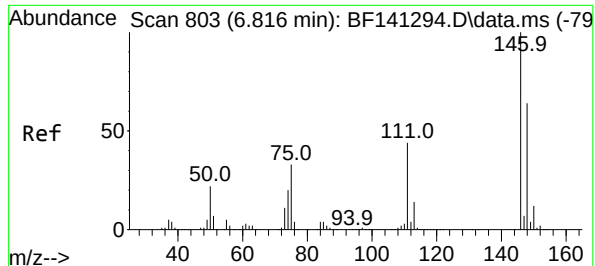
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386
Ion Ratio Lower Upper
146 100
148 64.0 51.2 76.8
75 32.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 48.671 ng

RT: 6.816 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 490392

Ion Ratio Lower Upper

146 100

148 64.4 51.2 76.8

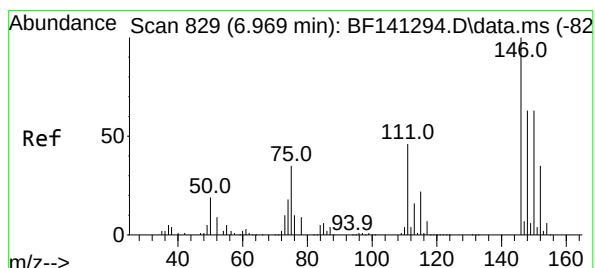
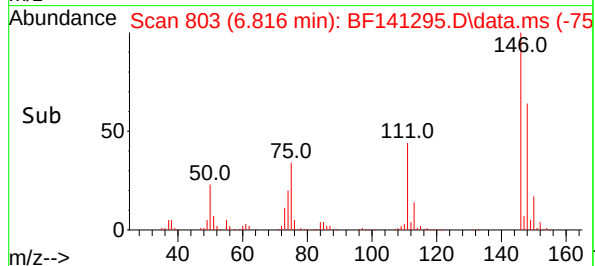
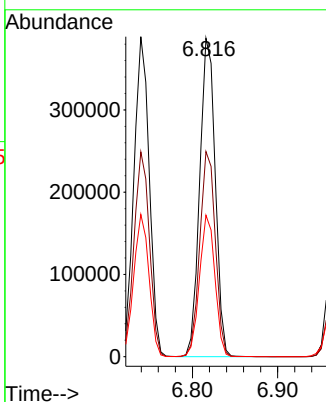
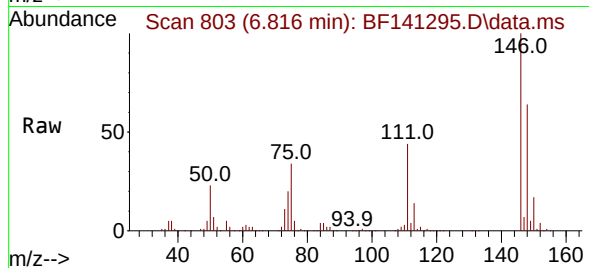
111 44.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 48.279 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

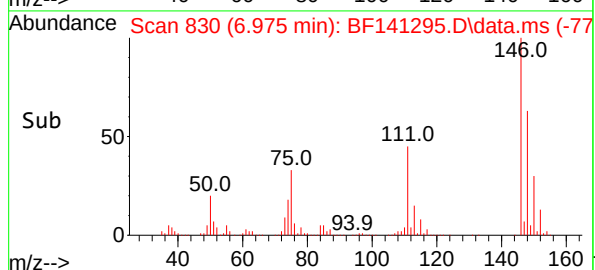
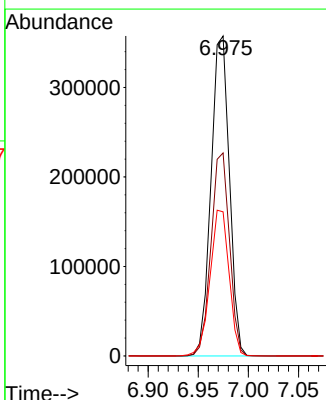
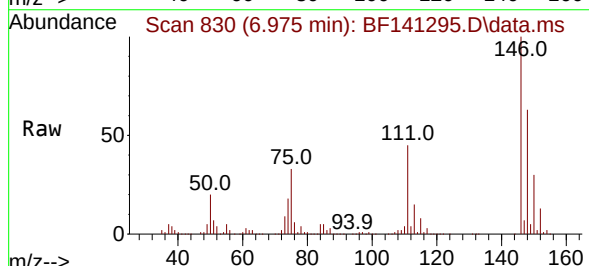
Tgt Ion:146 Resp: 454569

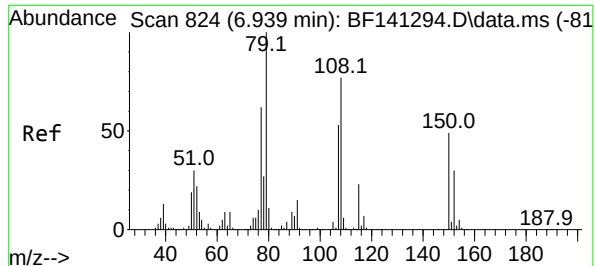
Ion Ratio Lower Upper

146 100

148 63.4 50.5 75.7

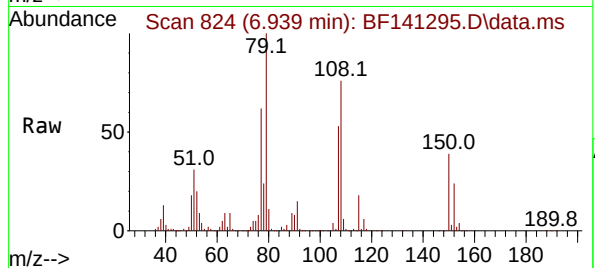
111 45.1 36.6 55.0





#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

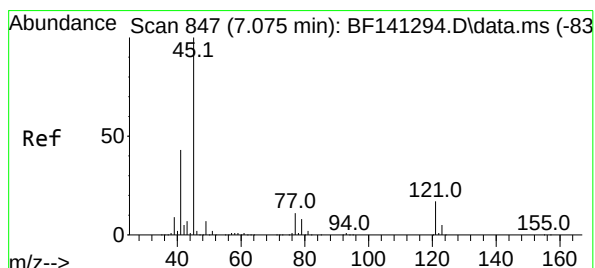
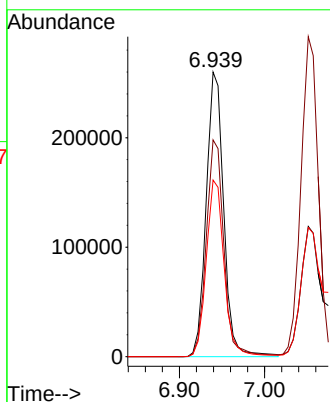
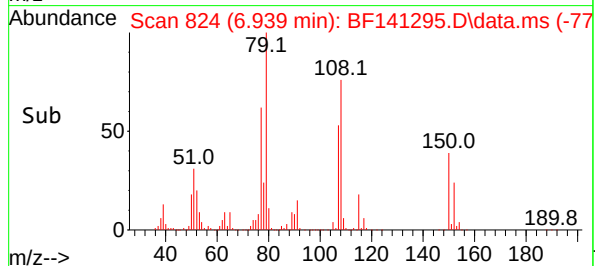
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



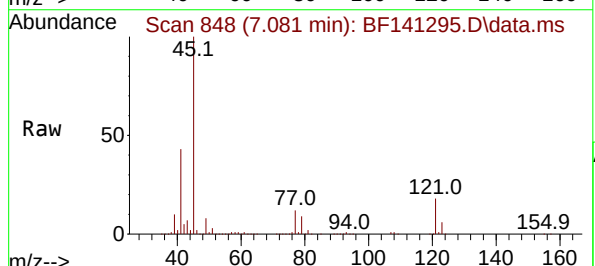
Tgt Ion: 79 Resp: 371274
Ion Ratio Lower Upper
79 100
108 76.2 61.4 92.0
77 62.1 49.9 74.9

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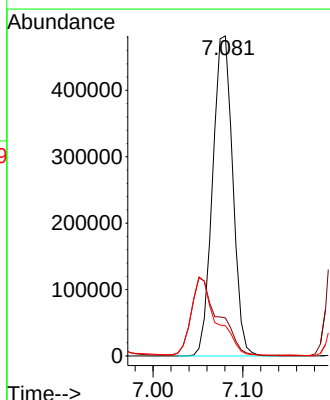
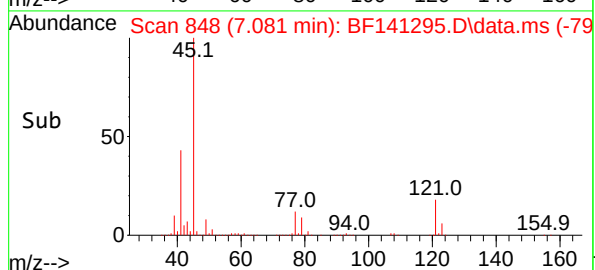
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

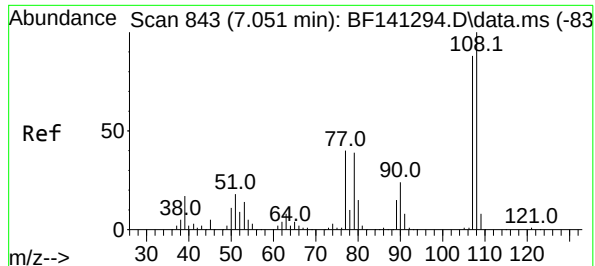


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



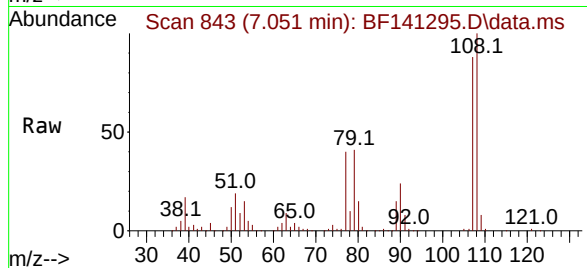
Tgt Ion: 45 Resp: 749938
Ion Ratio Lower Upper
45 100
77 11.9 0.0 31.8
79 9.5 0.0 29.1





#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

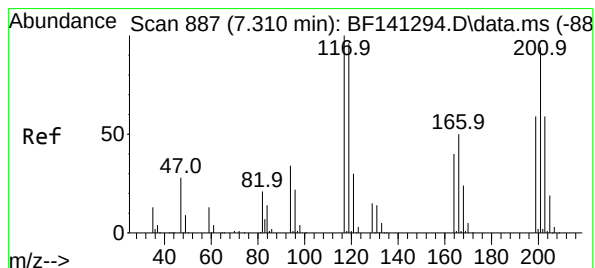
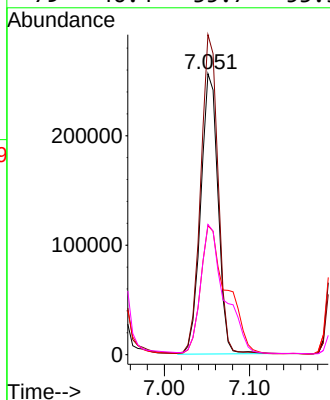
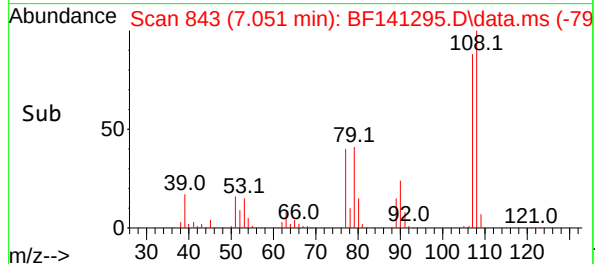
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 361469
Ion Ratio Lower Upper
107 100
108 113.9 90.8 136.2
77 46.0 36.2 54.4
79 46.4 35.7 53.5

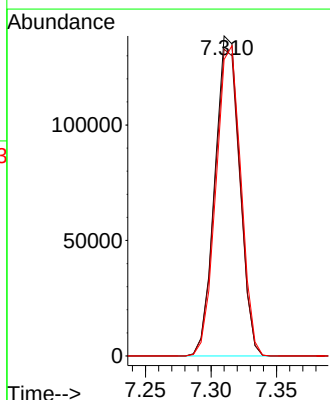
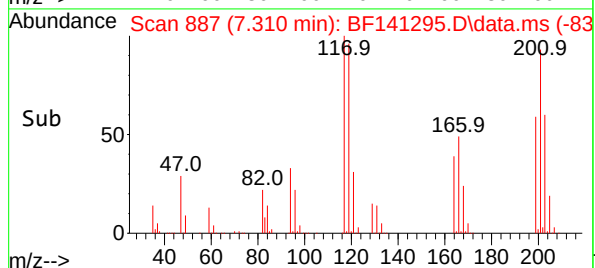
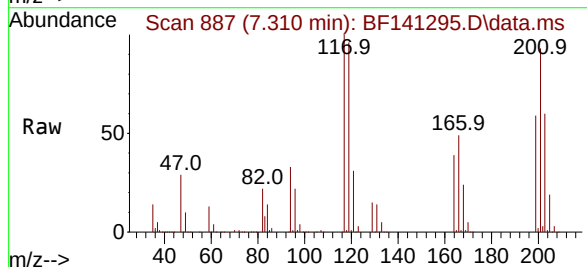
Manual Integrations
APPROVED

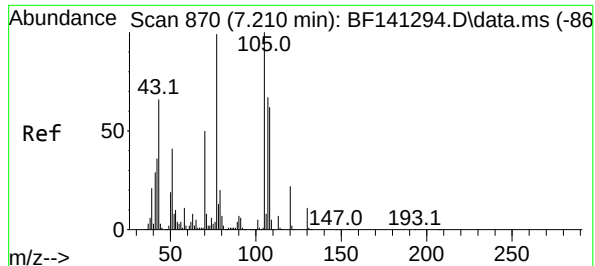
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 92.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.753 ng

RT: 7.216 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141295.D

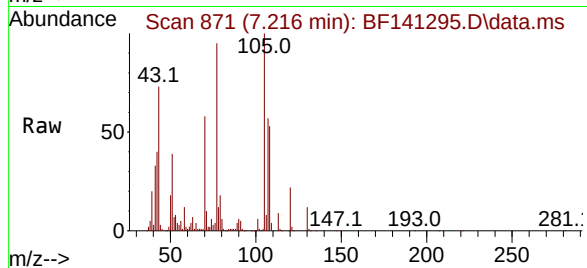
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion: 70 Resp: 305749

Ion Ratio Lower Upper

70 100

42 69.2 56.8 85.2

101 9.7 7.7 11.5

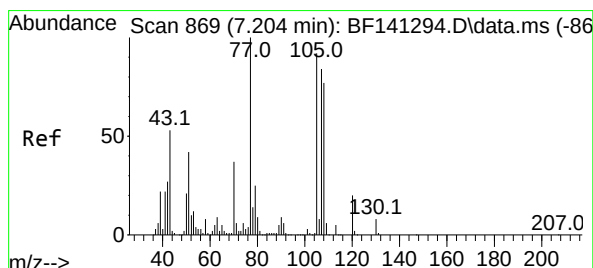
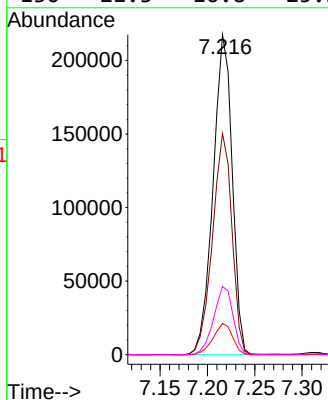
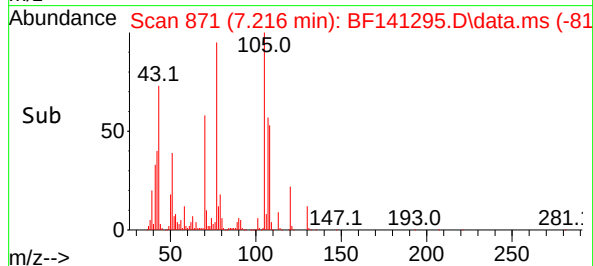
130 21.3 16.8 25.2

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

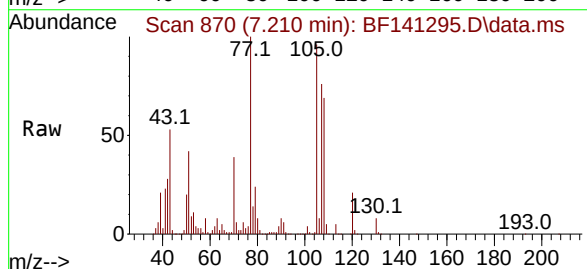
Concen: 48.143 ng

RT: 7.210 min Scan# 870

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:107 Resp: 434743

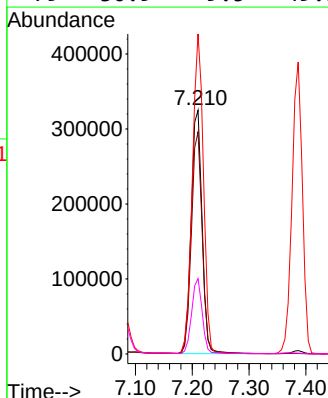
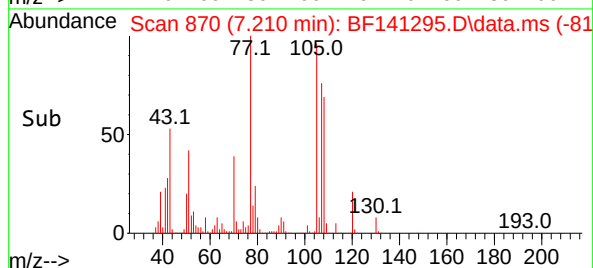
Ion Ratio Lower Upper

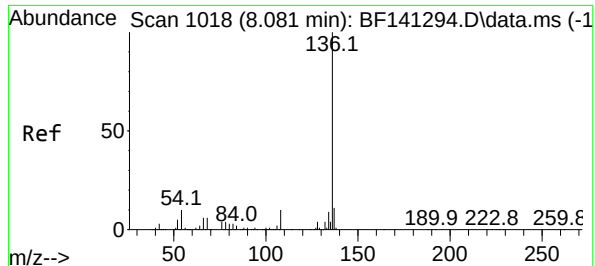
107 100

108 91.2 70.9 110.9

77 131.3 98.5 138.5

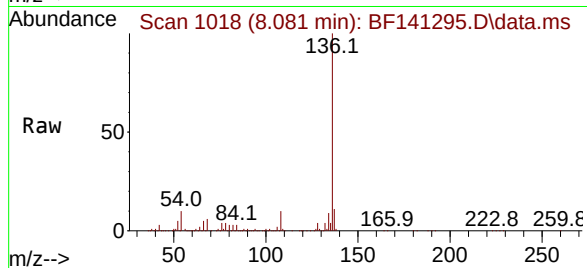
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

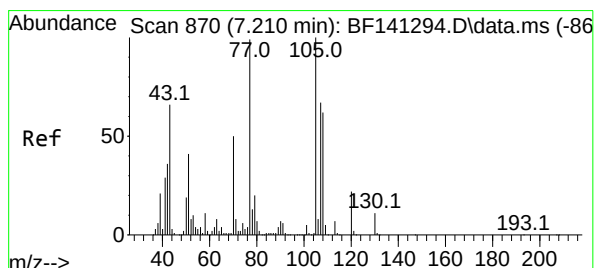
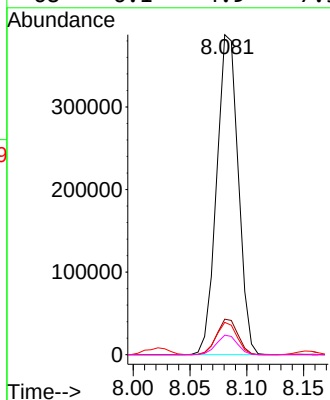
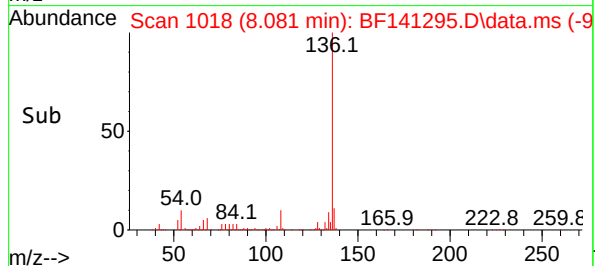
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 51184
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.1 7.8 11.8
68 6.1 4.9 7.3

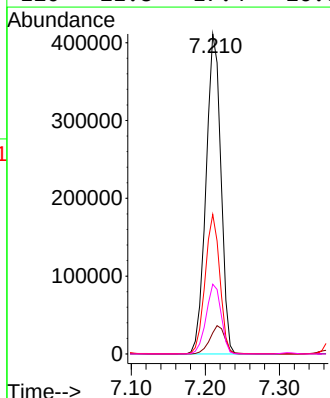
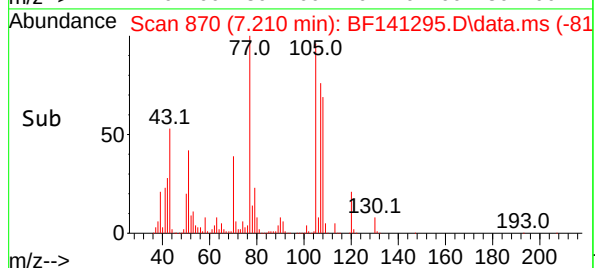
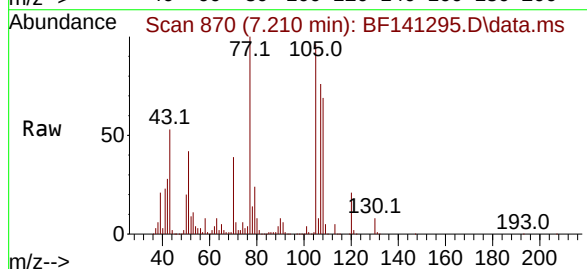
Manual Integrations
APPROVED

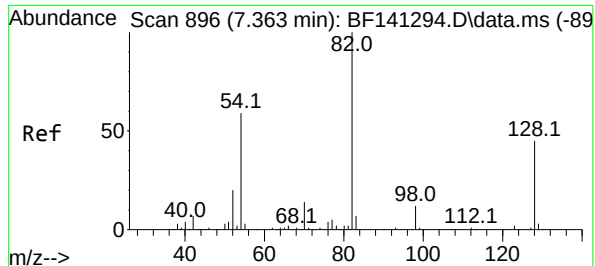
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700
Ion Ratio Lower Upper
105 100
71 6.6 6.8 10.2#
51 43.6 32.6 49.0
120 21.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 98.761 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 95536

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

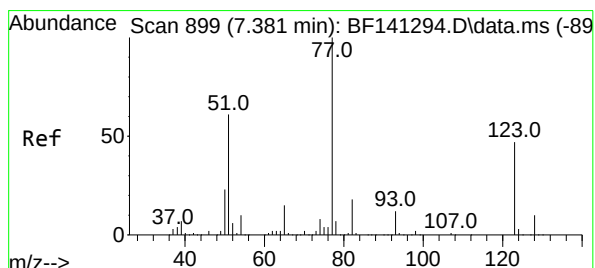
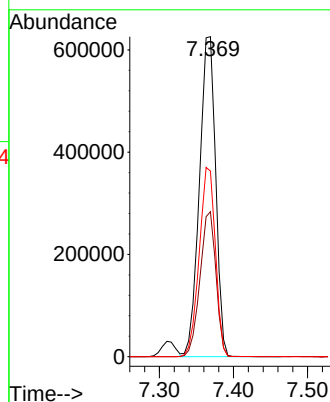
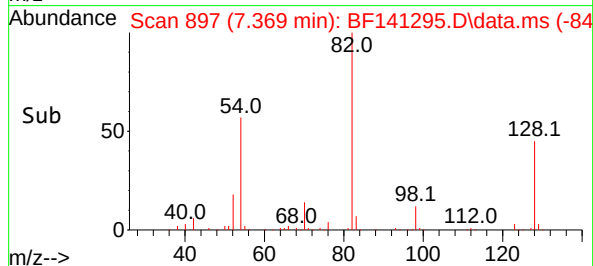
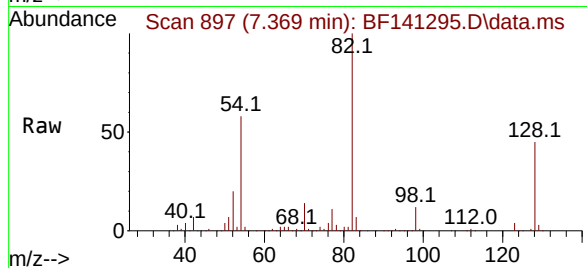
54 58.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 49.046 ng

RT: 7.386 min Scan# 900

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

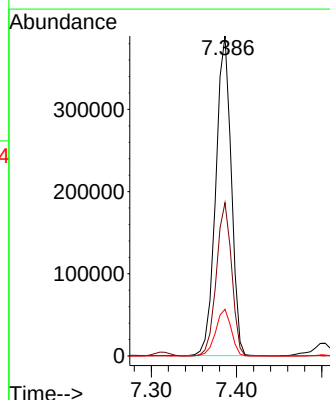
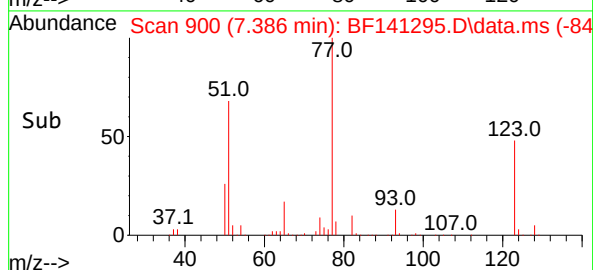
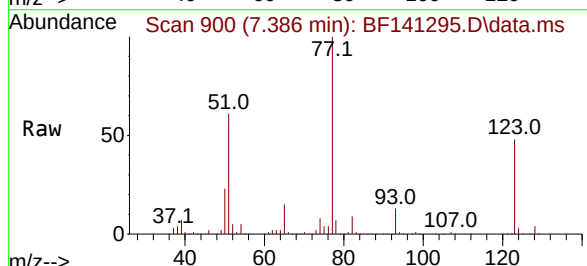
Tgt Ion: 77 Resp: 492082

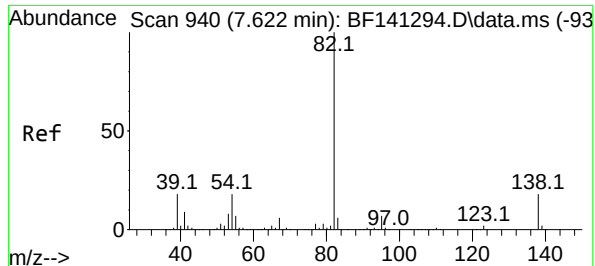
Ion Ratio Lower Upper

77 100

123 47.9 37.3 55.9

65 14.6 11.8 17.6





#25

Isophorone

Concen: 48.959 ng

RT: 7.622 min Scan# 940

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion: 82 Resp: 818490

Ion Ratio Lower Upper

82 100

95 7.0 5.8 8.6

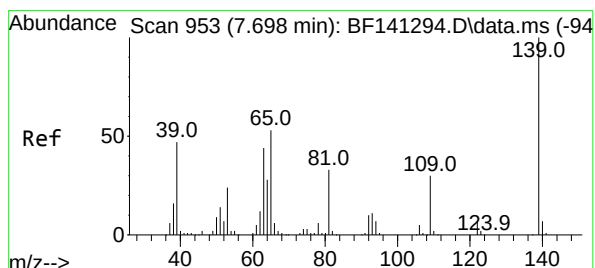
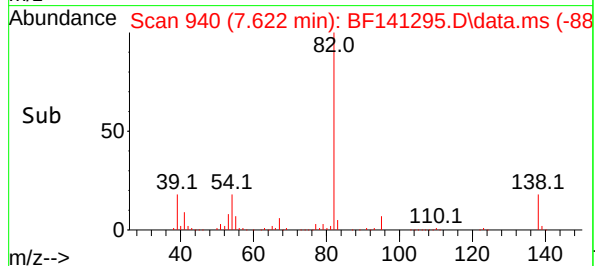
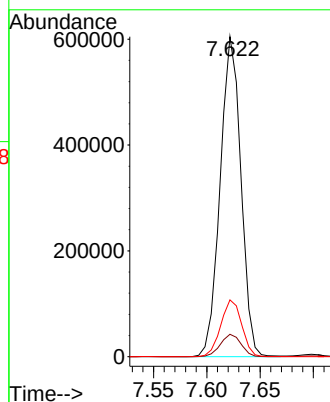
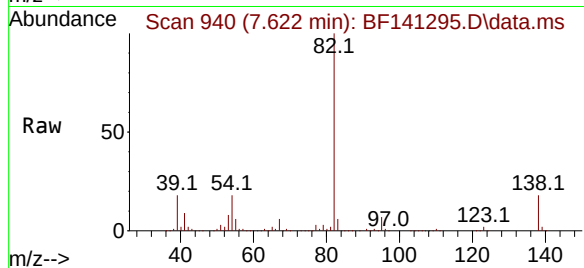
138 17.7 14.7 22.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#26

2-Nitrophenol

Concen: 51.545 ng

RT: 7.698 min Scan# 953

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

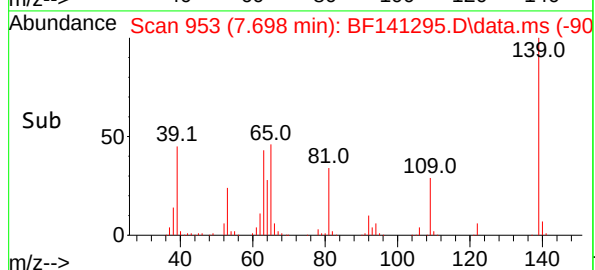
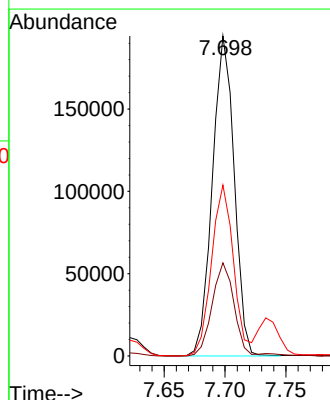
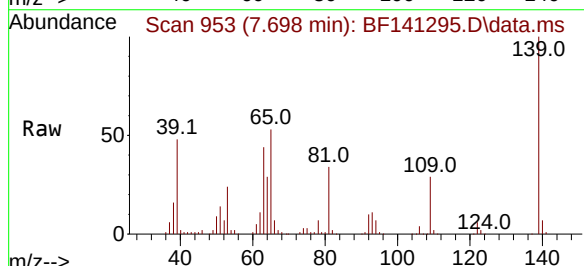
Tgt Ion:139 Resp: 242228

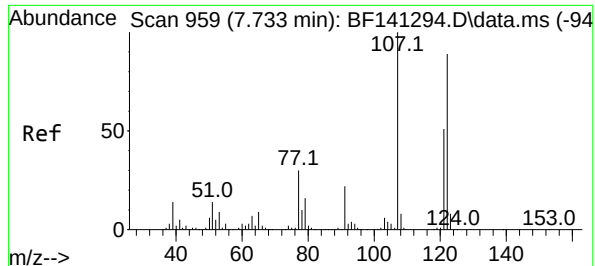
Ion Ratio Lower Upper

139 100

109 29.1 23.8 35.6

65 53.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 49.969 ng m

RT: 7.734 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 300079

Ion Ratio Lower Upper

122 100

107 112.0 89.9 134.9

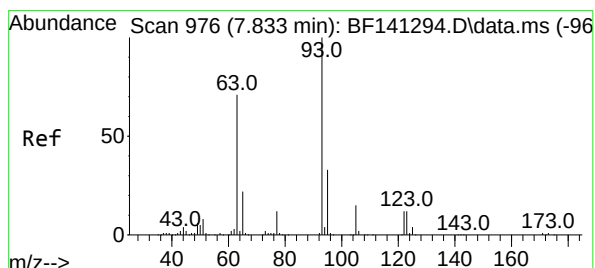
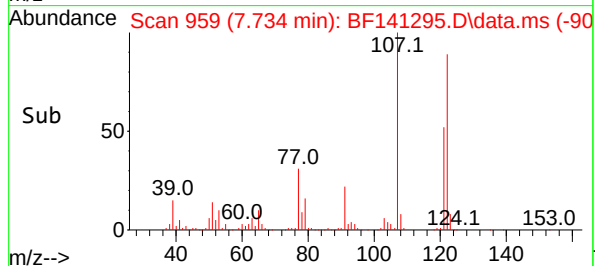
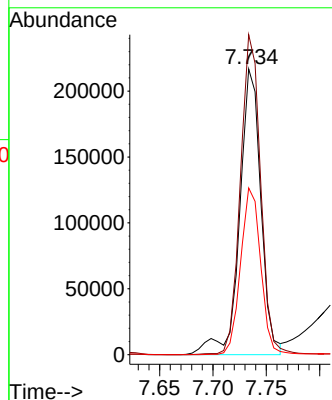
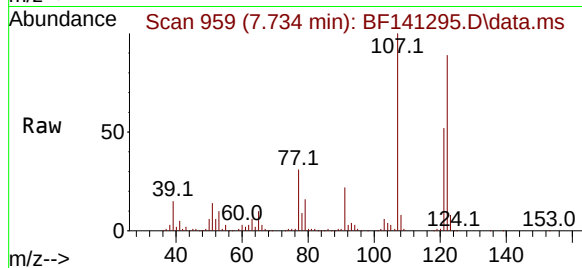
121 58.3 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.701 ng

RT: 7.833 min Scan# 976

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

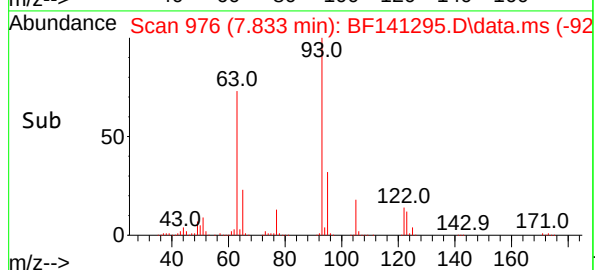
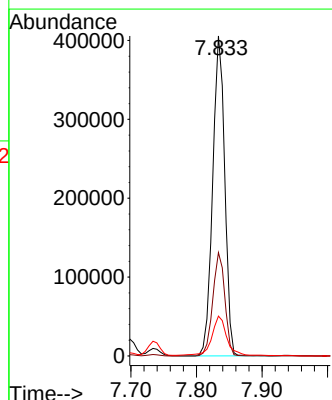
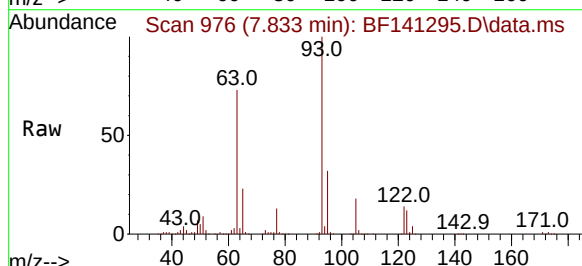
Tgt Ion: 93 Resp: 518825

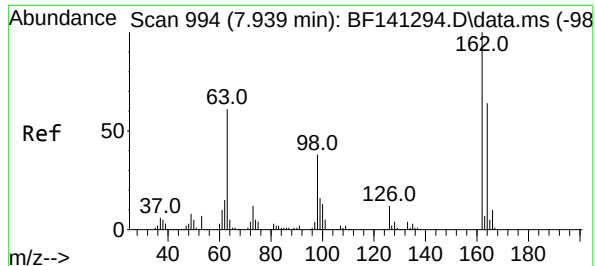
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.2

123 12.4 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141295.D

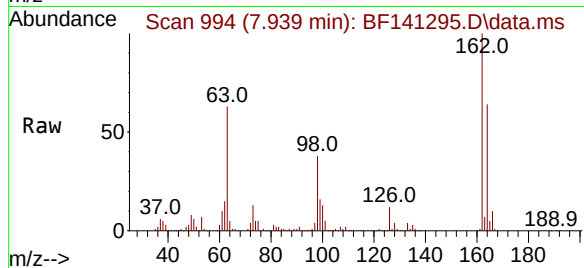
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



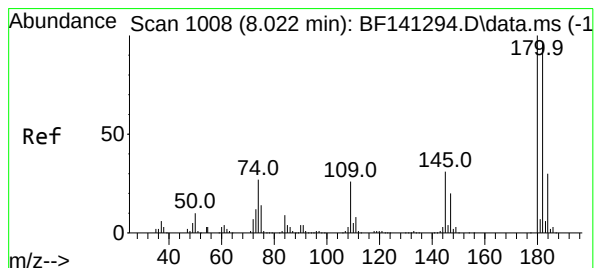
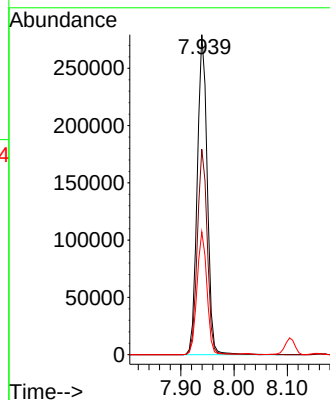
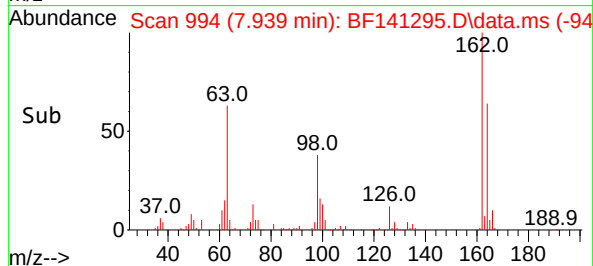
Tgt Ion:162 Resp: 363274

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.4	18.2	58.2

Manual Integrations

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



#30

1,2,4-Trichlorobenzene

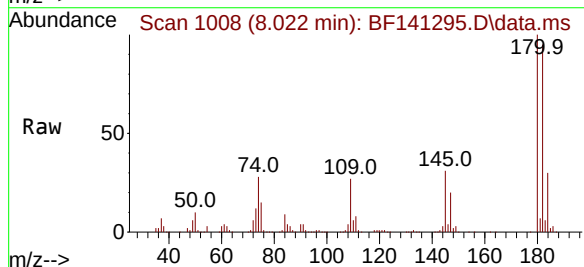
Concen: 48.309 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

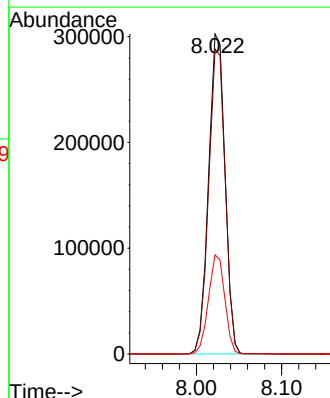
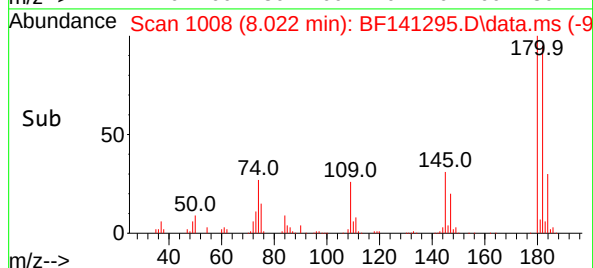
Lab File: BF141295.D

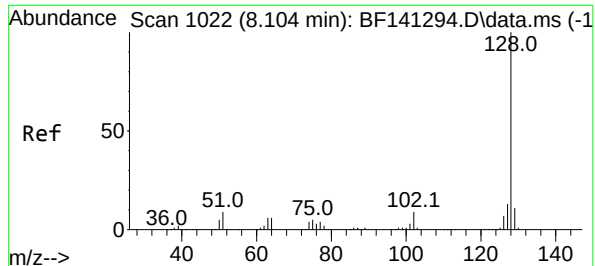
Acq: 29 Jan 2025 16:11



Tgt Ion:180 Resp: 406562

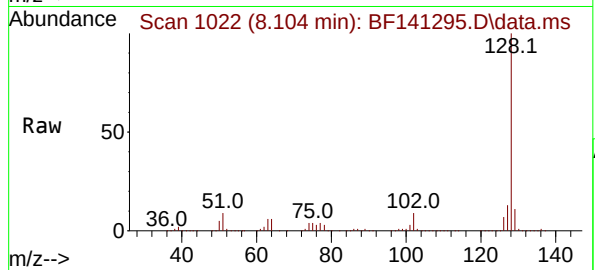
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.0	24.9	37.3





#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

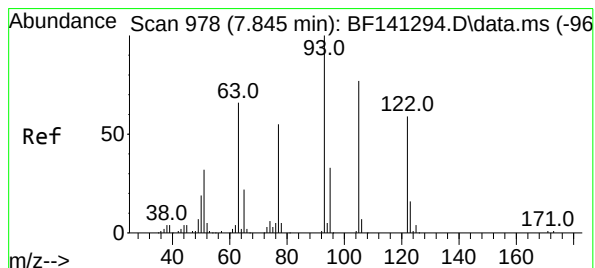
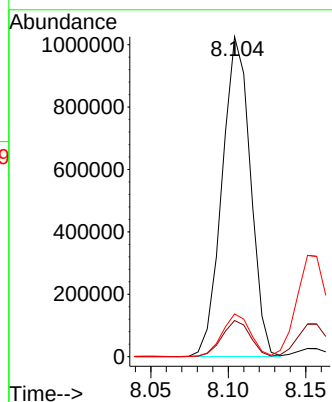
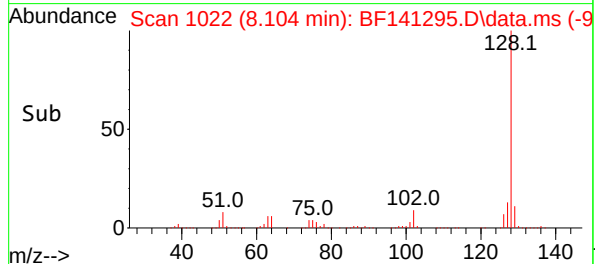
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 1304758
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.3 10.6 15.8

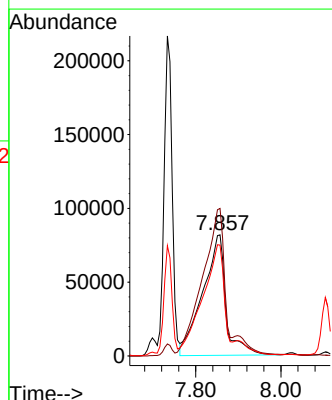
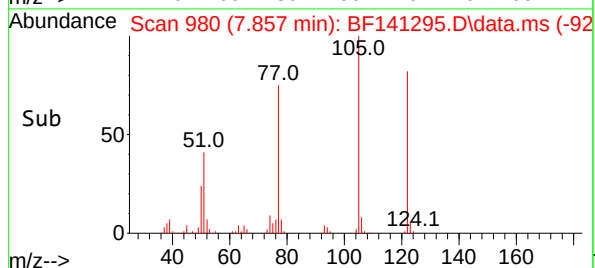
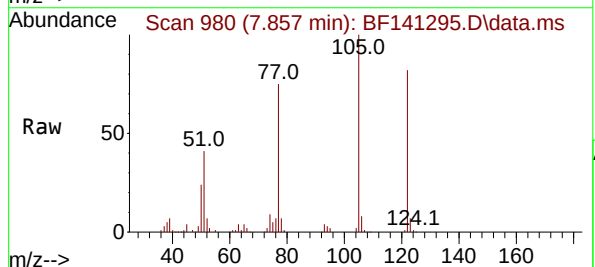
Manual Integrations
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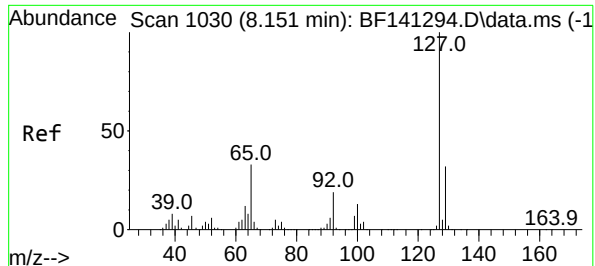
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525
Ion Ratio Lower Upper
122 100
105 121.7 103.4 143.4
77 91.5 70.9 110.9





#33

4-Chloroaniline

Concen: 49.712 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 44954

Ion Ratio Lower Upper

127 100

129 32.2 25.7 38.5

65 32.6 26.4 39.6

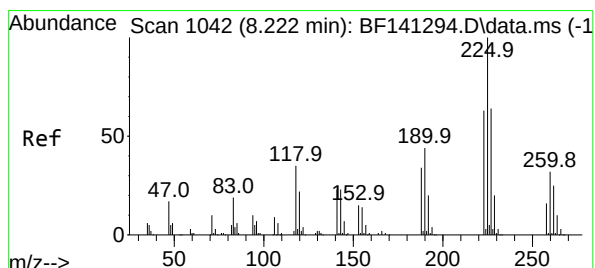
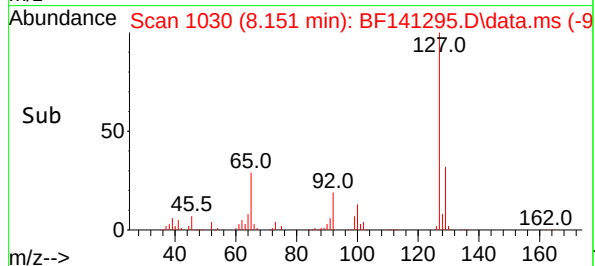
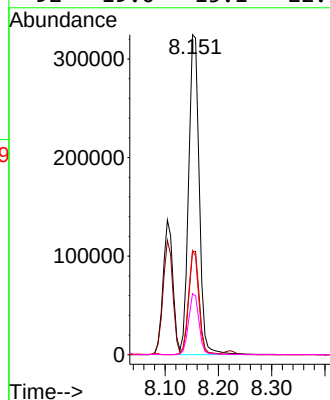
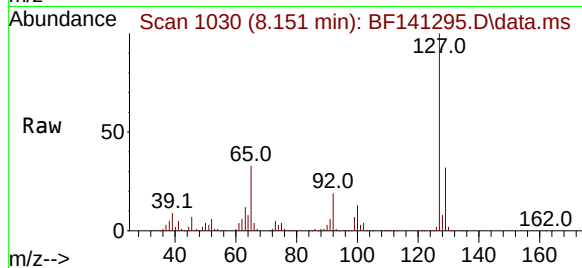
92 19.0 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 49.395 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

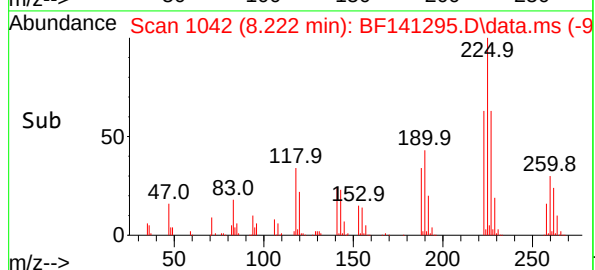
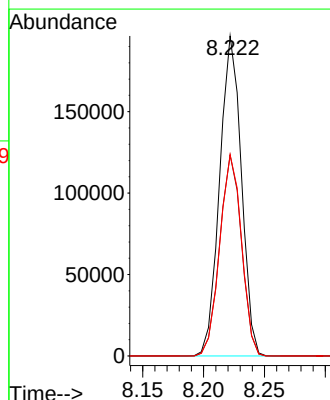
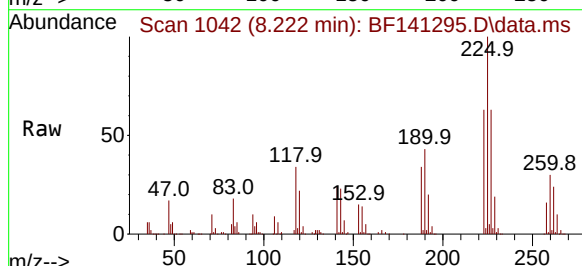
Tgt Ion:225 Resp: 243308

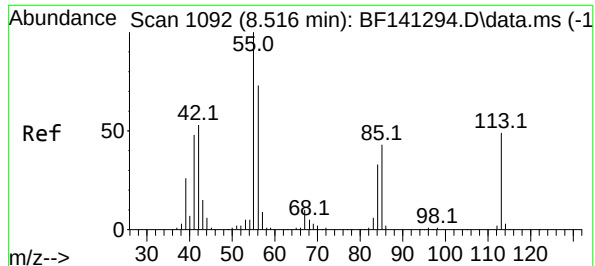
Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

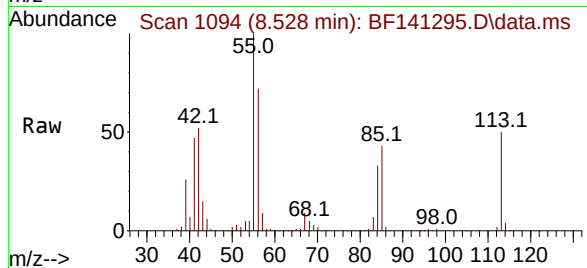
227 62.9 51.3 76.9





#35
 Caprolactam
 Concen: 50.594 ng
 RT: 8.528 min Scan# 1094
 Delta R.T. 0.012 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11

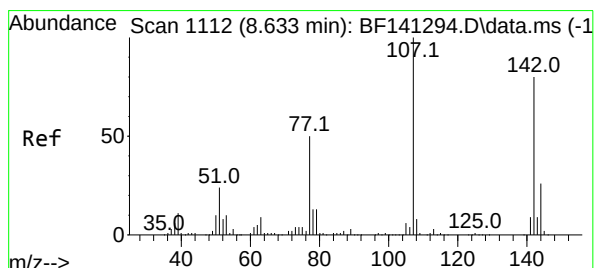
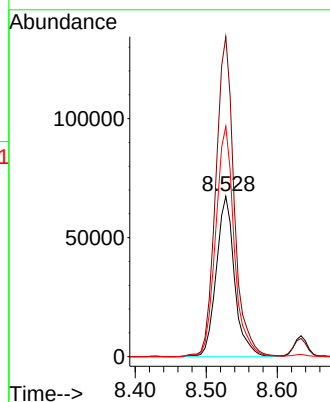
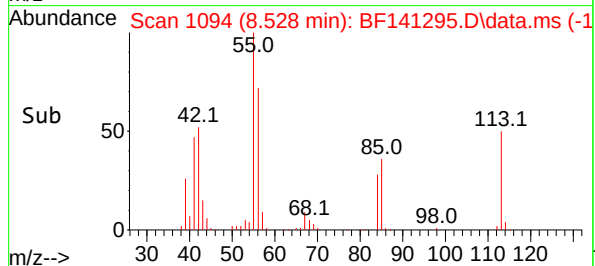
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050



Tgt Ion:113 Resp: 120078
 Ion Ratio Lower Upper
 113 100
 55 199.5 182.9 222.9
 56 143.7 127.9 167.9

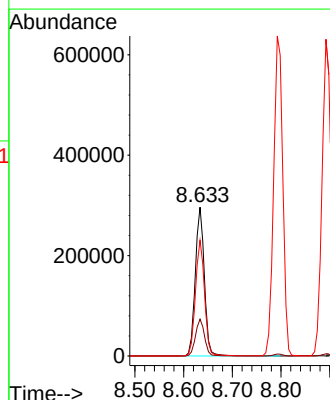
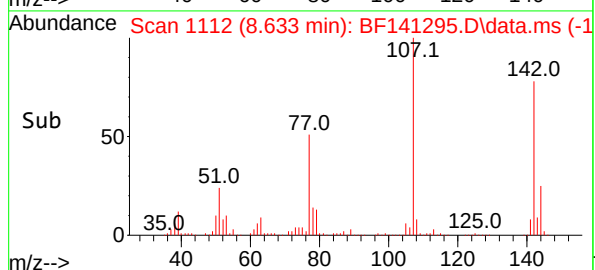
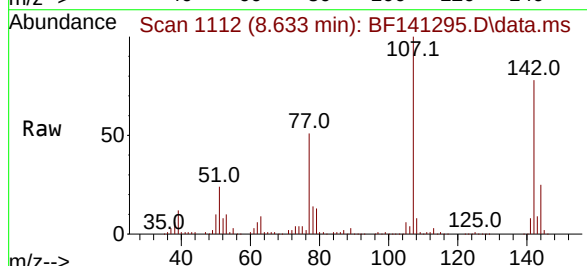
Manual Integrations
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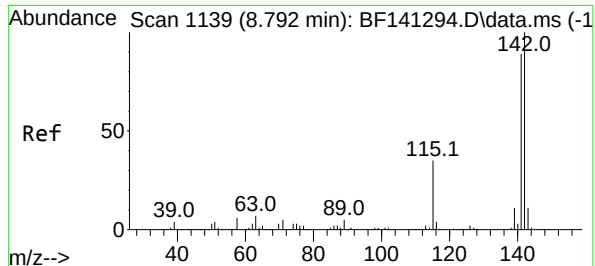
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025



#36
 4-Chloro-3-methylphenol
 Concen: 48.973 ng
 RT: 8.633 min Scan# 1112
 Delta R.T. 0.000 min
 Lab File: BF141295.D
 Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683
 Ion Ratio Lower Upper
 107 100
 144 24.8 20.7 31.1
 142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 48.006 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:142 Resp: 822980

Ion Ratio Lower Upper

142 100

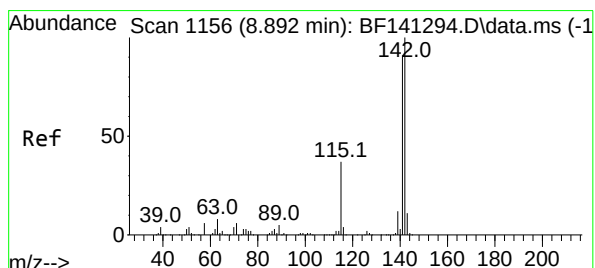
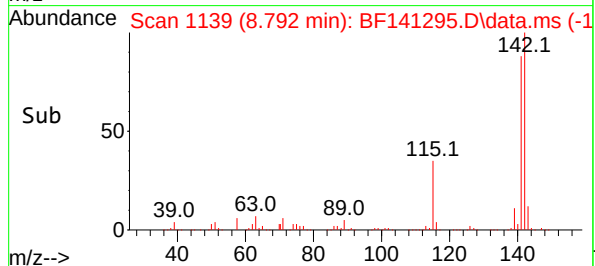
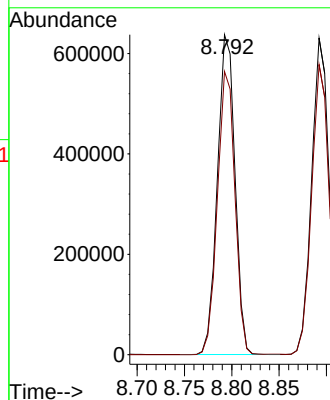
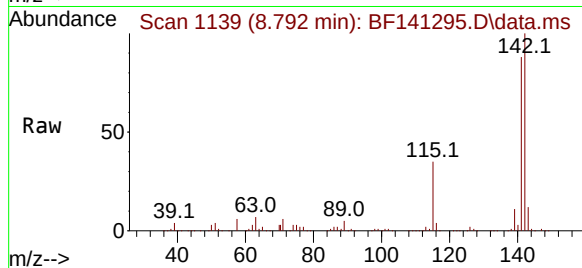
141 88.5 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#38

1-Methylnaphthalene

Concen: 47.586 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.000 min

Lab File: BF141295.D

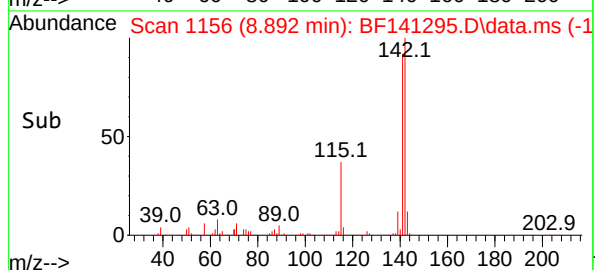
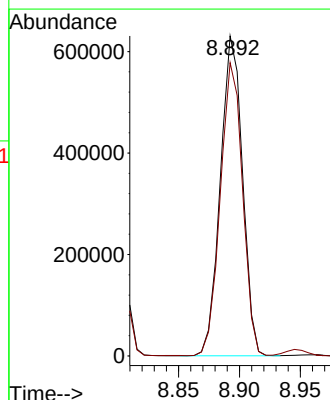
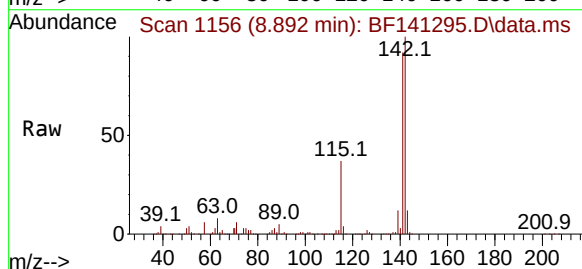
Acq: 29 Jan 2025 16:11

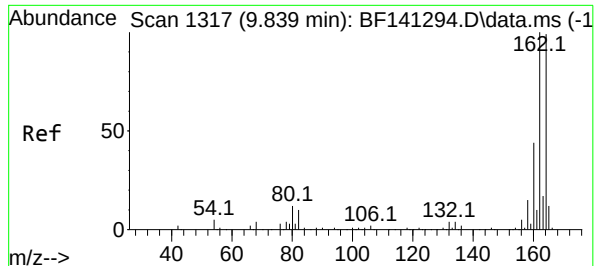
Tgt Ion:142 Resp: 799136

Ion Ratio Lower Upper

142 100

141 91.6 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141295.D

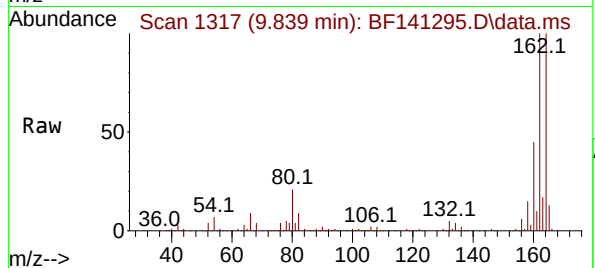
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:164 Resp: 269662

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

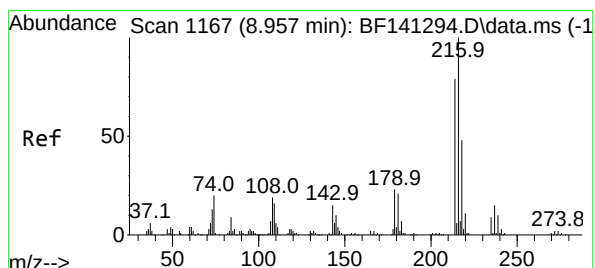
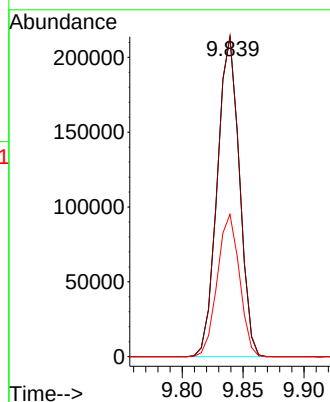
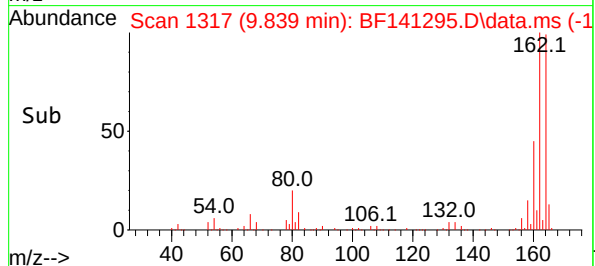
160 44.5 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

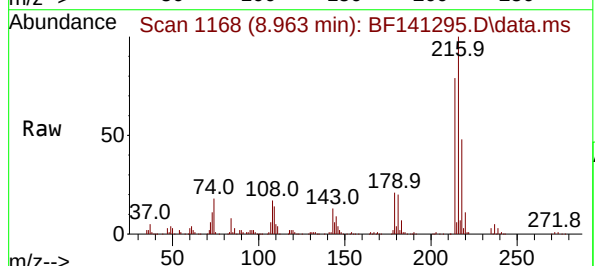
Concen: 48.774 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:216 Resp: 373963

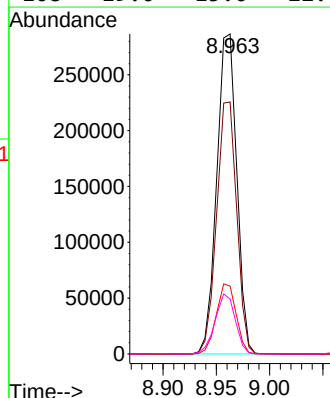
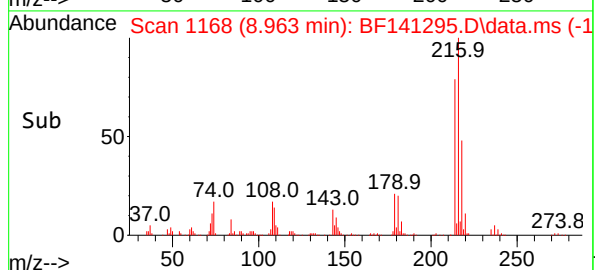
Ion Ratio Lower Upper

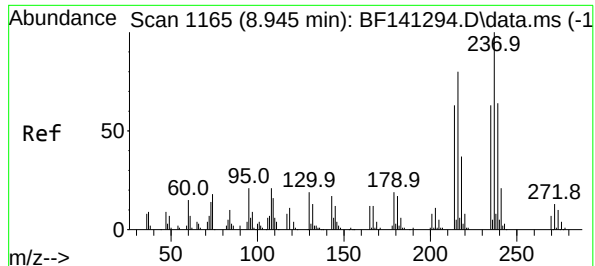
216 100

214 79.0 63.2 94.8

179 21.7 17.8 26.8

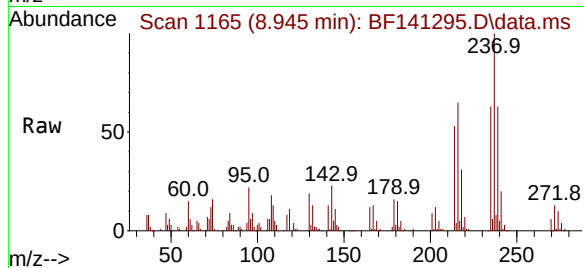
108 19.0 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

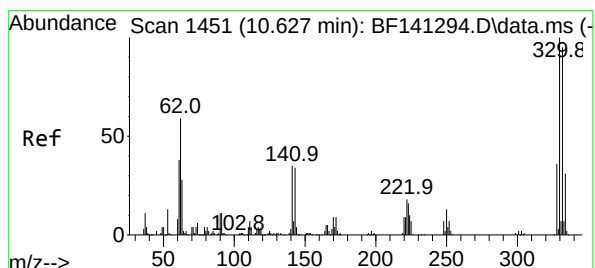
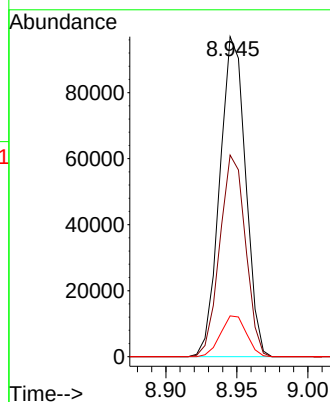
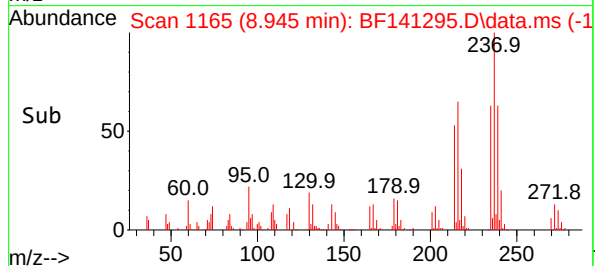
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



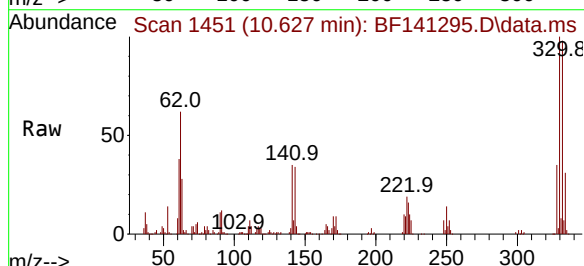
Tgt Ion: 237 Resp: 122470
Ion Ratio Lower Upper
237 100
235 63.0 42.9 82.9
272 12.7 0.0 32.8

Manual Integrations
APPROVED

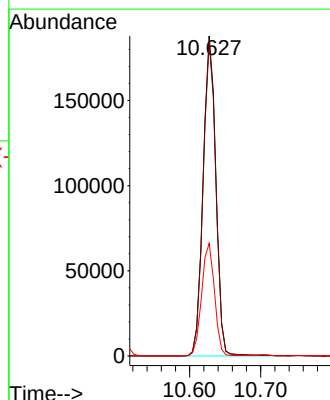
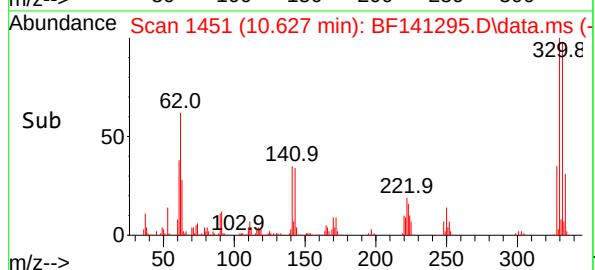
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

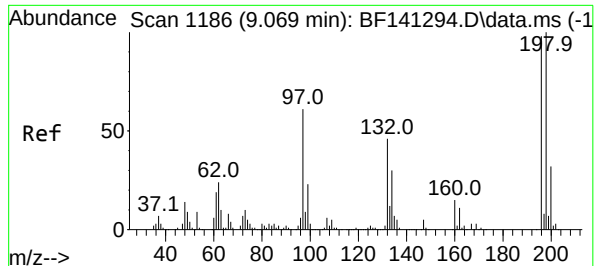


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion: 330 Resp: 235884
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 35.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 50.545 ng

RT: 9.069 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141295.D

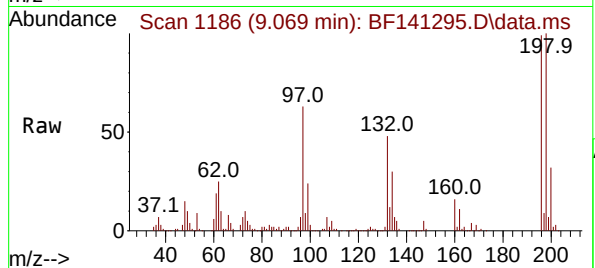
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 252974

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

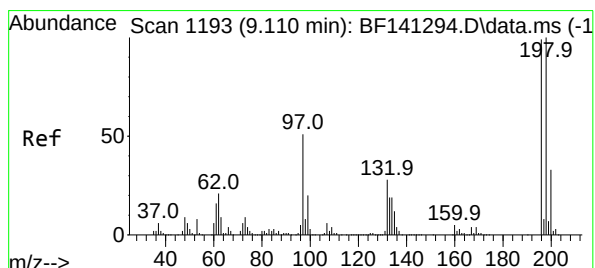
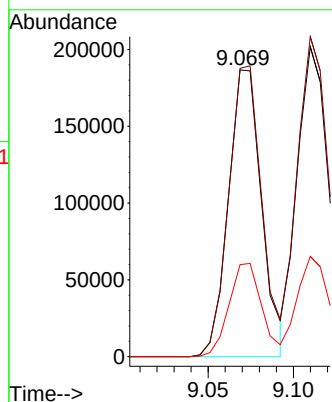
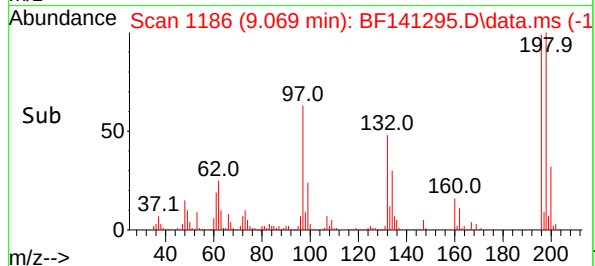
200 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

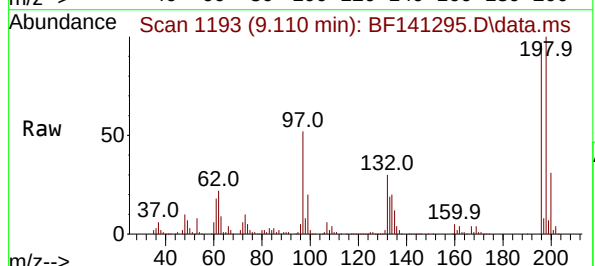
Concen: 48.438 ng

RT: 9.110 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11



Tgt Ion:196 Resp: 263745

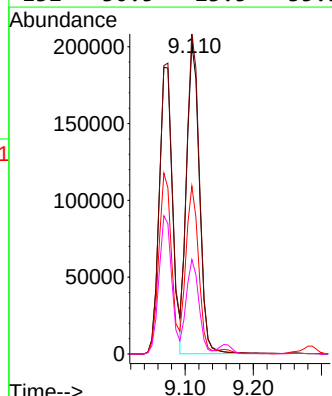
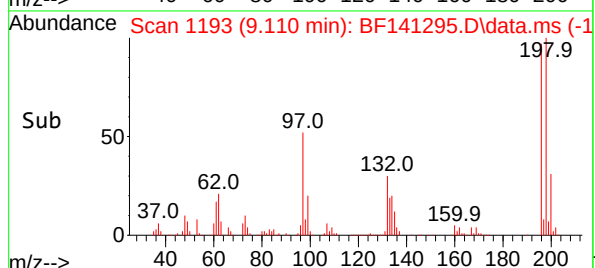
Ion Ratio Lower Upper

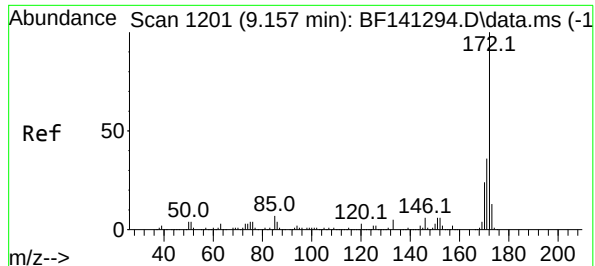
196 100

198 103.2 80.5 120.7

97 54.1 42.8 64.2

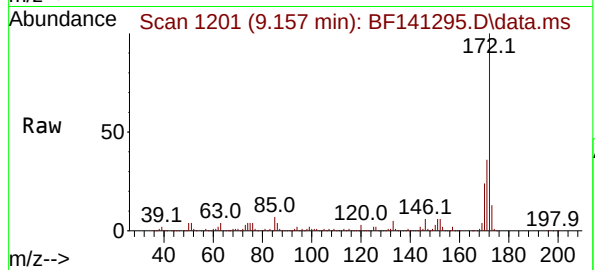
132 30.5 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

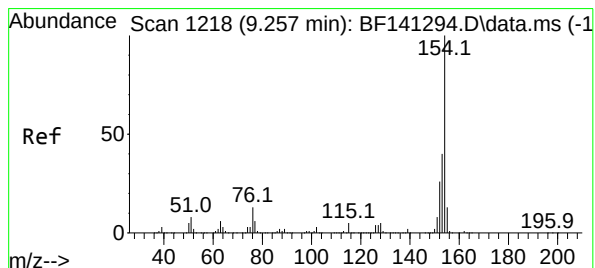
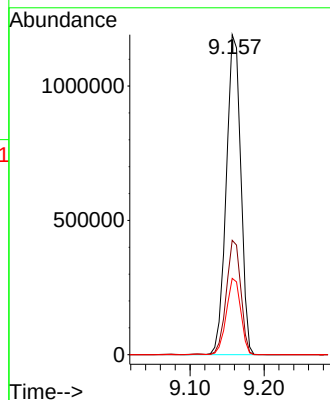
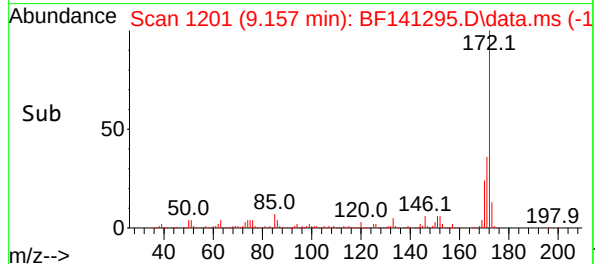
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 1620825
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.0 28.6

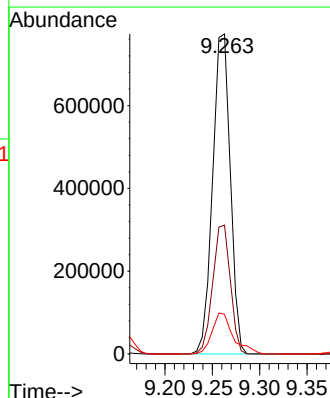
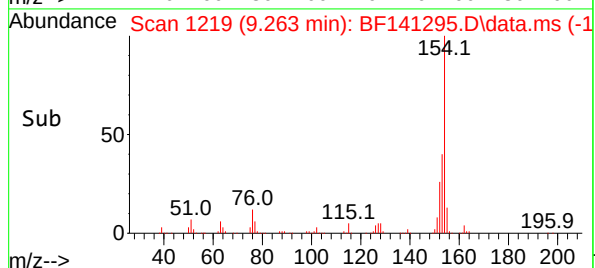
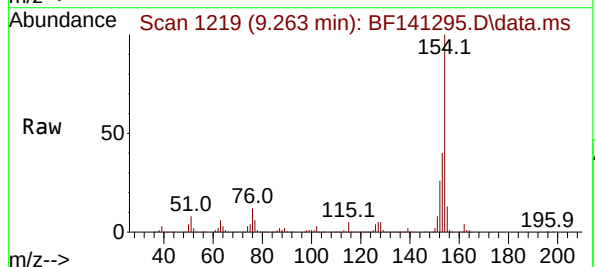
Manual Integrations
APPROVED

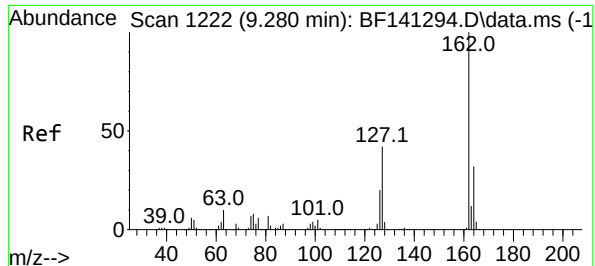
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 12.4 0.0 32.8





#47

2-Chloronaphthalene

Concen: 47.835 ng

RT: 9.286 min Scan# 1222

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 78161

Ion Ratio Lower Upper

162 100

127 41.3 33.7 50.5

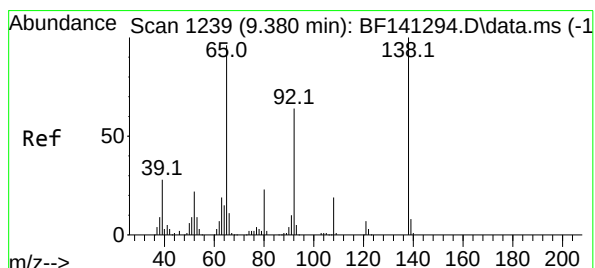
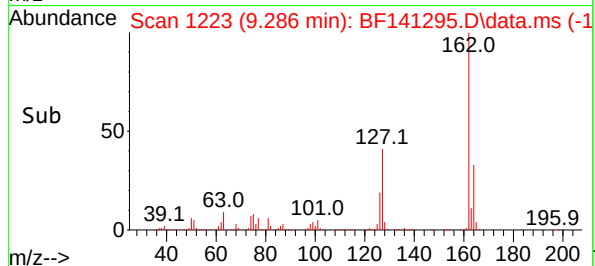
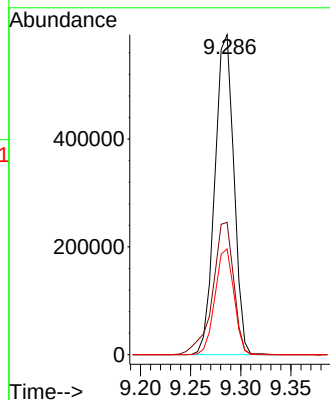
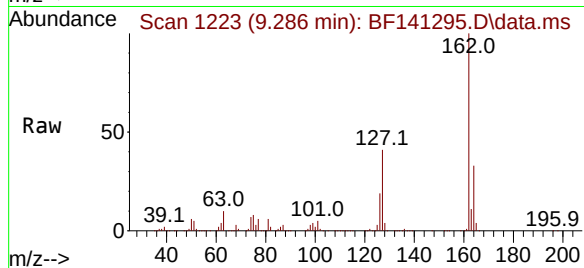
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 49.907 ng

RT: 9.380 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

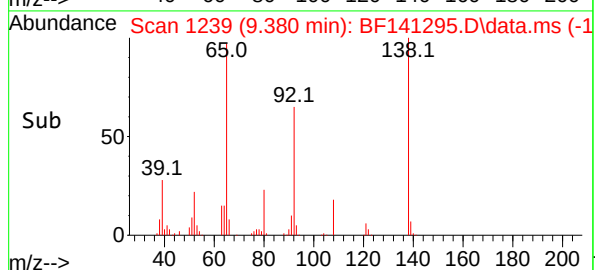
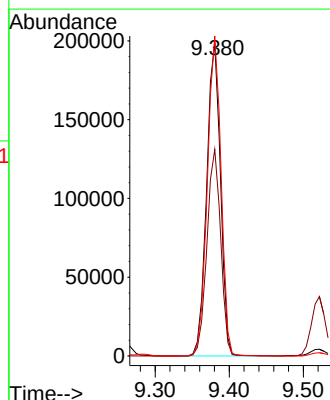
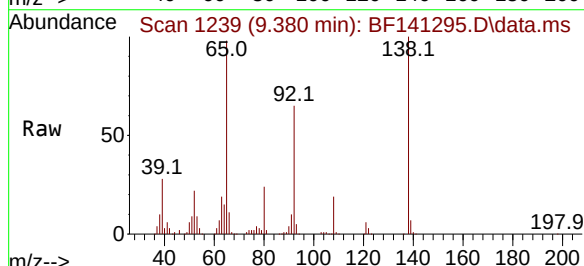
Tgt Ion: 65 Resp: 257199

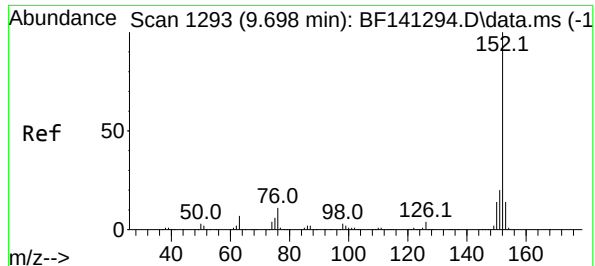
Ion Ratio Lower Upper

65 100

92 66.0 53.3 79.9

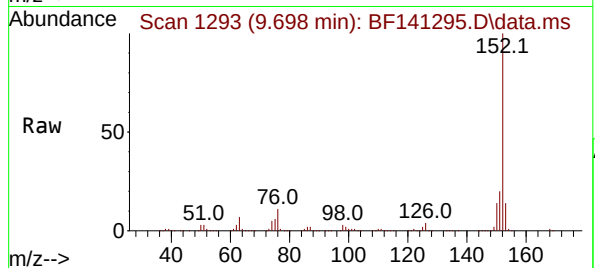
138 102.3 83.6 125.4





#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

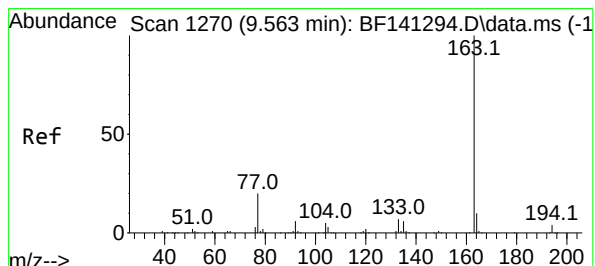
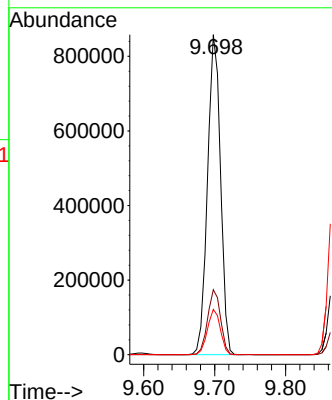
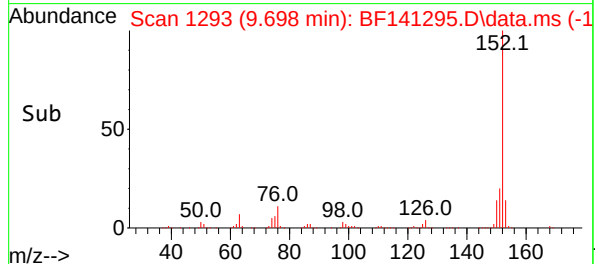
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



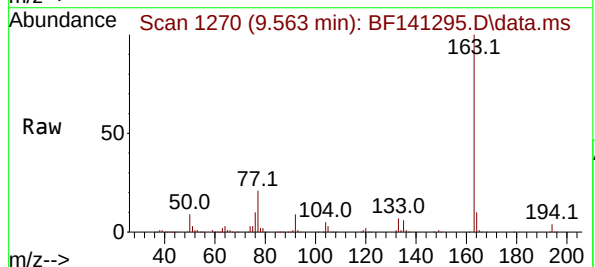
Tgt Ion:152 Resp: 1092234
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 14.2 11.0 16.6

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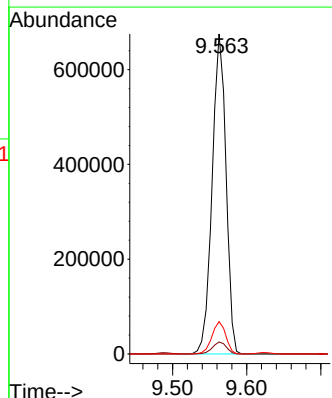
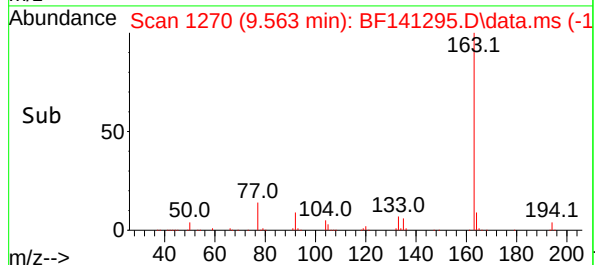
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

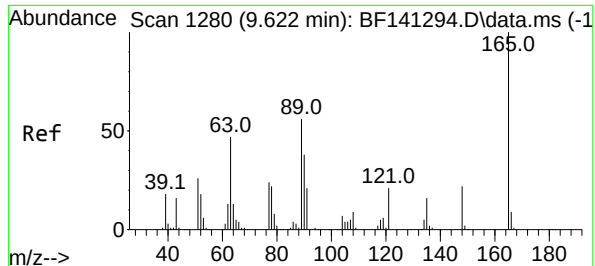


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



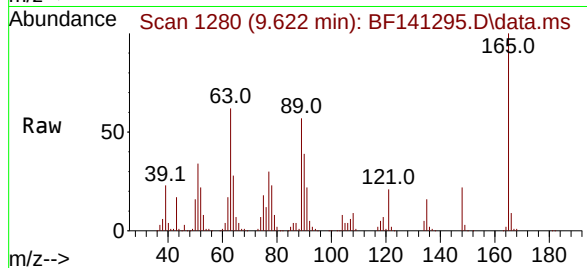
Tgt Ion:163 Resp: 875569
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.1 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

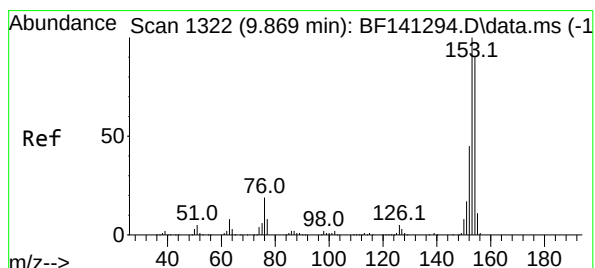
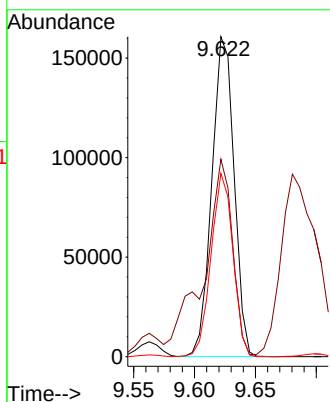
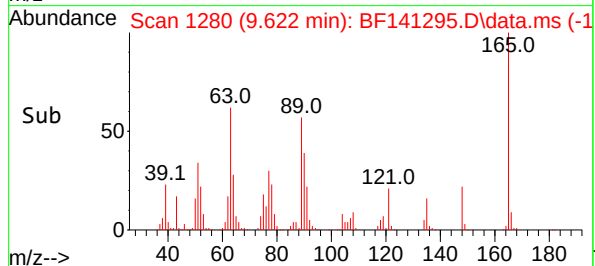
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 20491
Ion Ratio Lower Upper
165 100
63 61.7 48.1 72.1
89 57.3 44.9 67.3

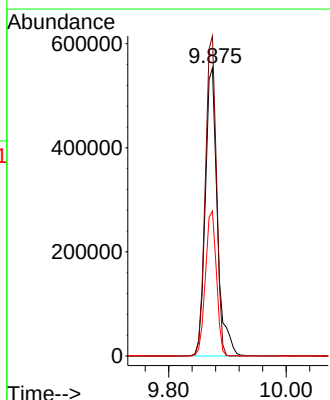
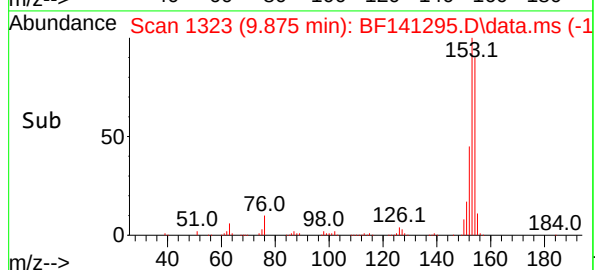
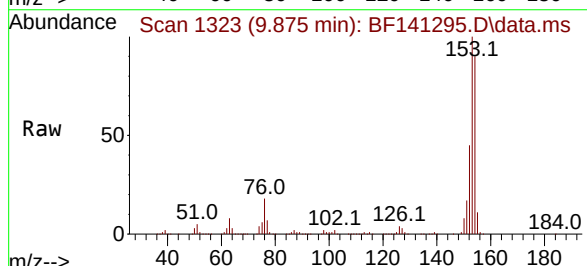
Manual Integrations
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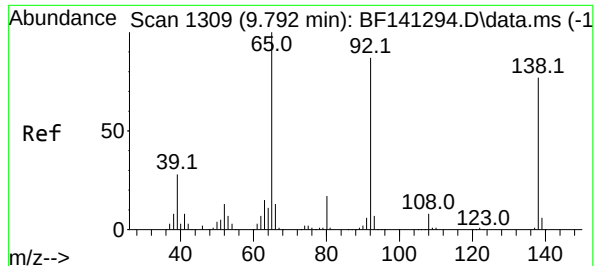
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 789039
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 50.3 40.2 60.4





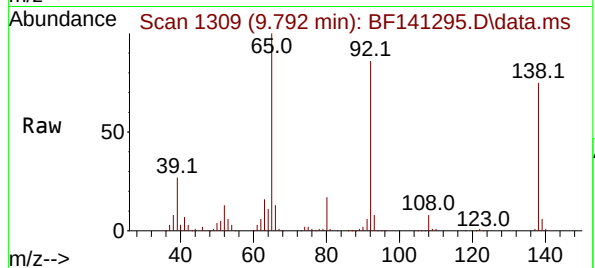
#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

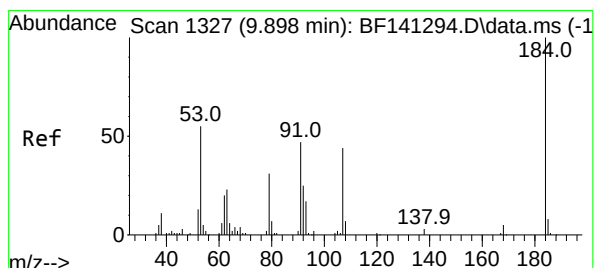
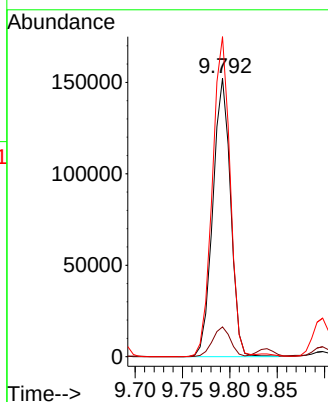
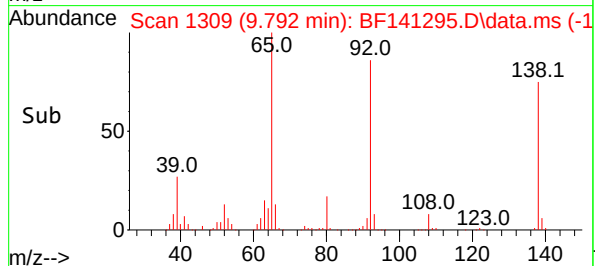


Tgt Ion:138 Resp: 197832
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.0 91.0 136.6

Manual Integrations

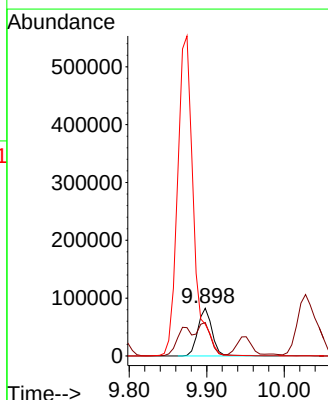
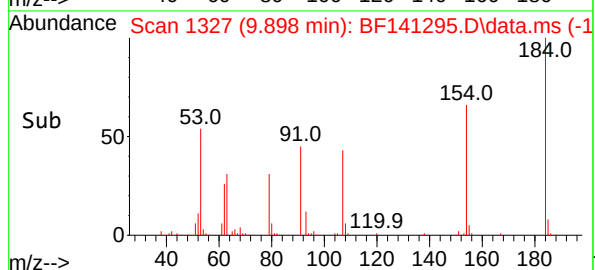
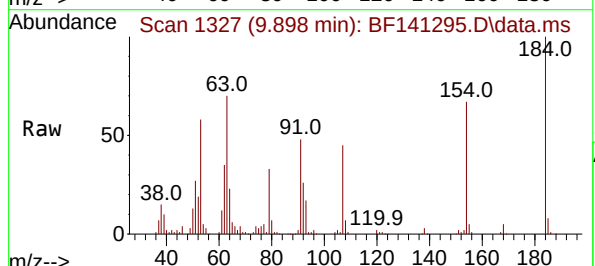
APPROVED

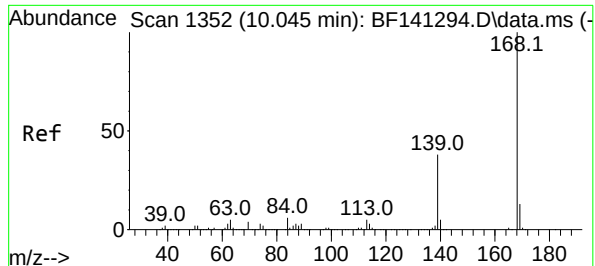
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313
Ion Ratio Lower Upper
184 100
63 70.3 54.1 81.1
154 66.8 50.7 76.1





#55

Dibenzenofuran

Concen: 47.082 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 102818

Ion Ratio Lower Upper

168 100

139 38.6 30.6 46.0

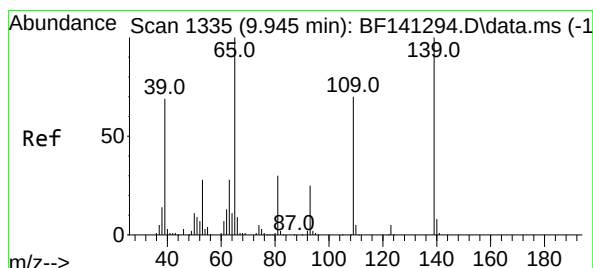
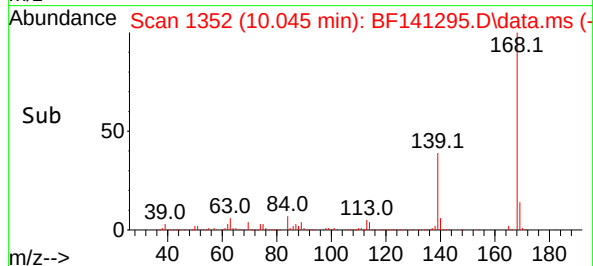
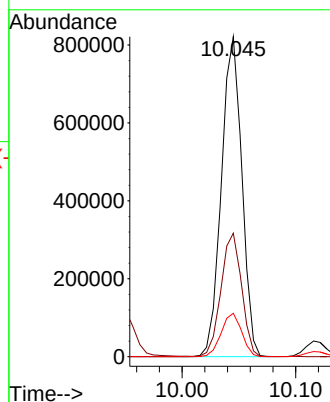
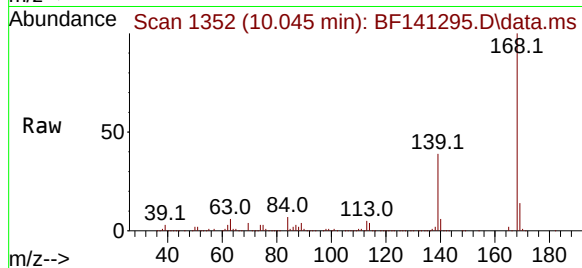
169 13.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 52.067 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

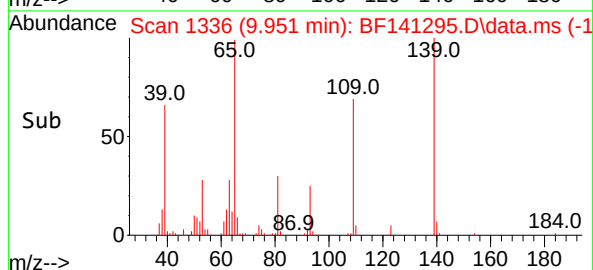
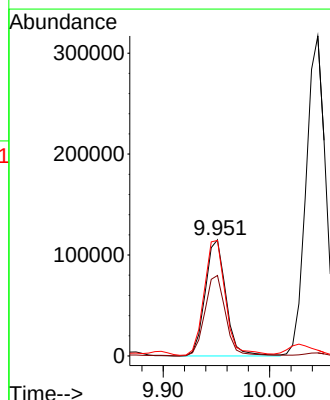
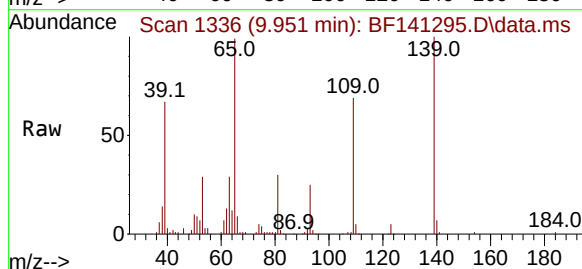
Tgt Ion:139 Resp: 155594

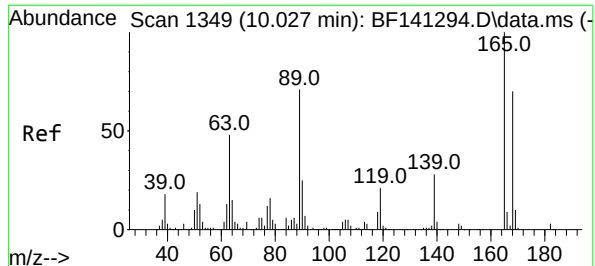
Ion Ratio Lower Upper

139 100

109 69.3 50.2 90.2

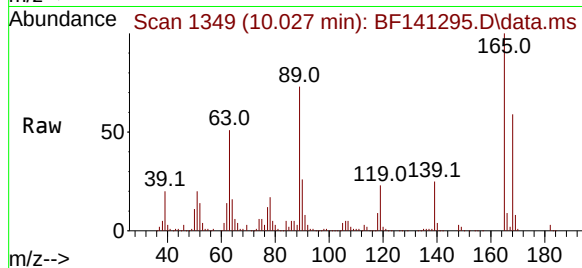
65 99.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

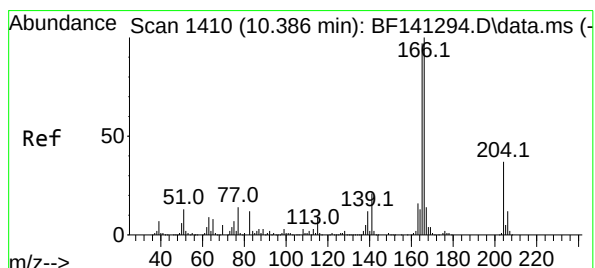
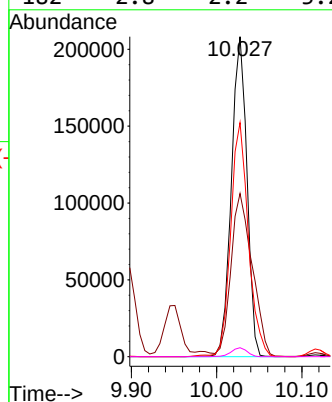
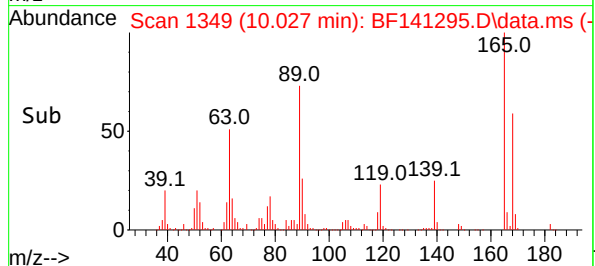
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 264329
Ion Ratio Lower Upper
165 100
63 51.0 39.2 58.8
89 73.1 56.9 85.3
182 2.8 2.2 3.2

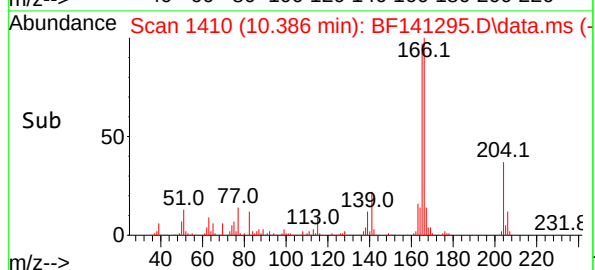
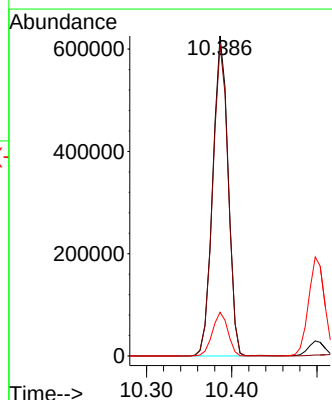
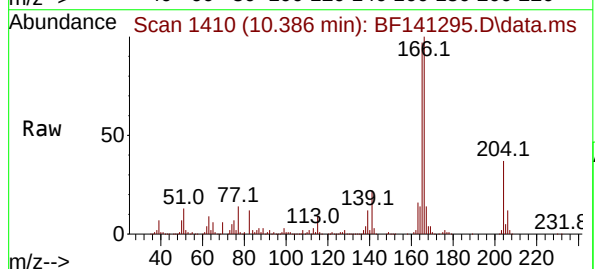
Manual Integrations
APPROVED

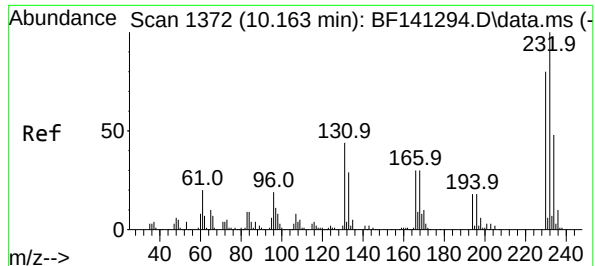
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

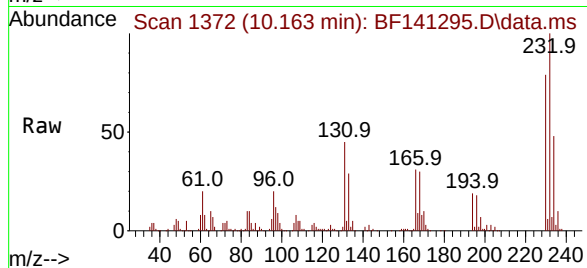
Tgt Ion:166 Resp: 784644
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

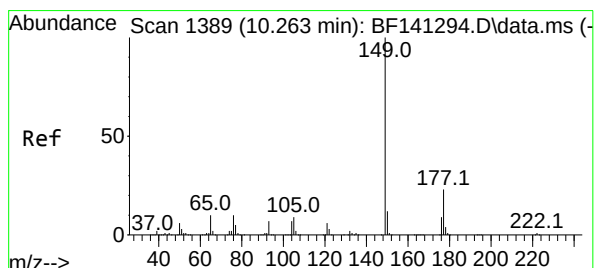
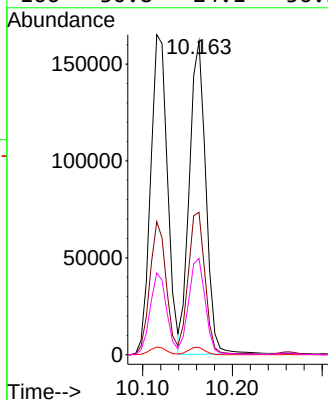
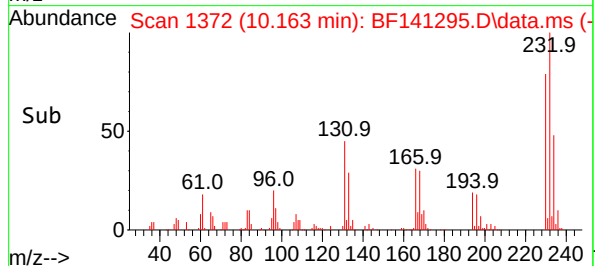
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 205508
Ion Ratio Lower Upper
232 100
131 46.9 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

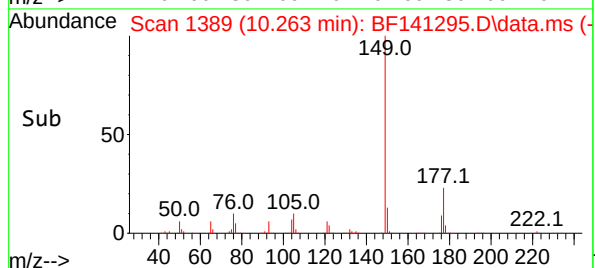
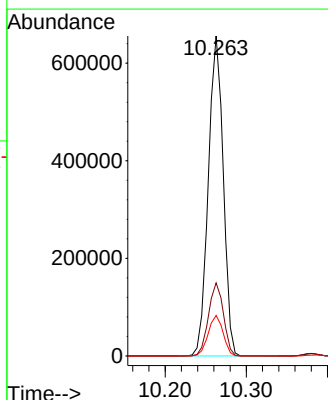
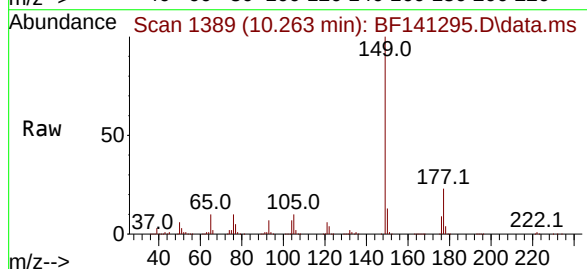
Manual Integrations
APPROVED

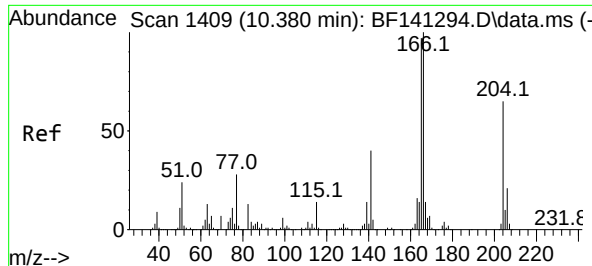
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 834803
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 12.7 10.0 15.0





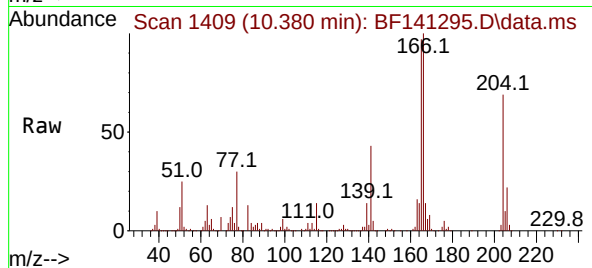
#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

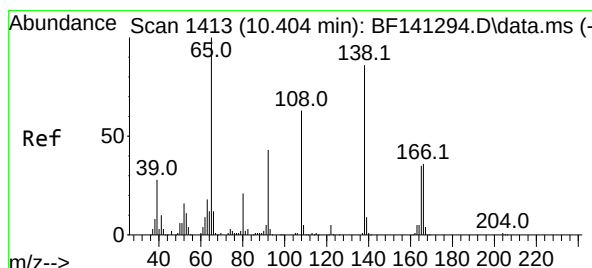
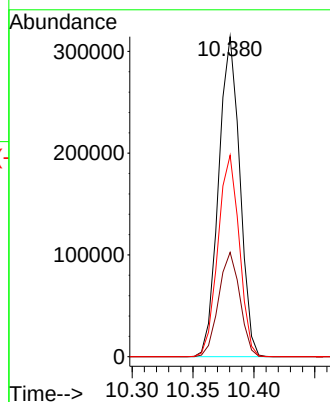
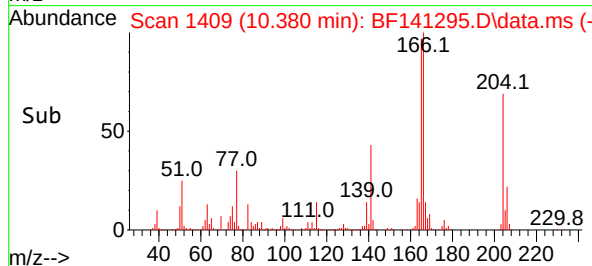


Tgt Ion:204 Resp: 380948
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 62.9 49.5 74.3

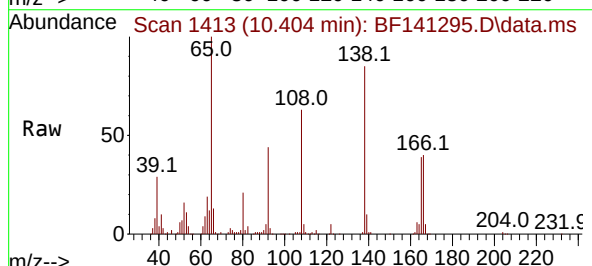
Manual Integrations

APPROVED

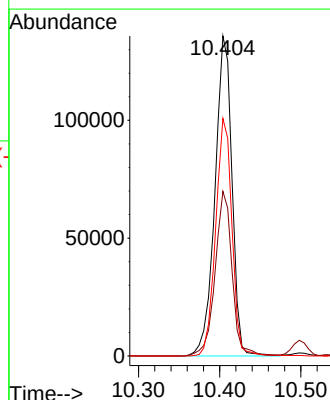
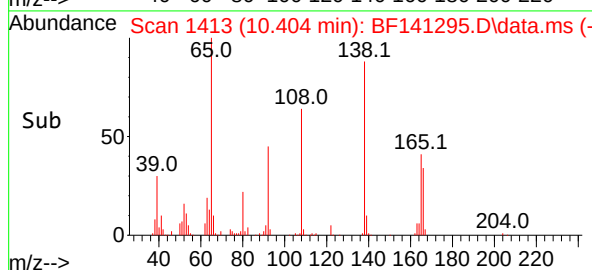
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

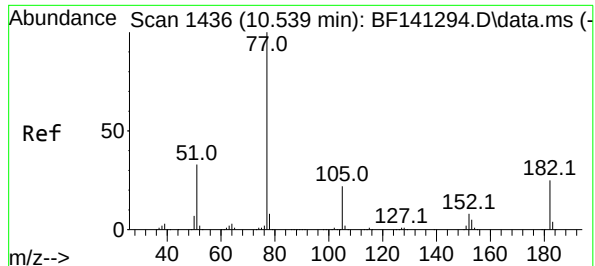


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



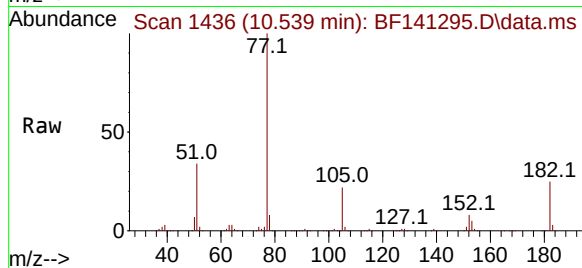
Tgt Ion:138 Resp: 198241
Ion Ratio Lower Upper
138 100
92 51.5 30.1 70.1
108 74.2 53.1 93.1





#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

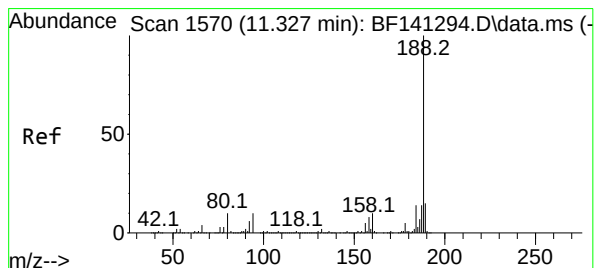
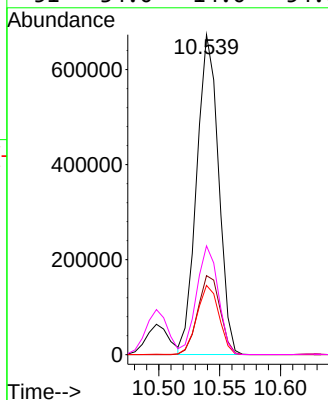
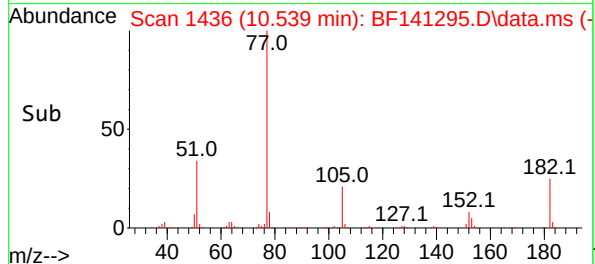
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 84179
Ion Ratio Lower Upper
77 100
182 24.7 5.1 45.1
105 21.7 1.8 41.8
51 34.0 14.0 54.0

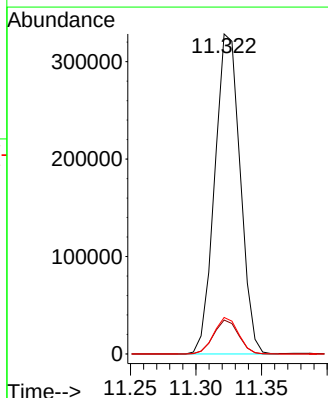
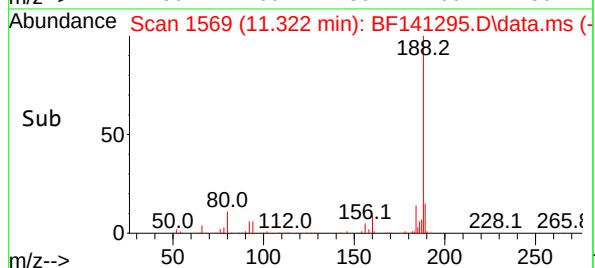
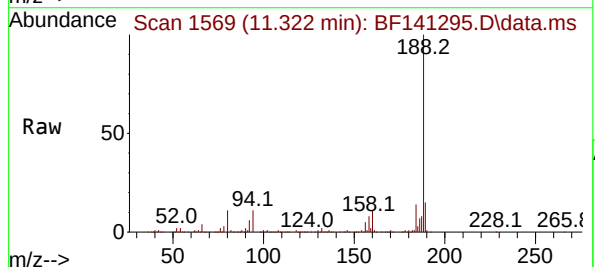
Manual Integrations
APPROVED

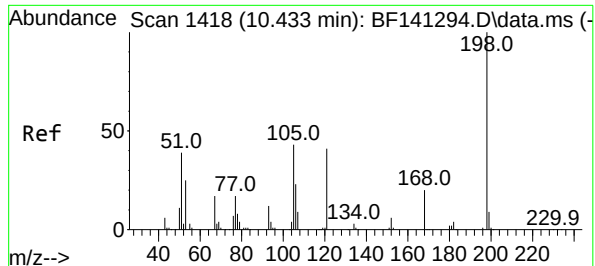
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

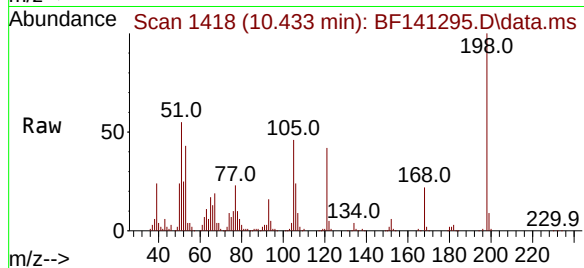
Tgt Ion:188 Resp: 442506
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

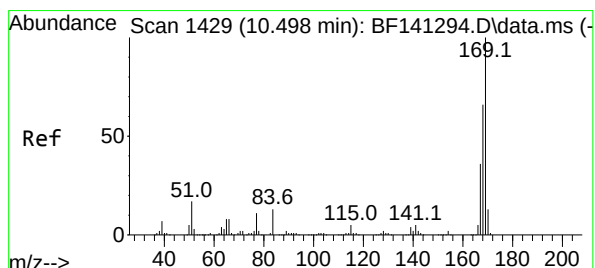
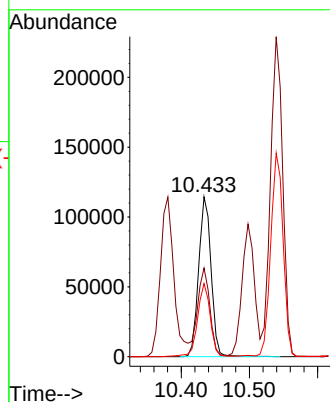
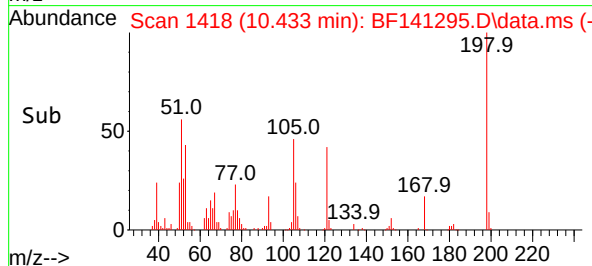
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 144574
Ion Ratio Lower Upper
198 100
51 55.4 33.4 73.4
105 45.8 24.4 64.4

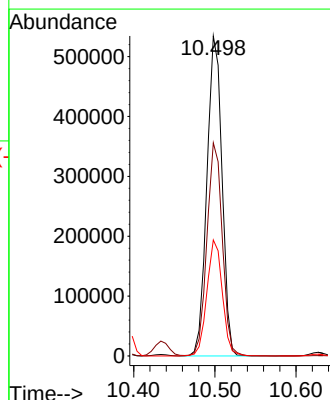
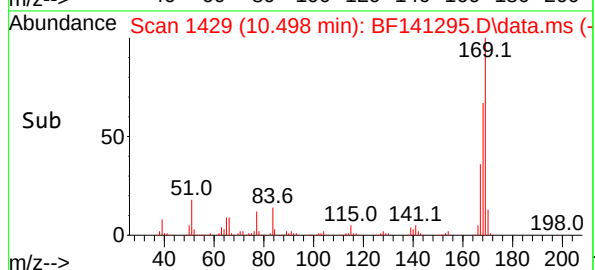
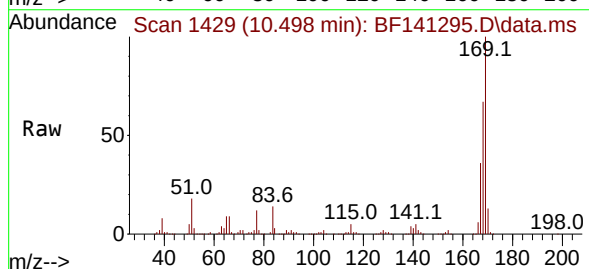
Manual Integrations
APPROVED

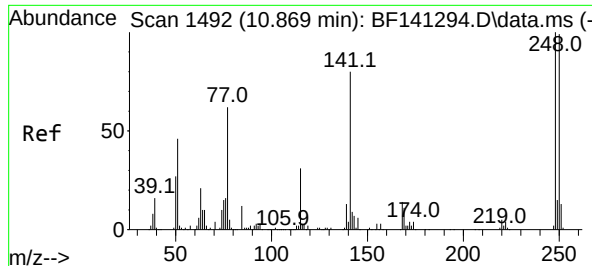
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

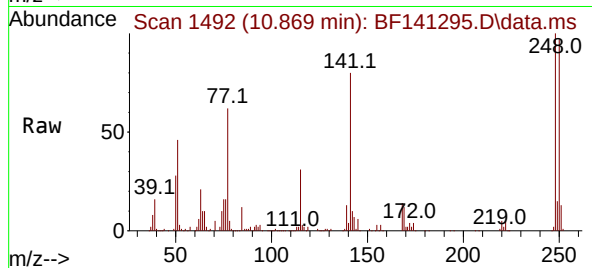
Tgt Ion:169 Resp: 688202
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.2 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

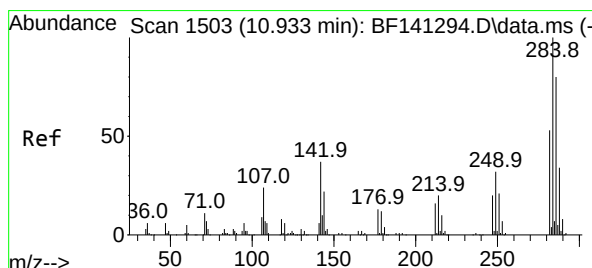
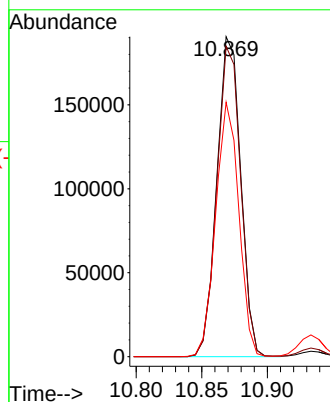
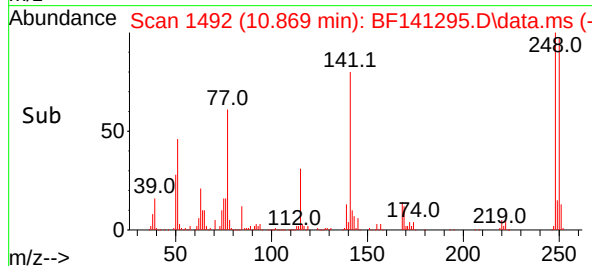
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:248 Resp: 241123
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 79.5 63.7 95.5

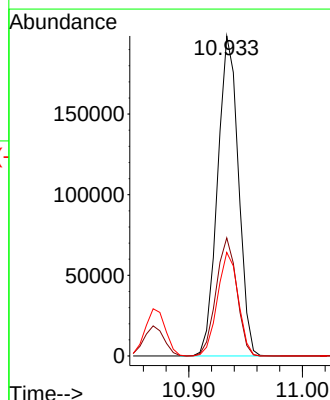
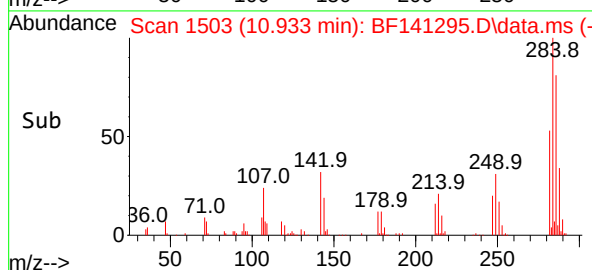
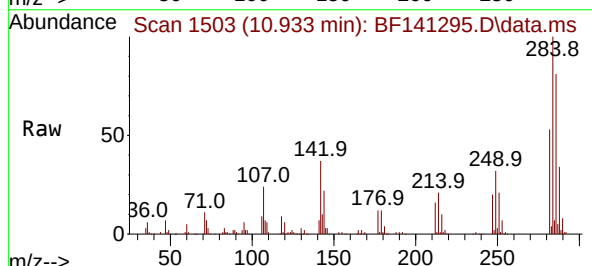
Manual Integrations
APPROVED

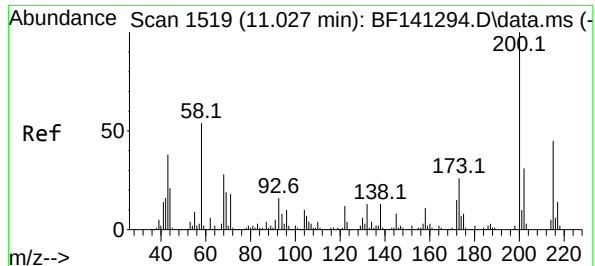
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

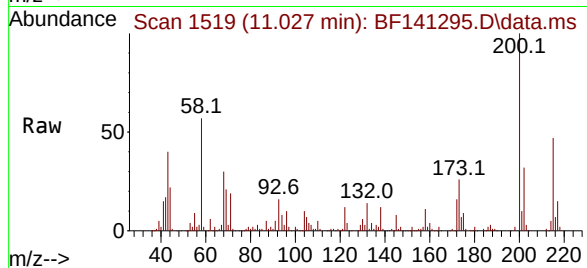
Tgt Ion:284 Resp: 253174
Ion Ratio Lower Upper
284 100
142 36.9 29.5 44.3
249 32.3 25.4 38.2





#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

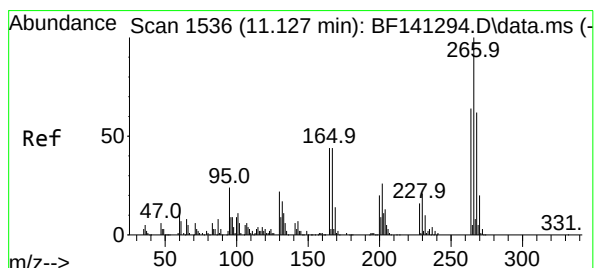
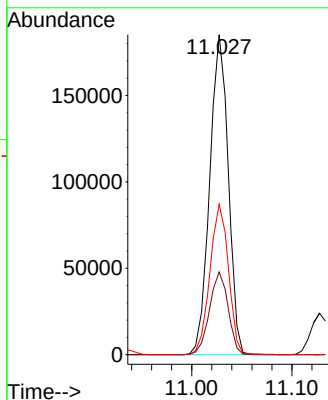
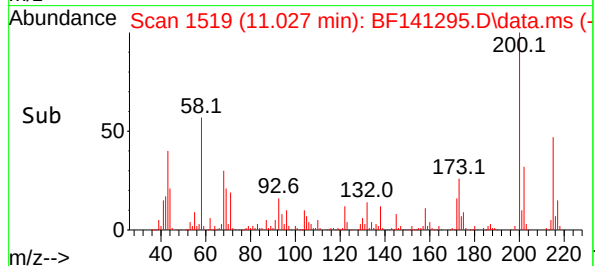
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



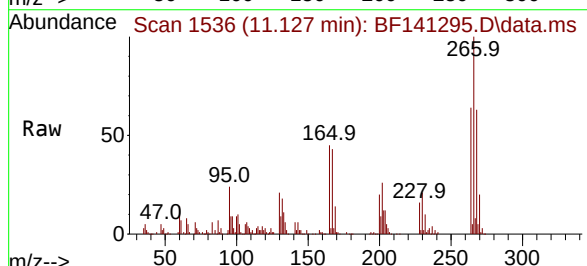
Tgt Ion:200 Resp: 23799
Ion Ratio Lower Upper
200 100
173 25.9 5.9 45.9
215 46.9 25.2 65.2

Manual Integrations
APPROVED

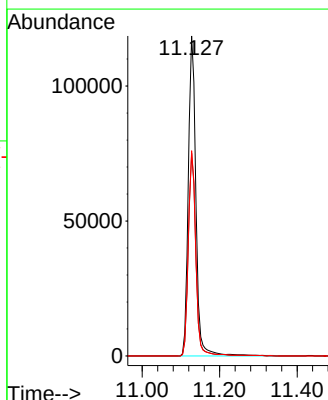
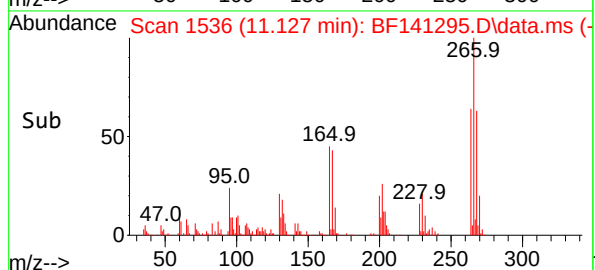
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

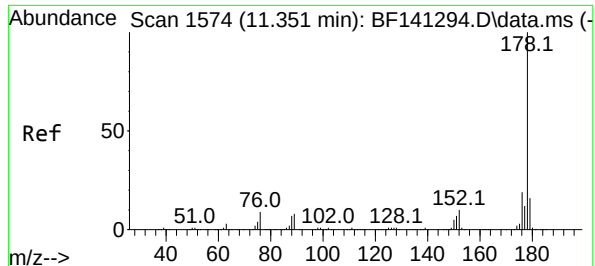


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



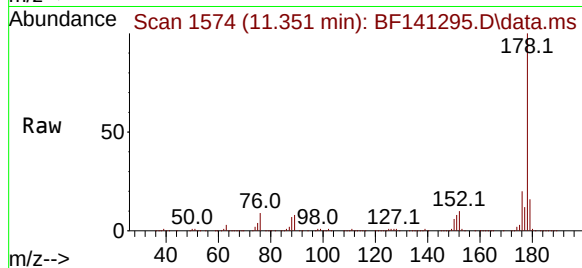
Tgt Ion:266 Resp: 161568
Ion Ratio Lower Upper
266 100
268 63.3 49.9 74.9
264 64.1 51.0 76.4





#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

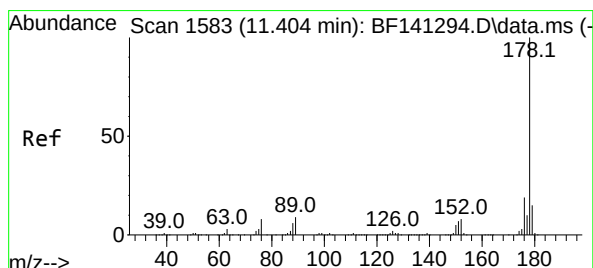
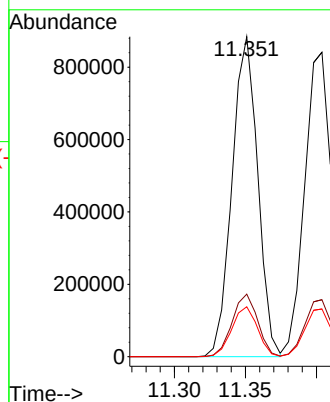
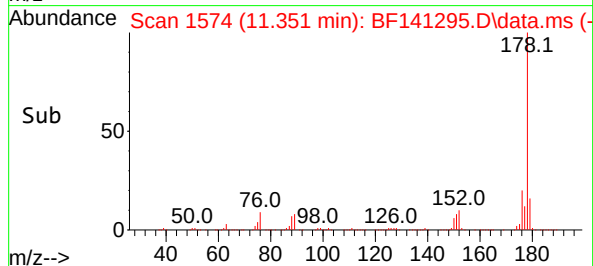
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 1114920
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7

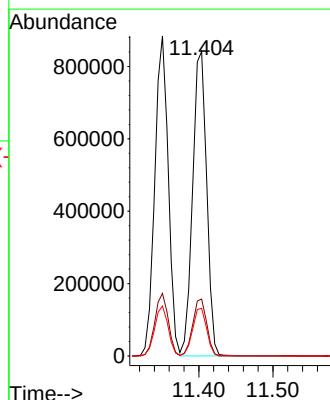
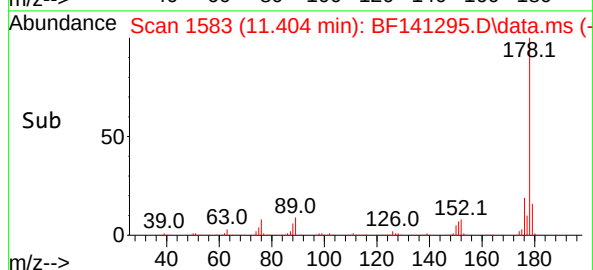
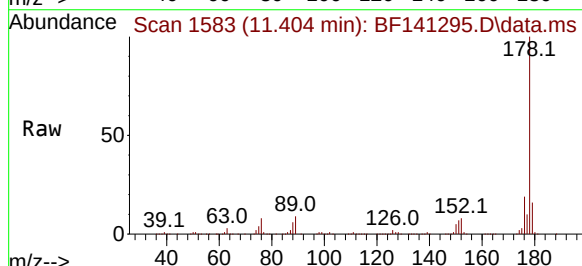
Manual Integrations
APPROVED

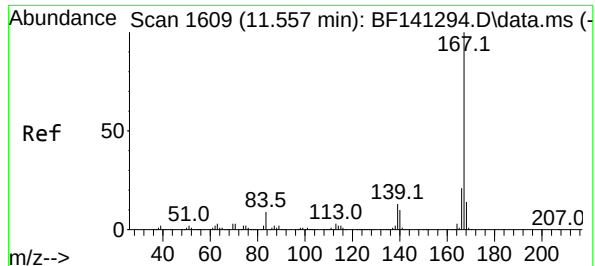
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

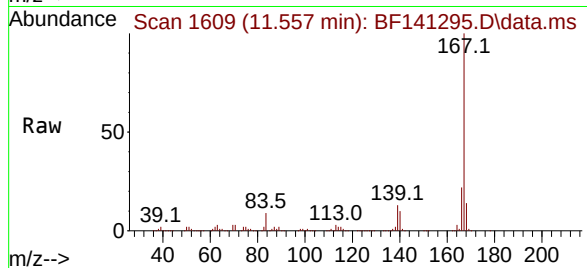
Tgt Ion:178 Resp: 1105681
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

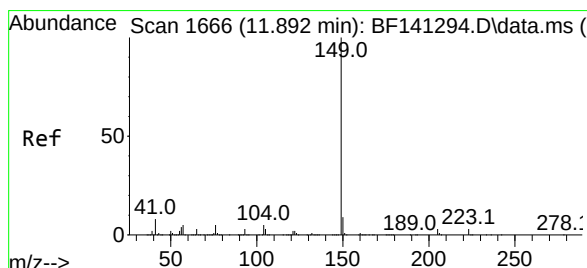
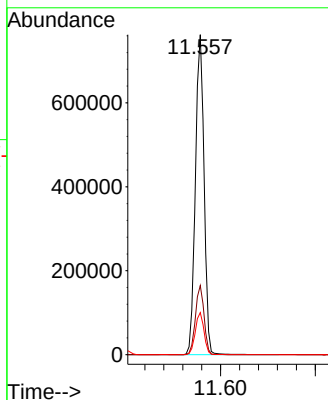
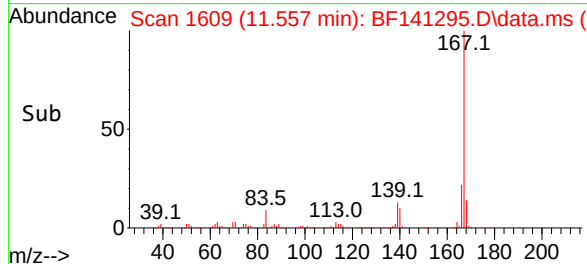
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



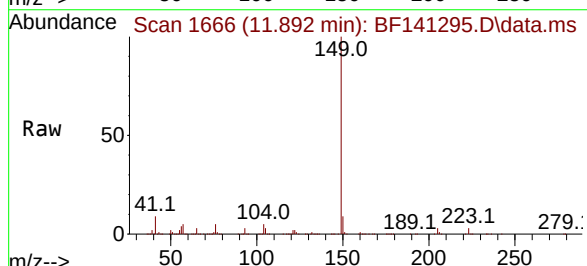
Tgt Ion:167 Resp: 97154
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.1 10.6 16.0

Manual Integrations
APPROVED

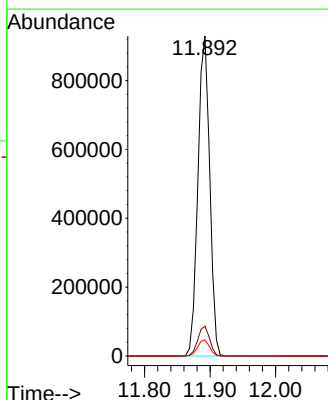
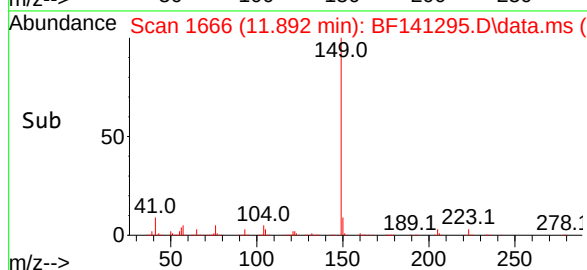
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

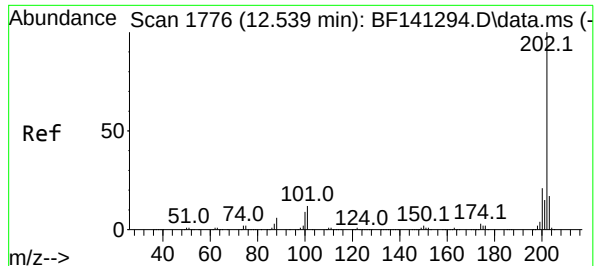


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



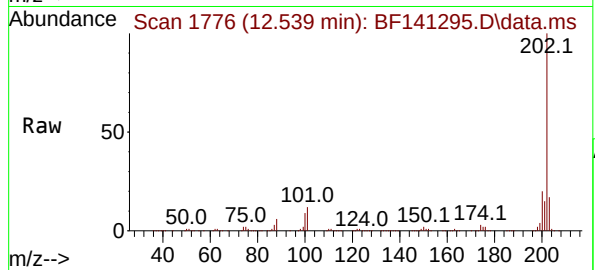
Tgt Ion:149 Resp: 1162607
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 5.0 3.9 5.9





#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

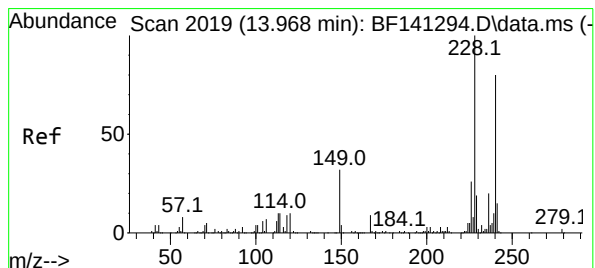
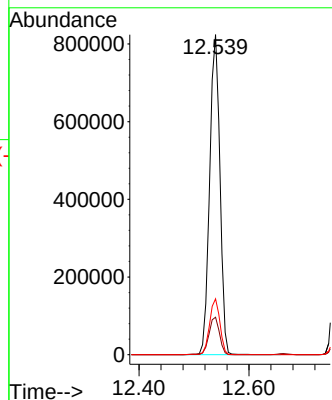
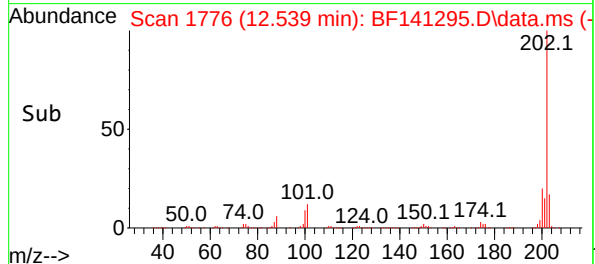
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1065514
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.5

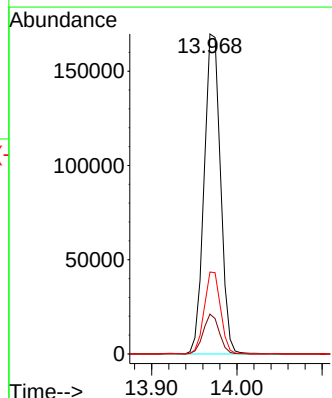
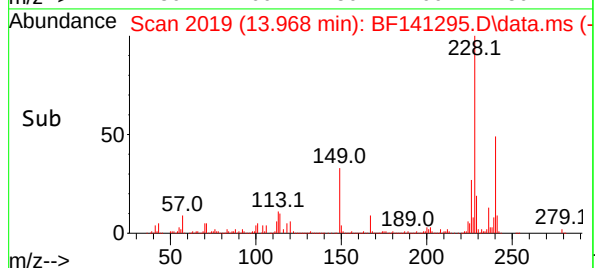
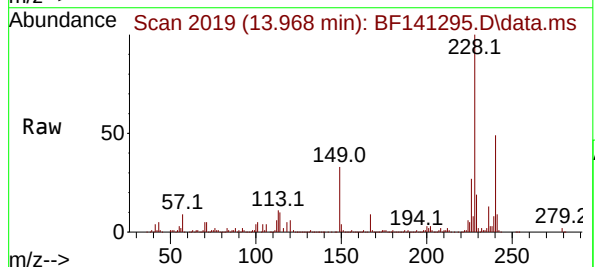
Manual Integrations
APPROVED

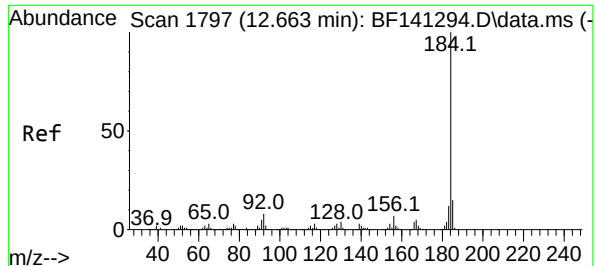
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

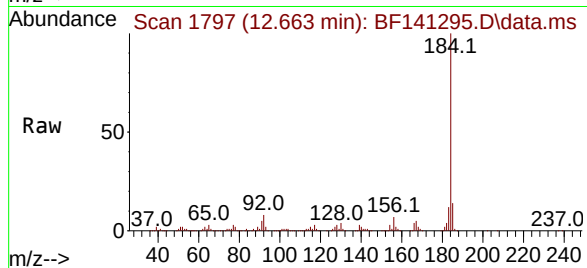
Tgt Ion:240 Resp: 226571
Ion Ratio Lower Upper
240 100
120 12.5 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

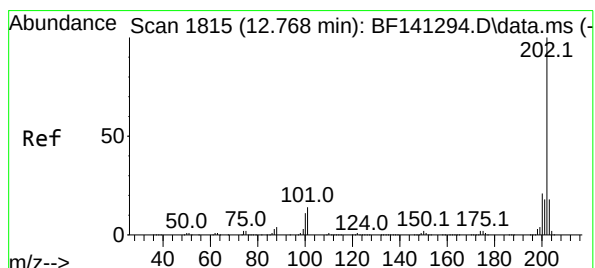
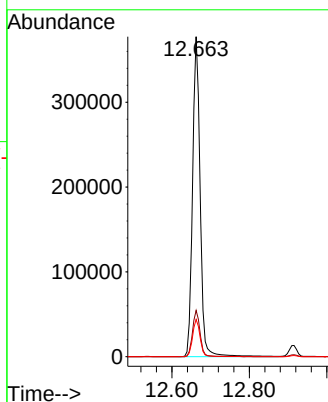
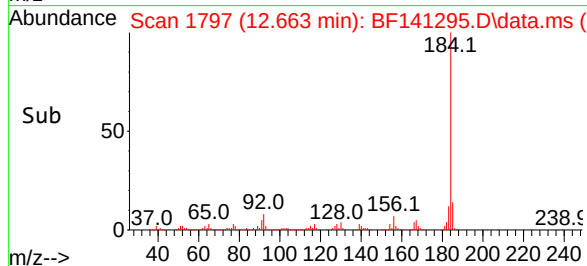
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 513358
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.7 9.5 14.3

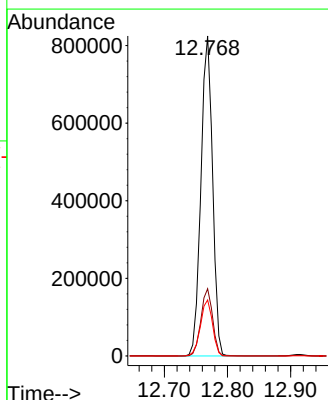
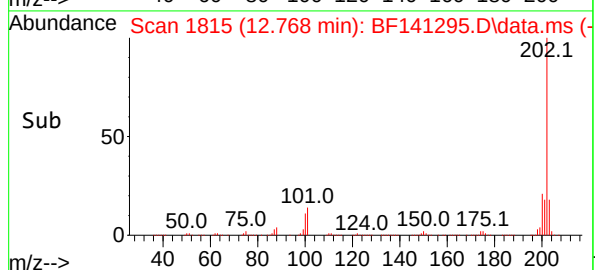
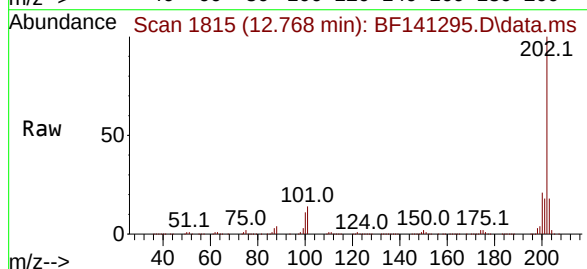
Manual Integrations
APPROVED

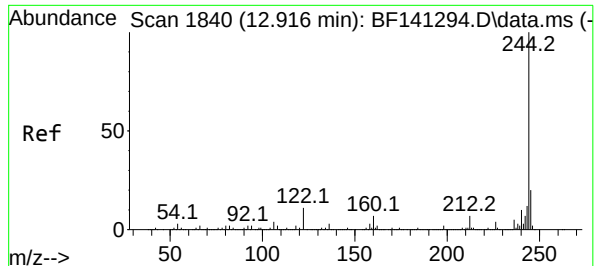
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.5 14.3 21.5





#79

Terphenyl-d14

Concen: 95.222 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141295.D

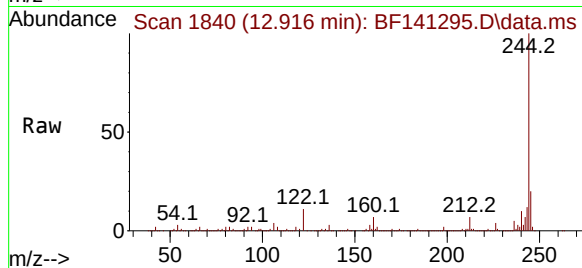
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:244 Resp: 140210

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

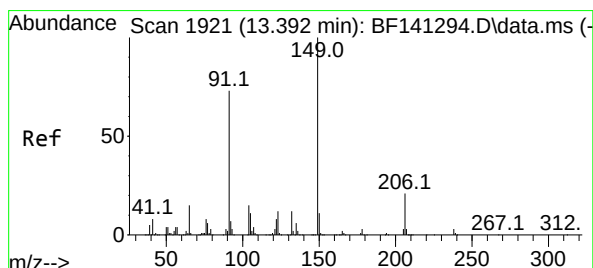
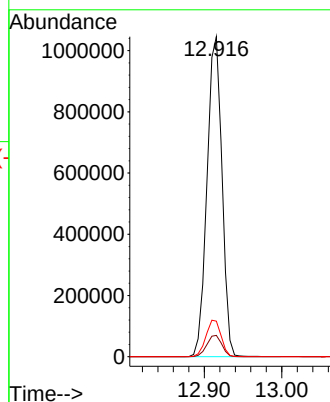
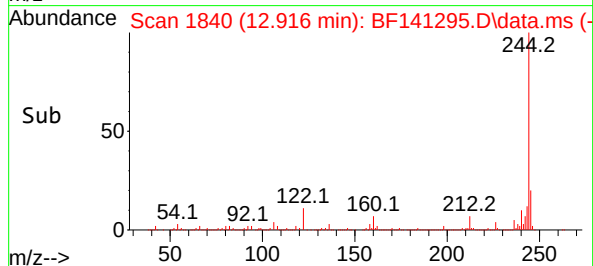
122 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#80

Butylbenzylphthalate

Concen: 49.222 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

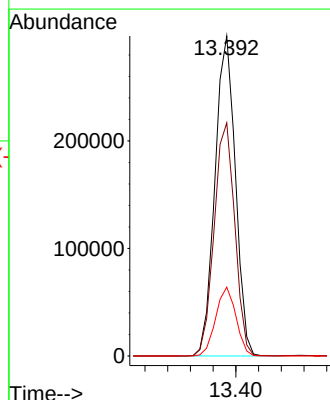
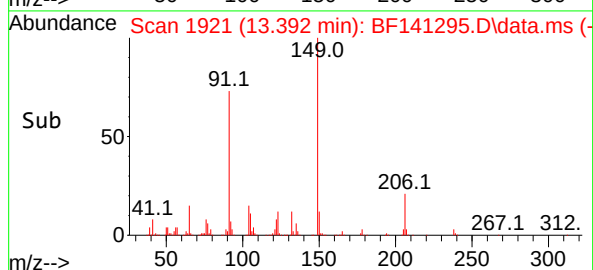
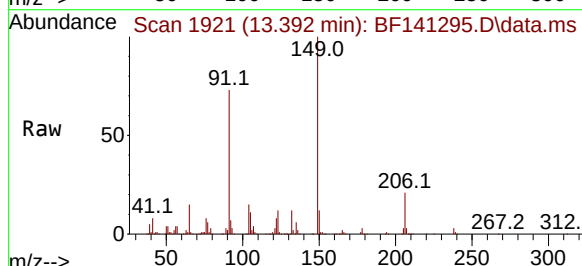
Tgt Ion:149 Resp: 371889

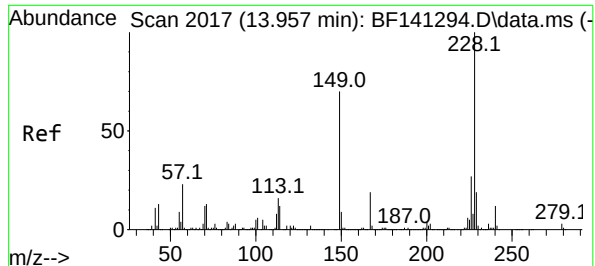
Ion Ratio Lower Upper

149 100

91 72.9 58.6 87.8

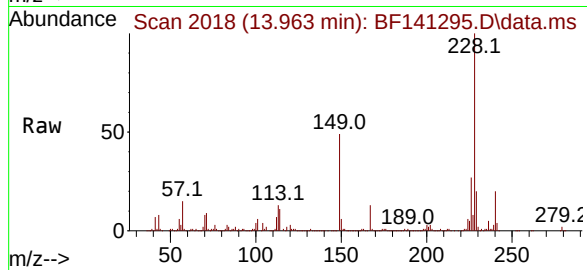
206 21.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

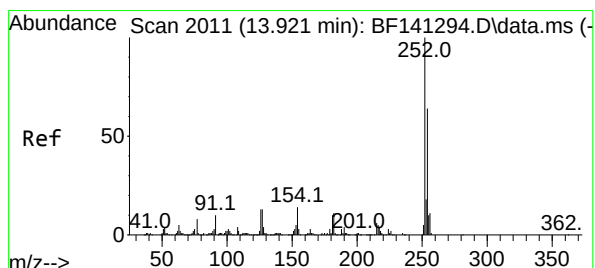
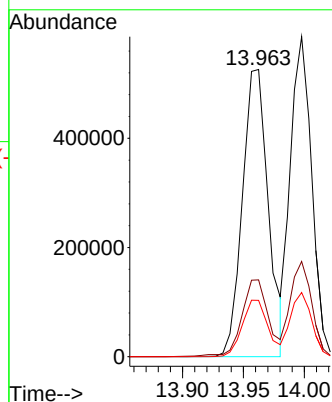
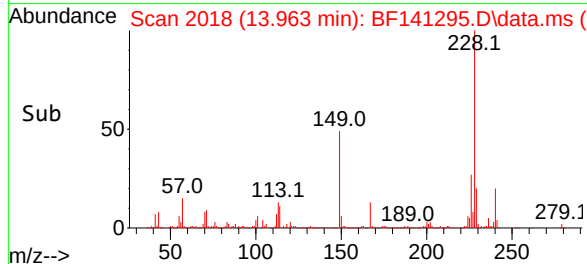
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



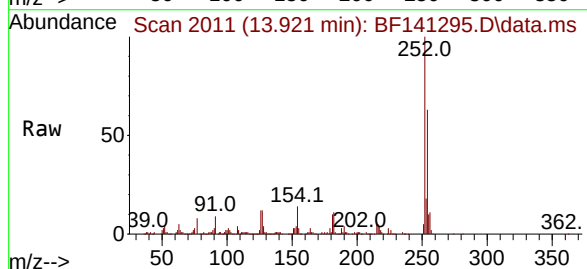
Tgt Ion:228 Resp: 77892
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.2
229 19.6 15.5 23.3

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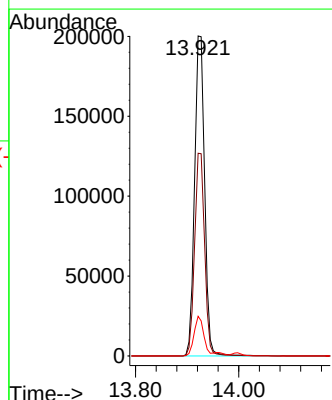
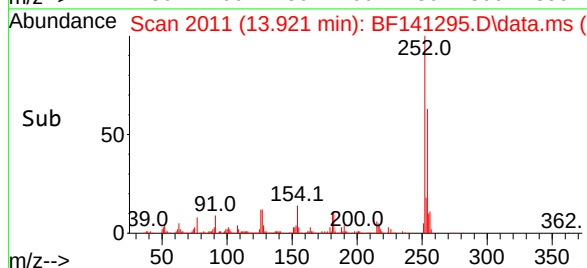
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

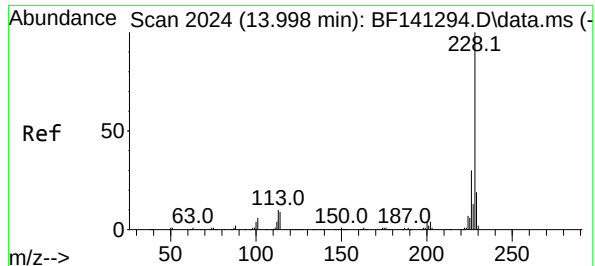


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



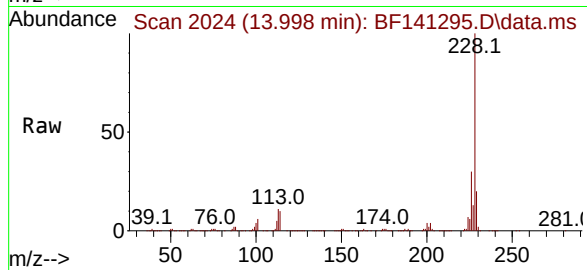
Tgt Ion:252 Resp: 270572
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.4 10.0 15.0





#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

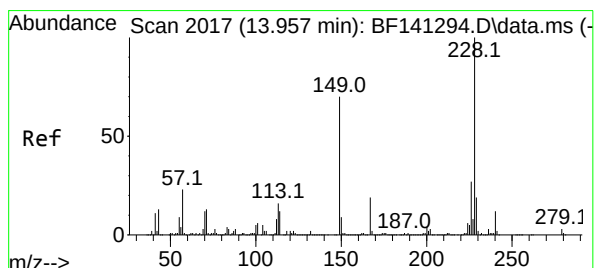
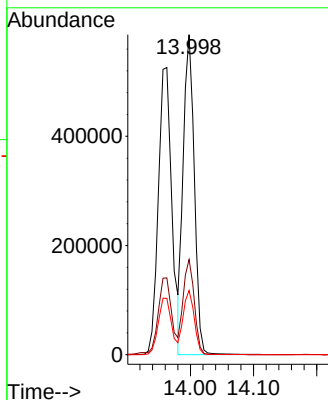
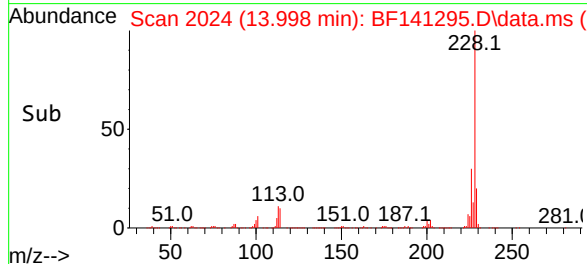
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 717569
Ion Ratio Lower Upper
228 100
226 29.7 24.1 36.1
229 20.1 15.6 23.4

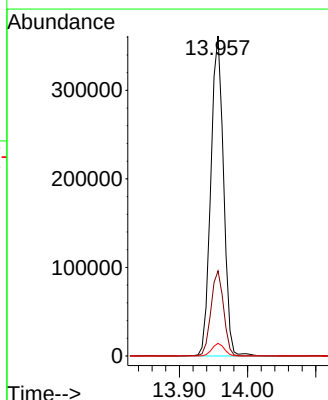
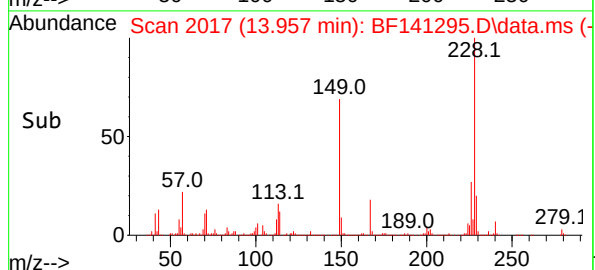
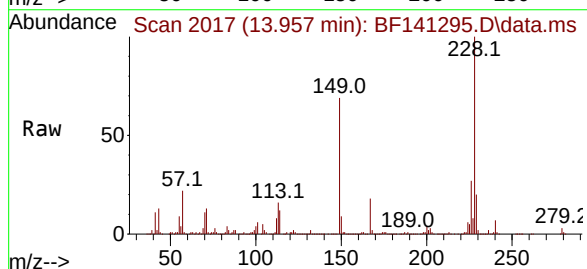
Manual Integrations
APPROVED

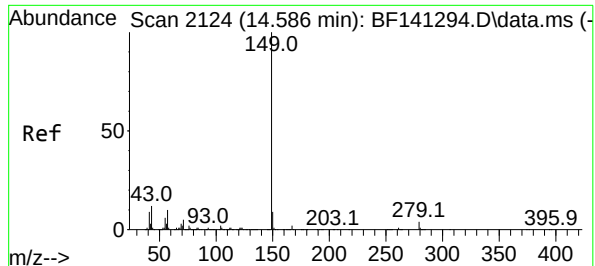
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

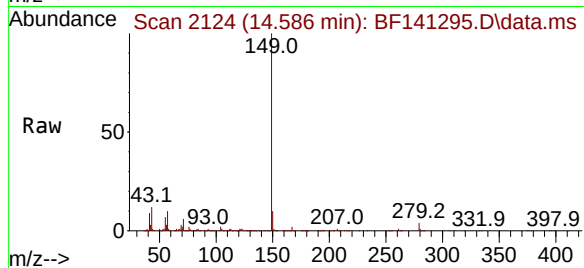
Tgt Ion:149 Resp: 470441
Ion Ratio Lower Upper
149 100
167 26.6 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

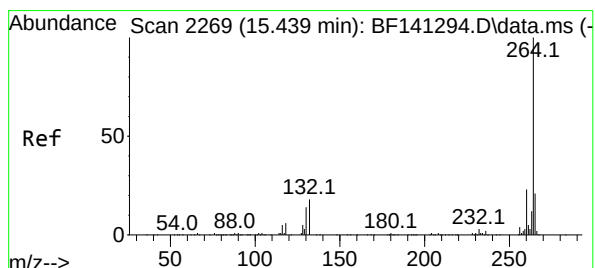
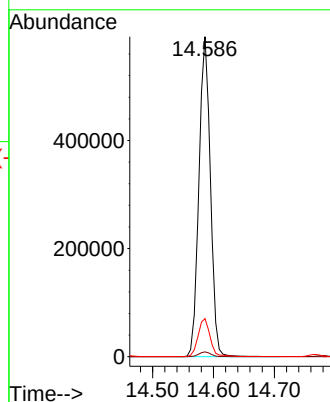
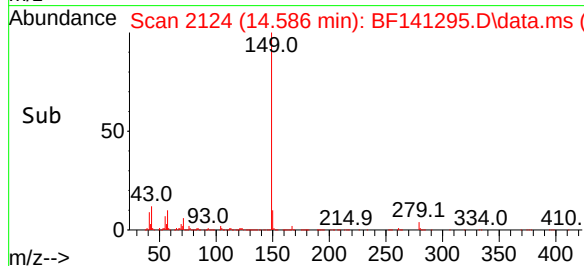
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



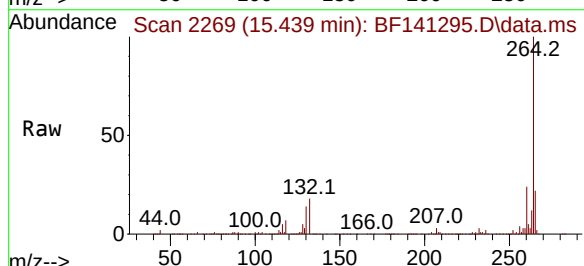
Tgt Ion:149 Resp: 77303
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8

Manual Integrations
APPROVED

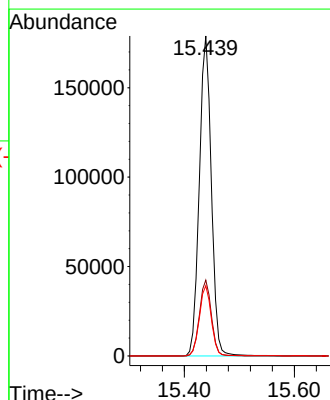
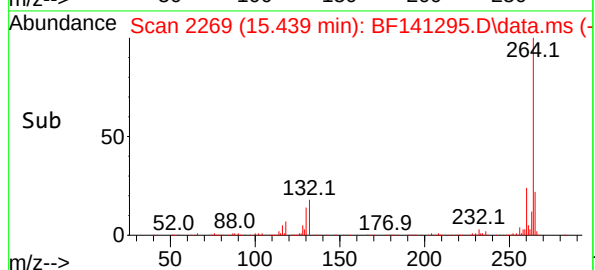
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

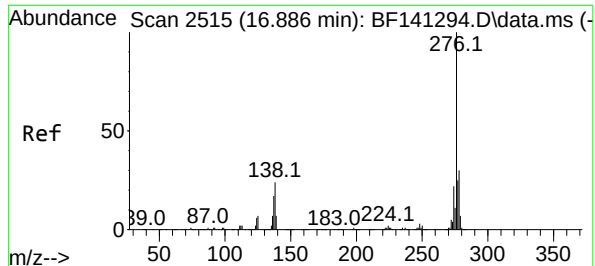


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:264 Resp: 272084
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.0 16.7 25.1





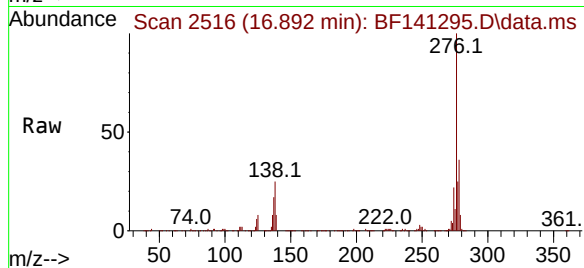
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

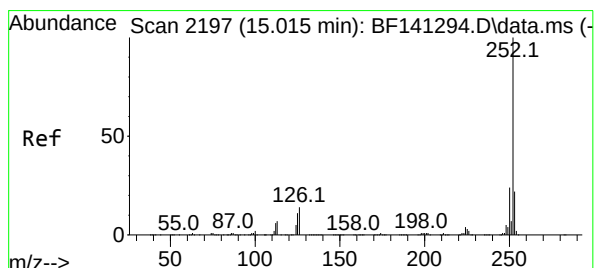
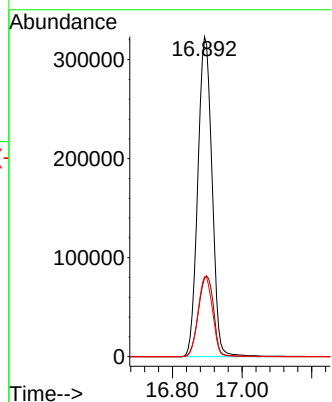
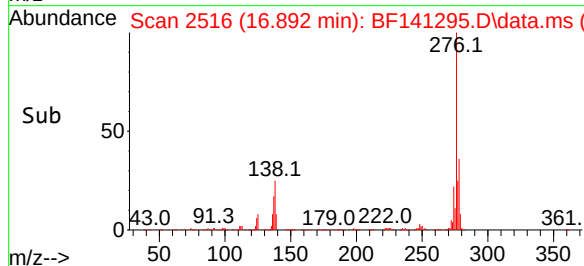


Tgt Ion:276 Resp: 916714
Ion Ratio Lower Upper
276 100
138 27.0 21.7 32.5
277 25.5 20.3 30.5

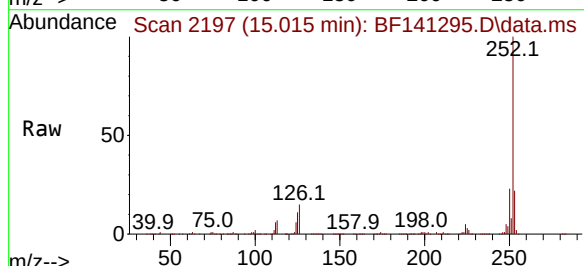
Manual Integrations

APPROVED

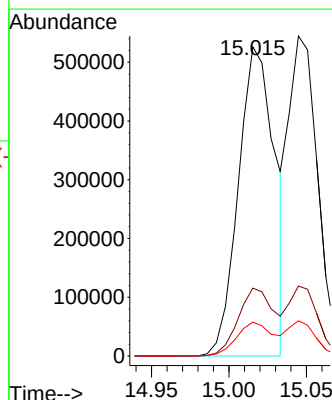
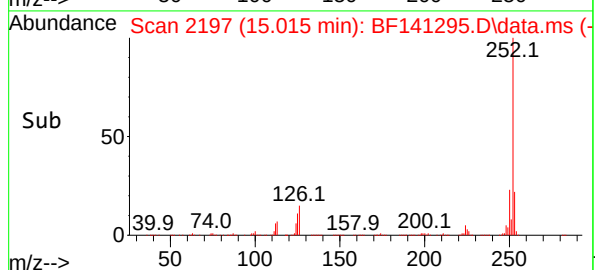
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

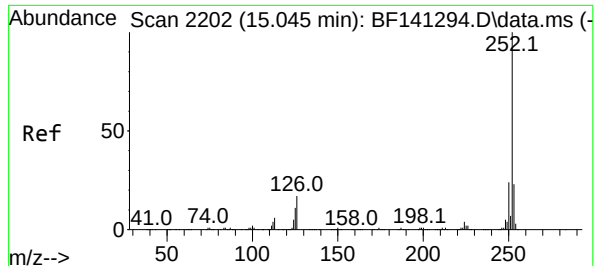


#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11



Tgt Ion:252 Resp: 860351
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.153 ng

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141295.D

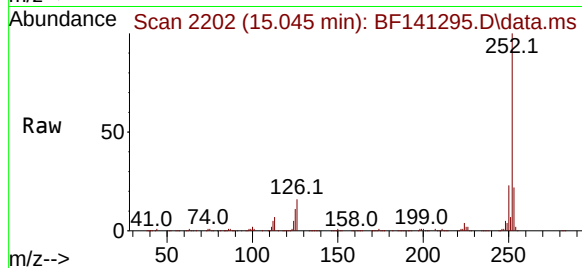
Acq: 29 Jan 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:252 Resp: 713500

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

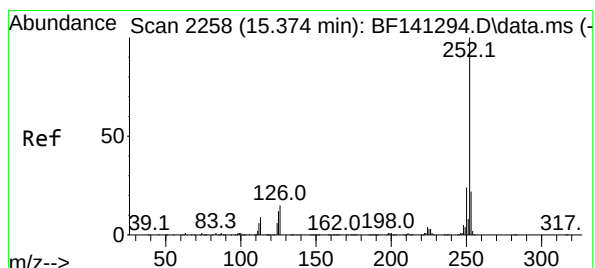
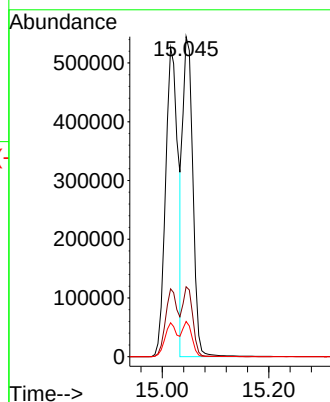
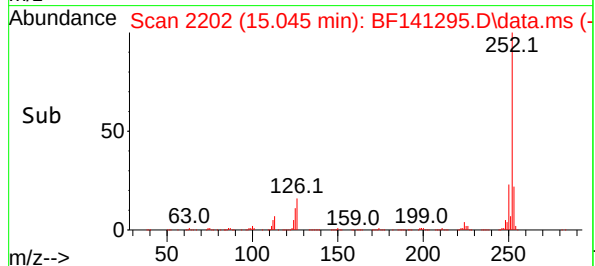
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 49.985 ng

RT: 15.380 min Scan# 2259

Delta R.T. 0.006 min

Lab File: BF141295.D

Acq: 29 Jan 2025 16:11

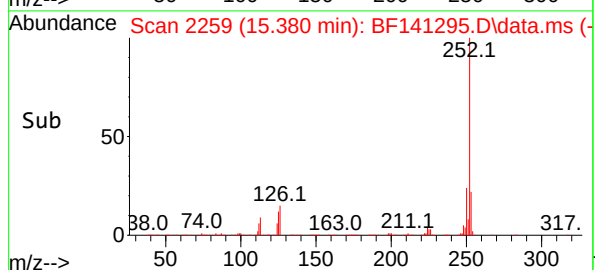
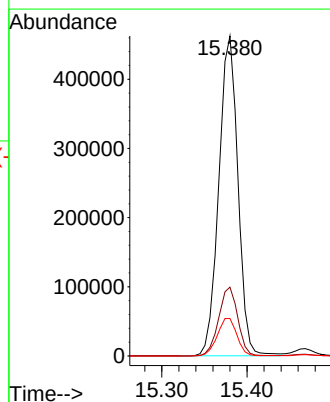
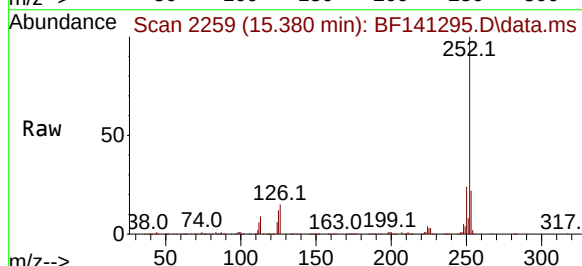
Tgt Ion:252 Resp: 721834

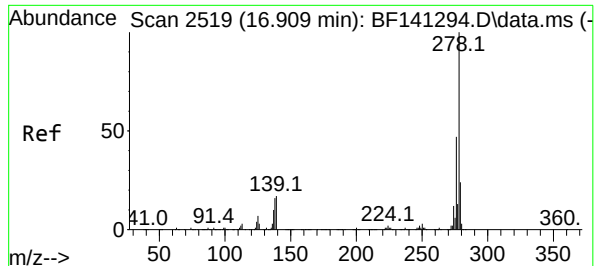
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

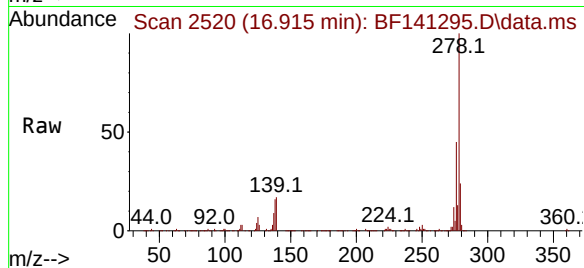
125 11.7 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2520
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

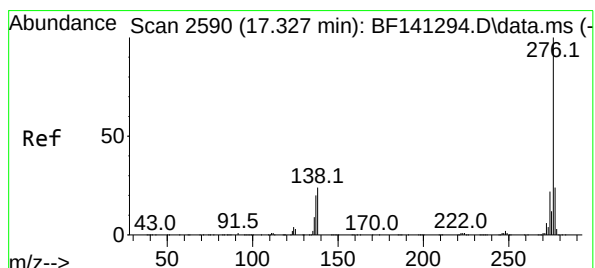
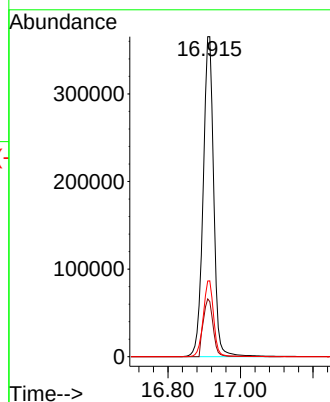
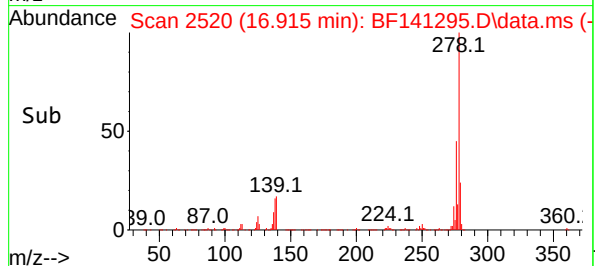
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 73939
Ion Ratio Lower Upper
278 100
139 17.2 13.9 20.9
279 23.7 18.8 28.2

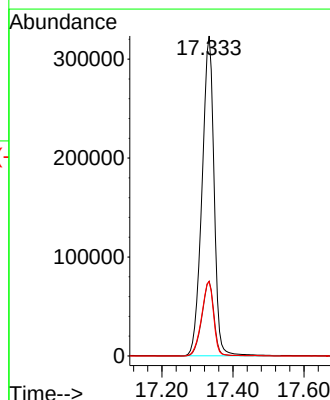
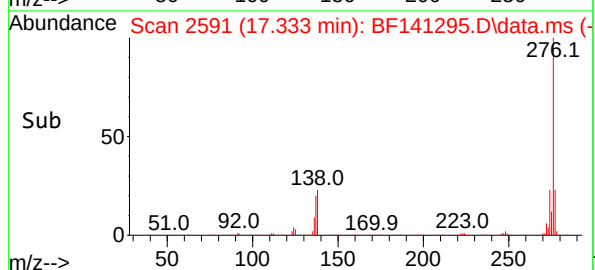
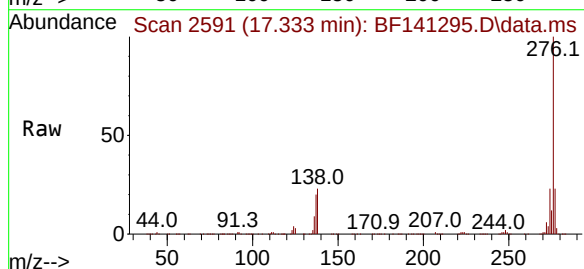
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 50.990 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 764064
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 23.2 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

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

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng	0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng	0.00
86) Perylene-d12	15.451	264	265921	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	952391	113.729	ng	0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng	0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng	0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng	99
3) Pyridine	3.216	79	527201	60.698	ng	99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng	99
6) Aniline	6.463	93	506937	55.493	ng	# 89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng	98
9) Benzaldehyde	6.351	77	314238	48.677	ng	98
10) Phenol	6.445	94	640034	56.549	ng	94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng	99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng	99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng	100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng	99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng	99
17) 2-Methylphenol	7.057	107	420597	58.211	ng	99
18) Hexachloroethane	7.316	117	210746	57.649	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng	97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng	98
22) Acetophenone	7.216	105	651575	53.679	ng	99
24) Nitrobenzene	7.386	77	572234	58.138	ng	99
25) Isophorone	7.622	82	953671	58.383	ng	98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng	99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng	99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng	99
31) Naphthalene	8.104	128	1475900	54.933	ng	99
32) Benzoic acid	7.863	122	380664m	76.193	ng	
33) 4-Chloroaniline	8.157	127	513149	56.786	ng	99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng	100
35) Caprolactam	8.533	113	141023	60.337	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng	97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng	98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng	100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

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

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

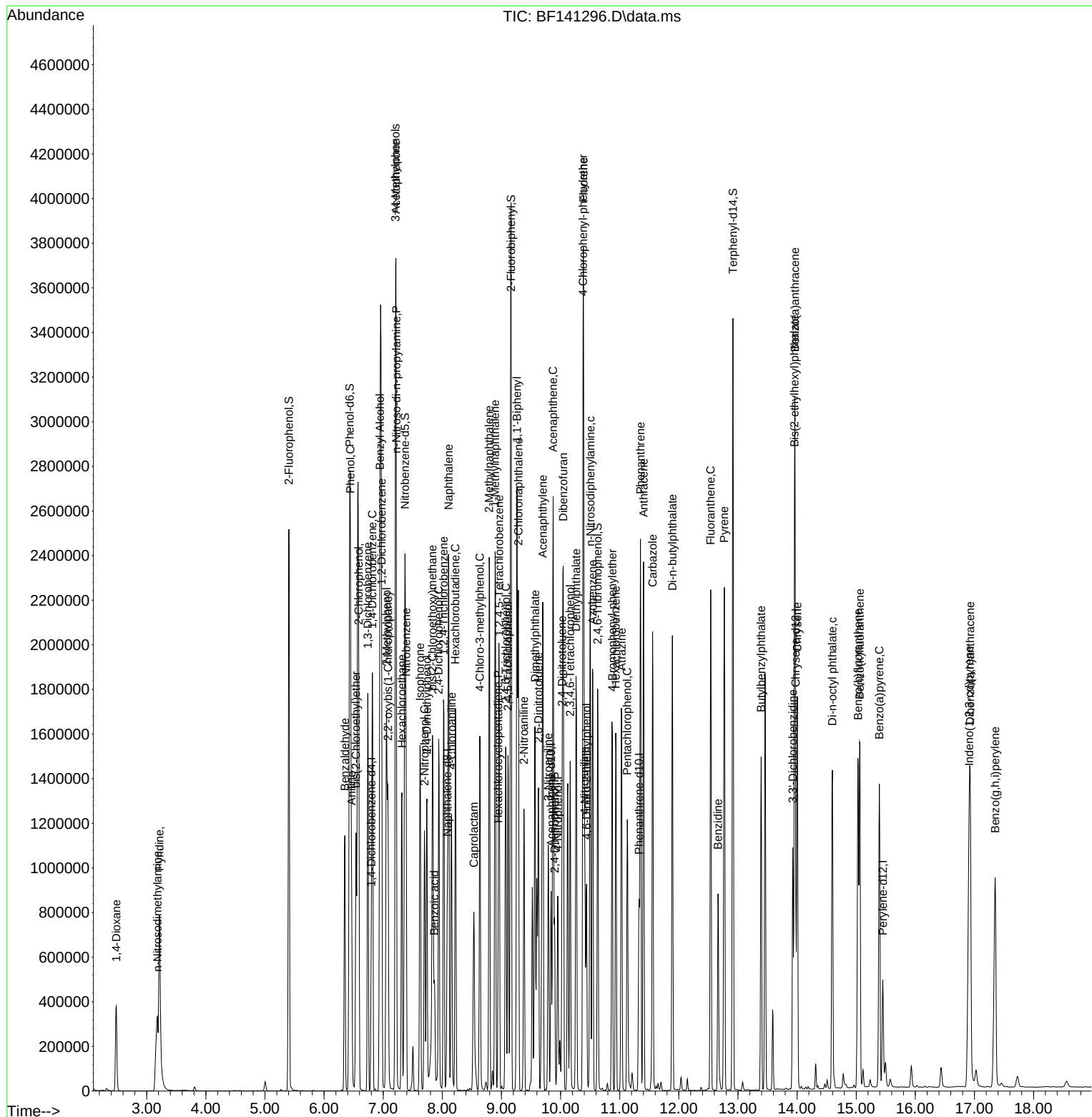
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 Data File : BF141296.D
 Acq On : 29 Jan 2025 16:38
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

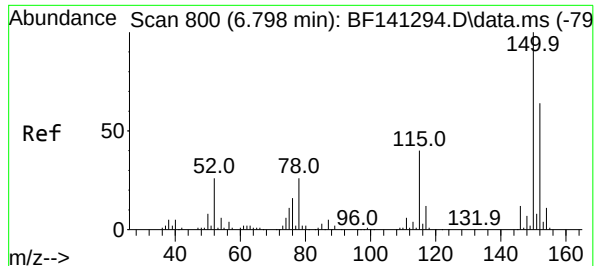
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Jan 29 17:20:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:14:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

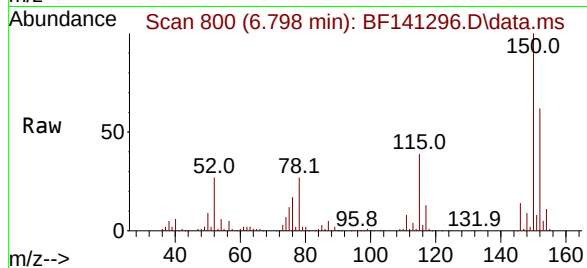
Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

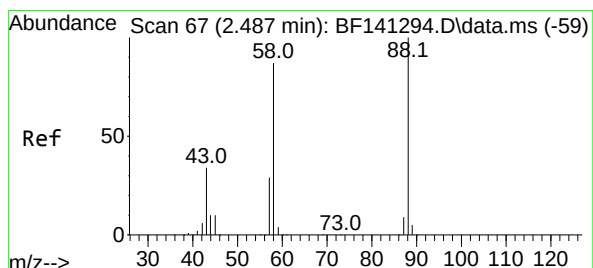
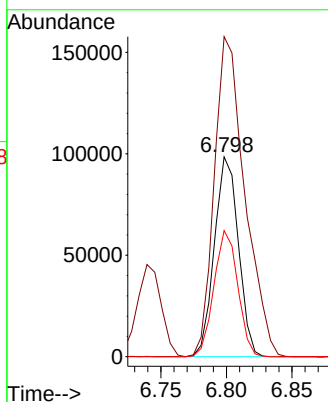
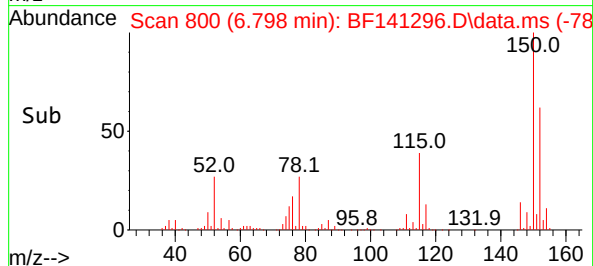
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:152 Resp: 125200
Ion Ratio Lower Upper
152 100
150 160.2 125.9 188.9
115 63.2 49.7 74.5

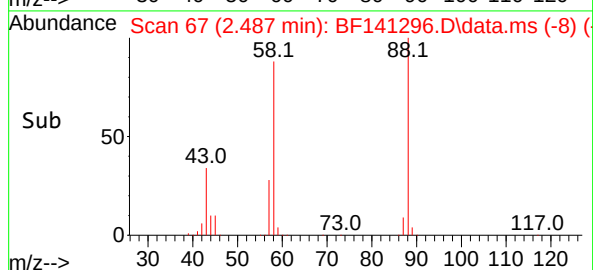
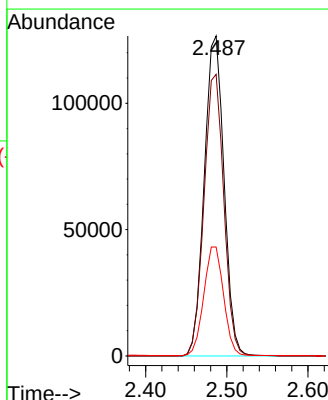
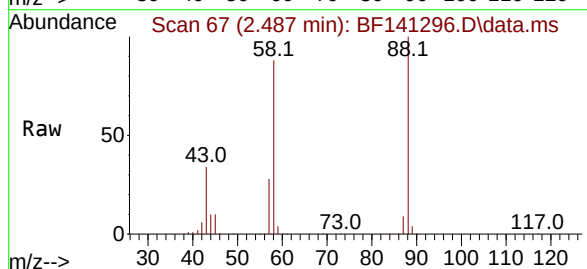
Manual Integrations
APPROVED

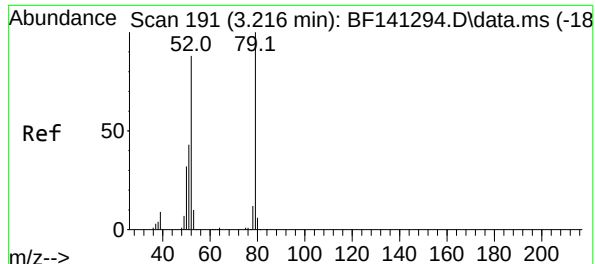
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.4
43 34.0 27.6 41.4





#3

Pyridine

Concen: 60.698 ng

RT: 3.216 min Scan# 191

Delta R.T. -0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 52720

Ion Ratio Lower Upper

79 100

52 89.0 70.3 105.5

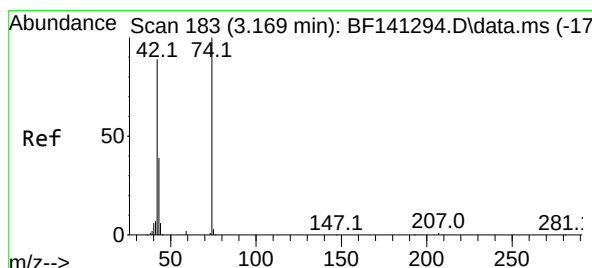
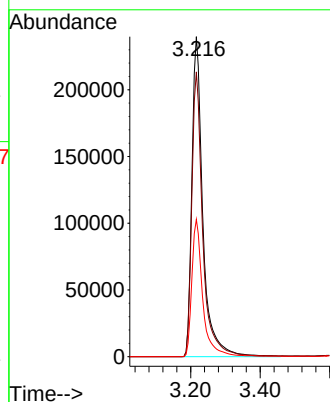
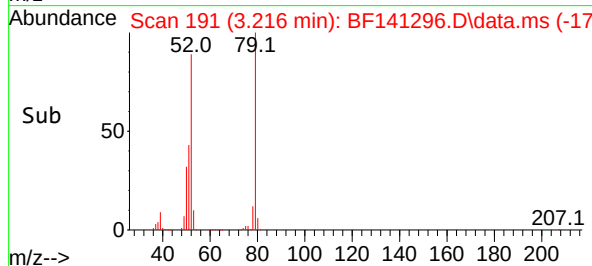
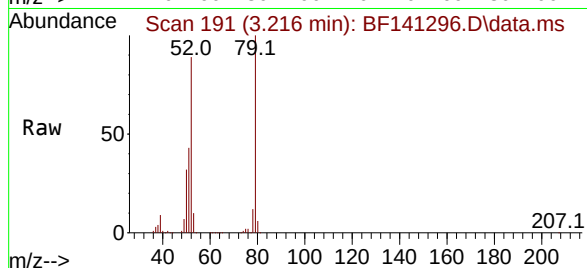
51 42.9 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#4

n-Nitrosodimethylamine

Concen: 61.956 ng

RT: 3.181 min Scan# 185

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

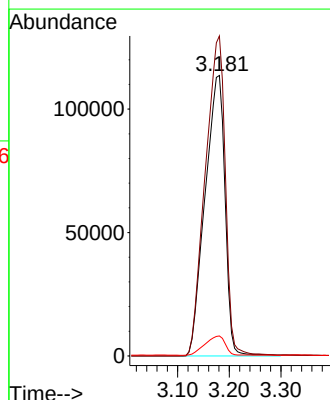
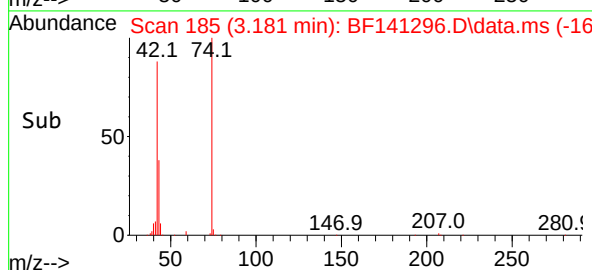
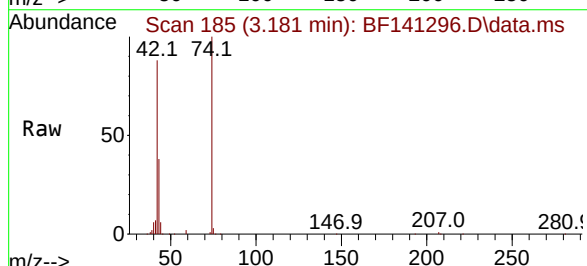
Tgt Ion: 42 Resp: 305314

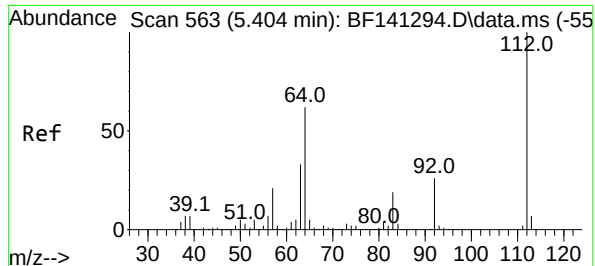
Ion Ratio Lower Upper

42 100

74 114.1 90.3 135.5

44 7.2 5.7 8.5





#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

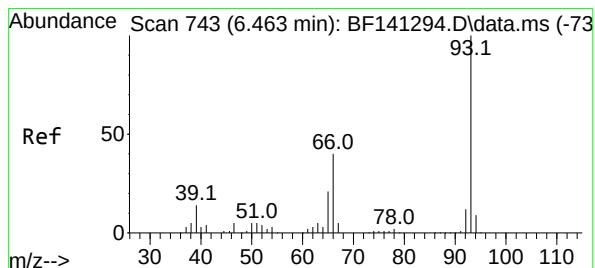
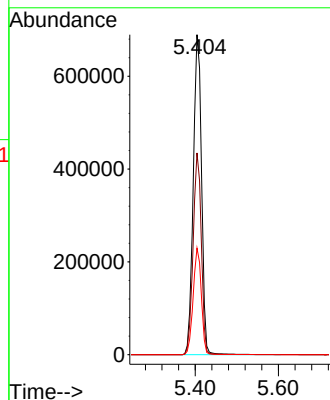
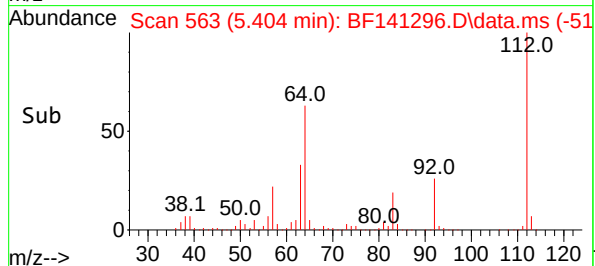
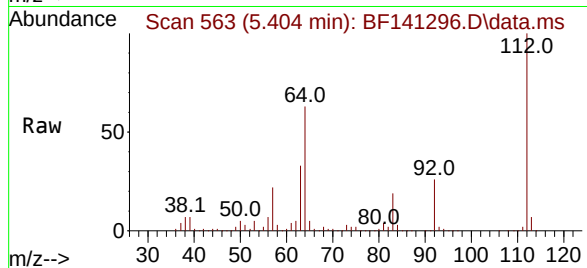
ClientSampleId :

SSTDICC060

Tgt Ion:112 Resp: 95239
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 33.3 26.1 39.1

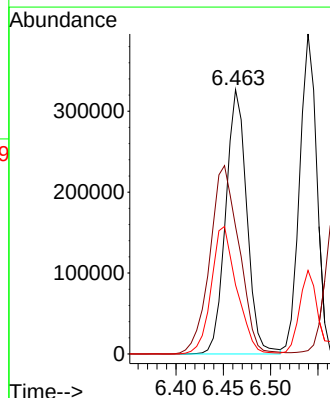
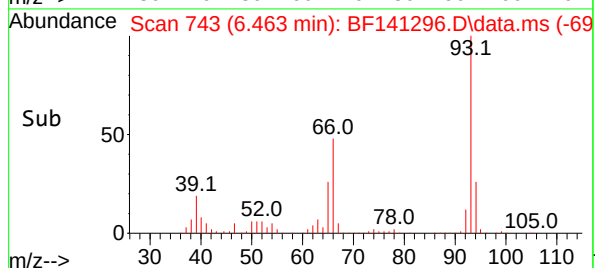
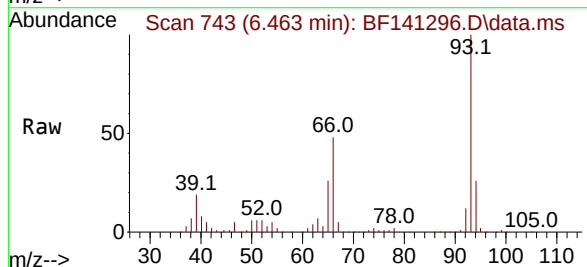
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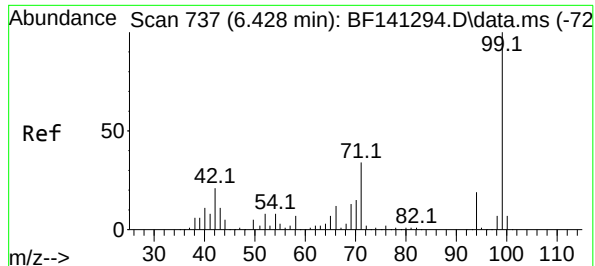
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937
Ion Ratio Lower Upper
93 100
66 48.2 32.5 48.7
65 26.1 17.0 25.6#





#7

Phenol-d6

Concen: 113.542 ng

RT: 6.434 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 121047

Ion Ratio Lower Upper

99 100

42 21.2 17.1 25.7

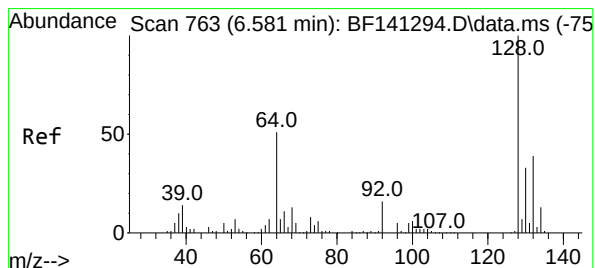
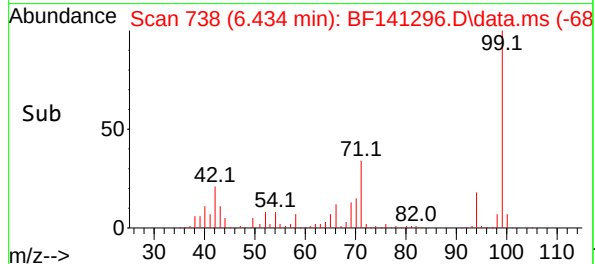
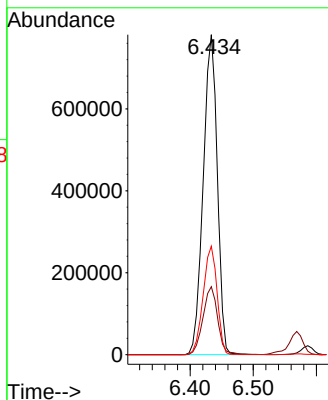
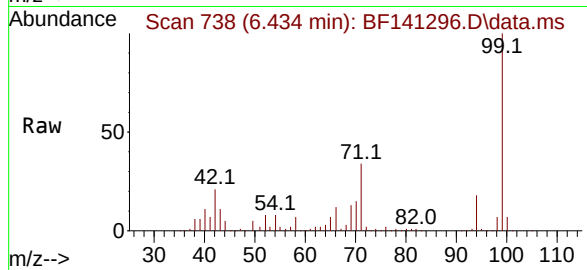
71 33.9 26.9 40.3

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#8

2-Chlorophenol

Concen: 56.606 ng

RT: 6.587 min Scan# 764

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

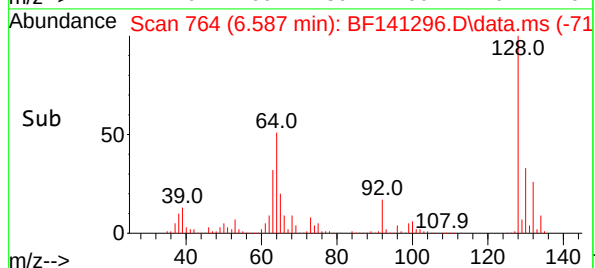
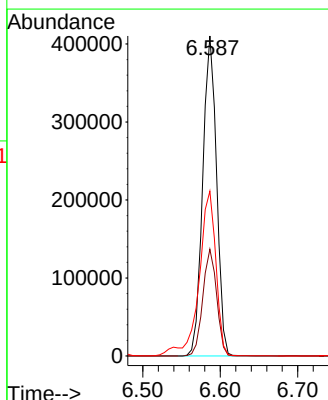
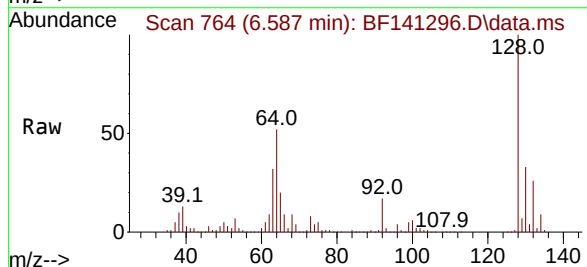
Tgt Ion:128 Resp: 509043

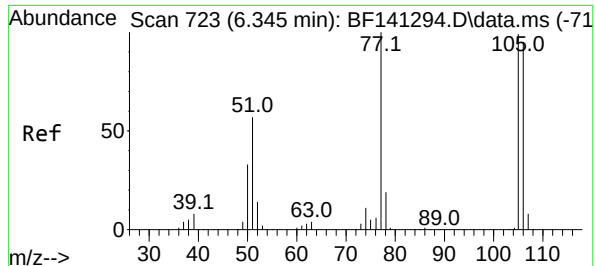
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

64 51.5 32.9 72.9





#9

Benzaldehyde

Concen: 48.677 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 314238

Ion Ratio Lower Upper

77 100

105 101.2 79.4 119.4

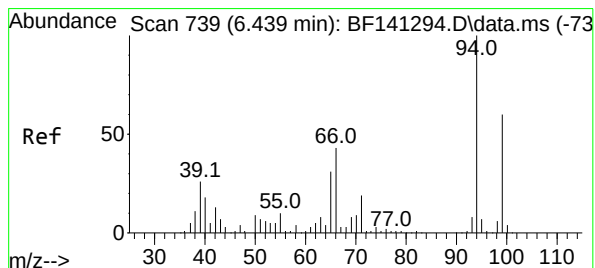
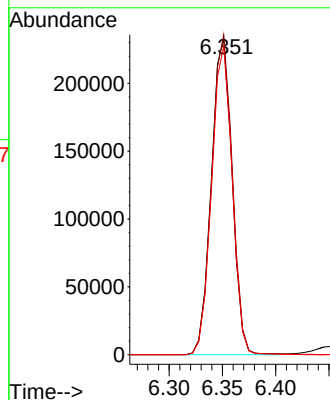
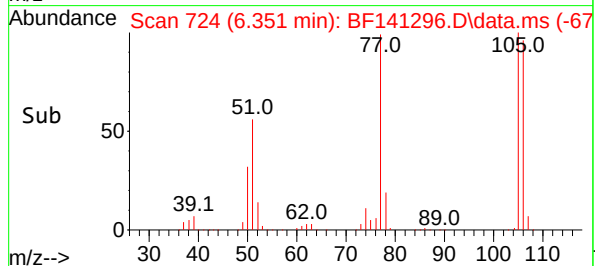
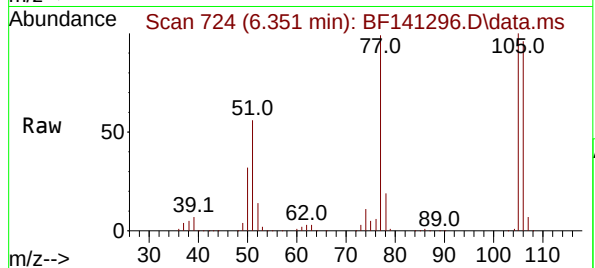
106 97.6 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#10

Phenol

Concen: 56.549 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

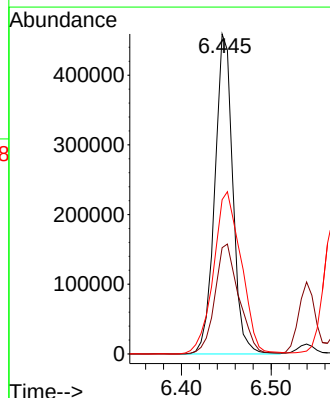
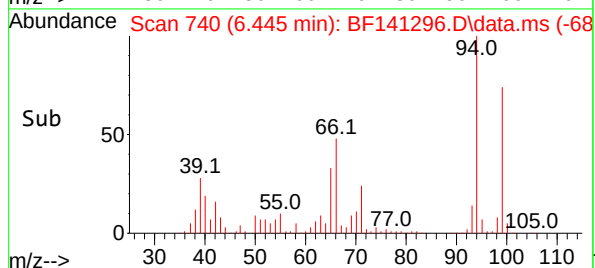
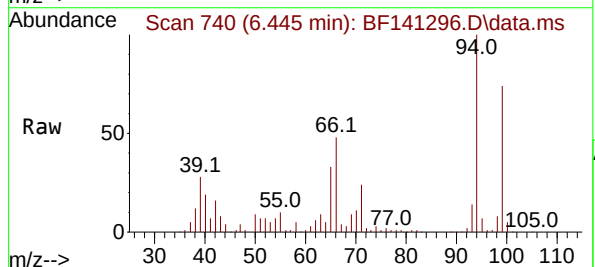
Tgt Ion: 94 Resp: 640034

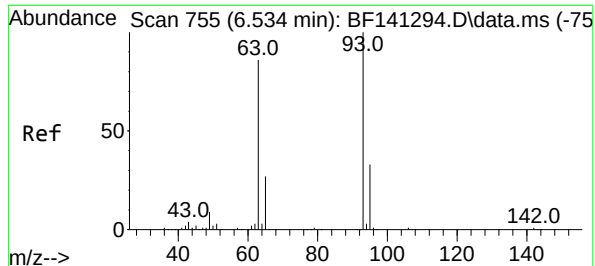
Ion Ratio Lower Upper

94 100

65 33.2 10.8 50.8

66 48.2 23.3 63.3





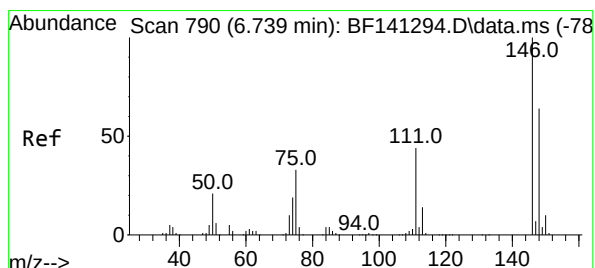
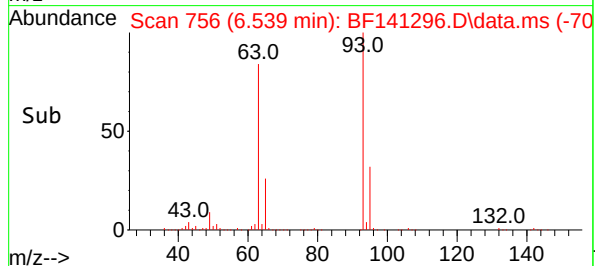
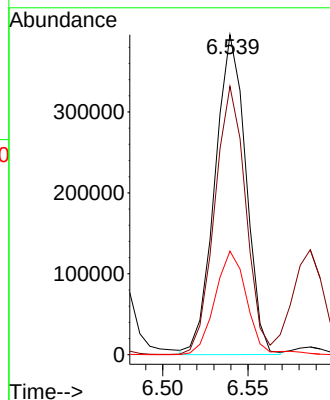
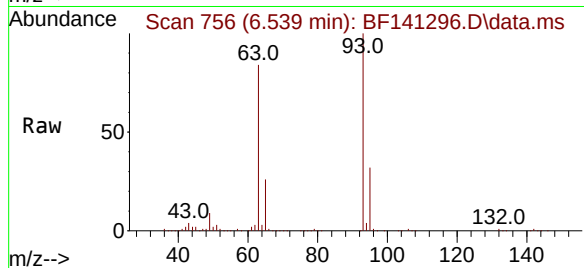
#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 49932
Ion Ratio Lower Upper
93 100
63 83.9 65.0 105.0
95 32.3 12.4 52.4

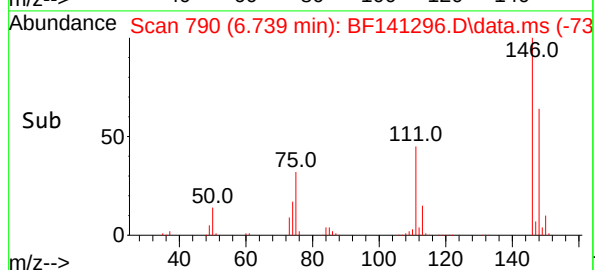
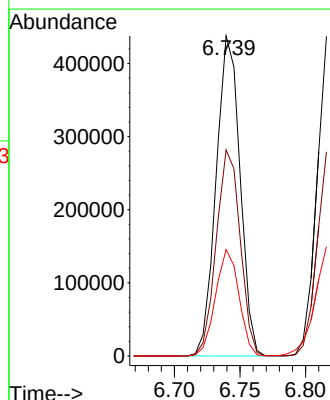
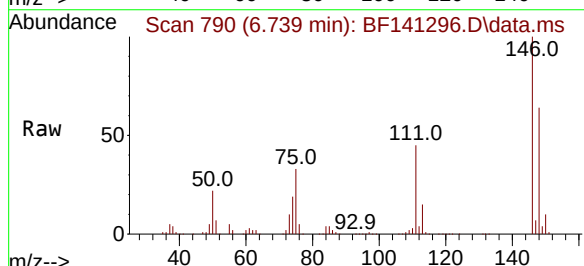
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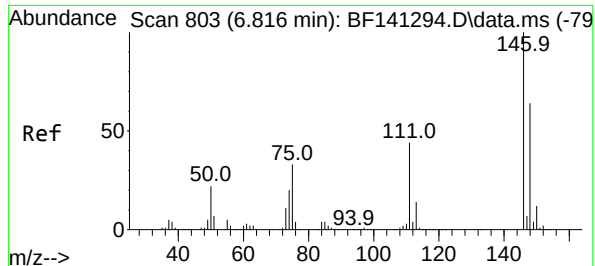
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 33.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 55.945 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 558572

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

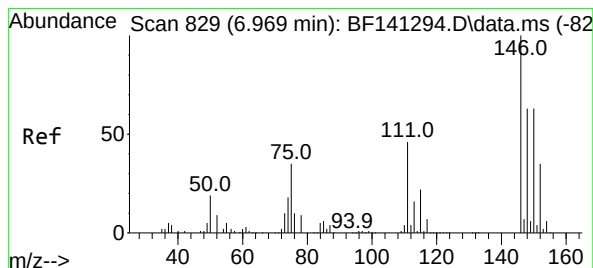
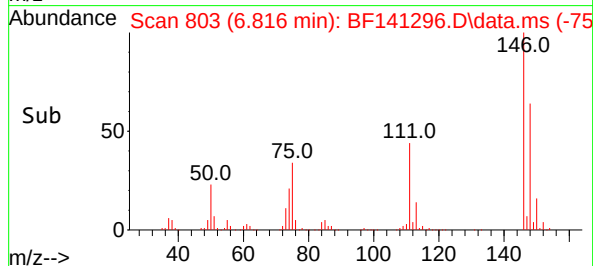
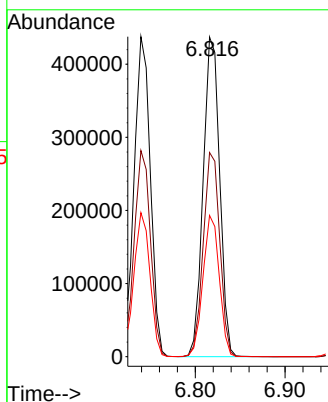
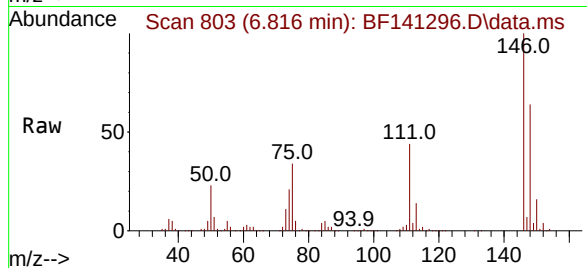
111 44.2 35.0 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 54.417 ng

RT: 6.975 min Scan# 830

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

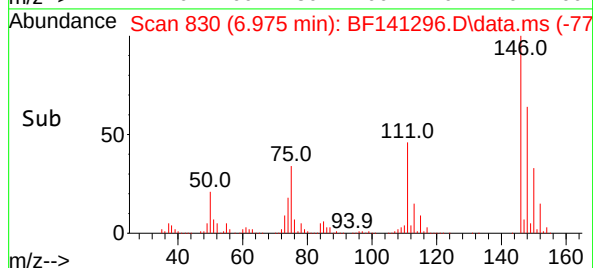
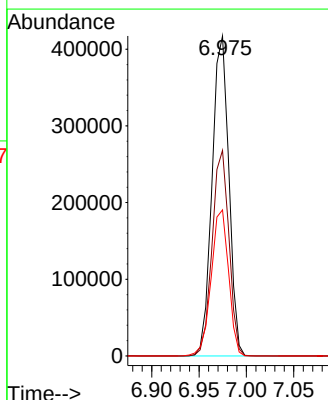
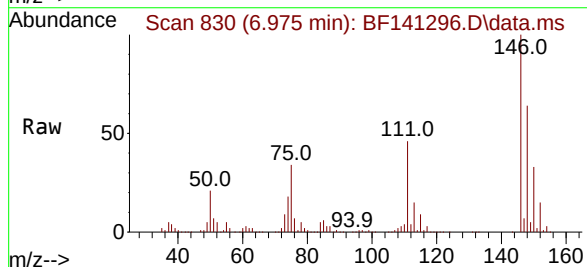
Tgt Ion:146 Resp: 513179

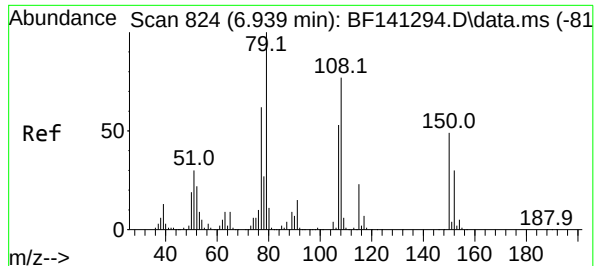
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

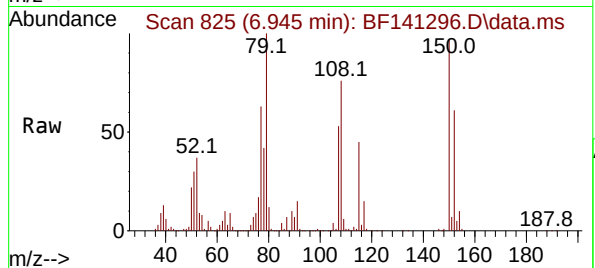
111 45.7 36.6 55.0





#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

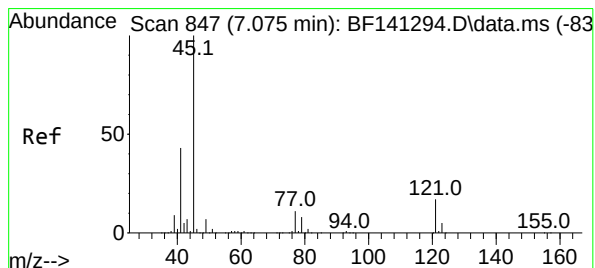
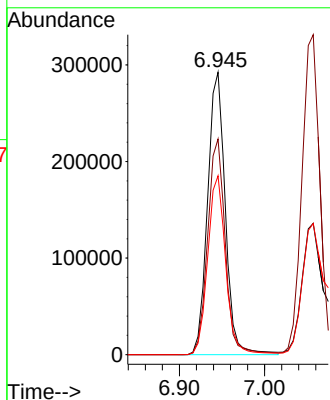
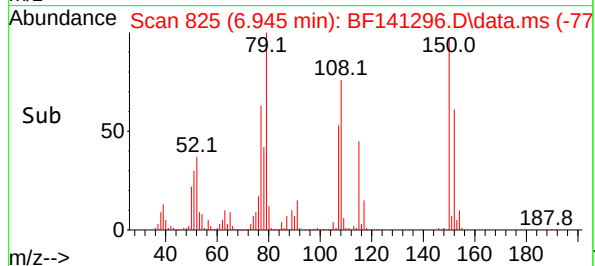
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 42272
Ion Ratio Lower Upper
79 100
108 76.4 61.4 92.0
77 63.3 49.9 74.9

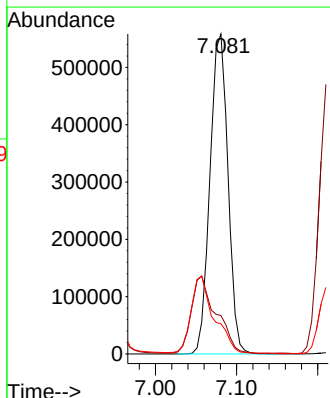
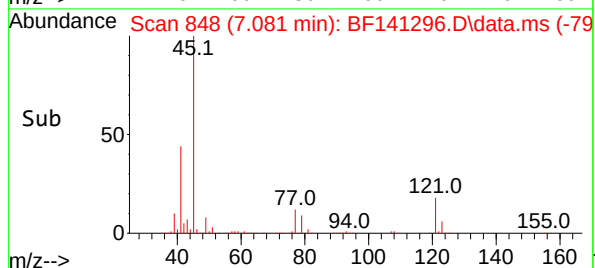
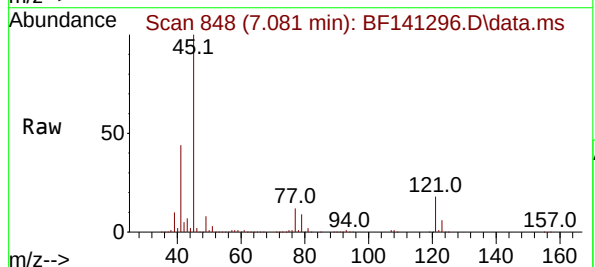
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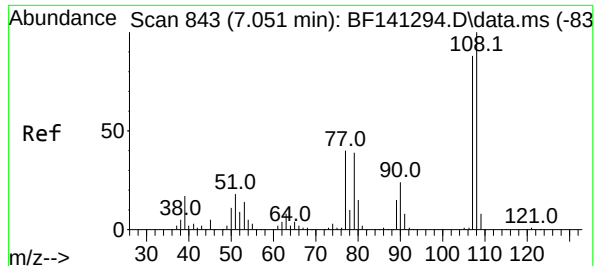
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

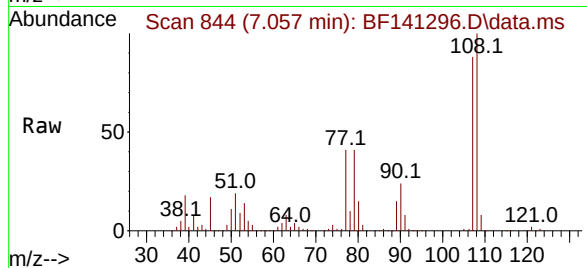
Tgt Ion: 45 Resp: 859130
Ion Ratio Lower Upper
45 100
77 12.0 0.0 31.8
79 9.4 0.0 29.1





#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

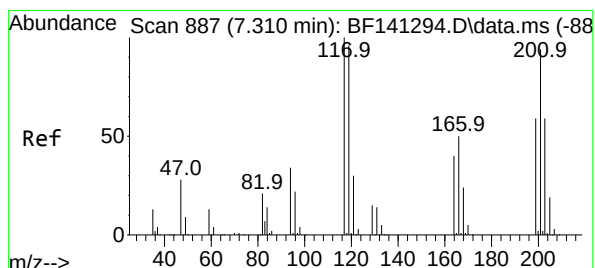
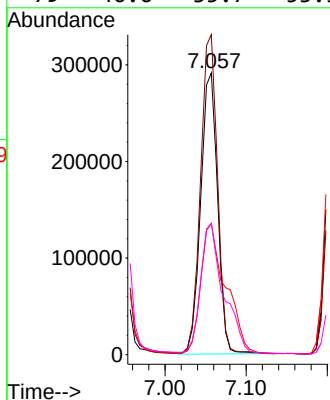
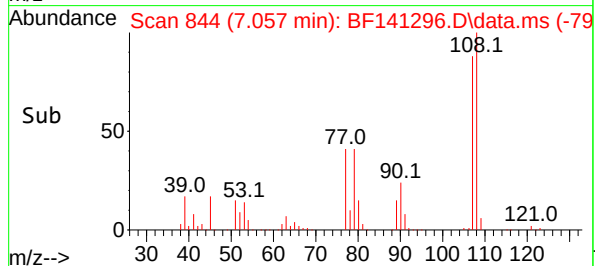
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



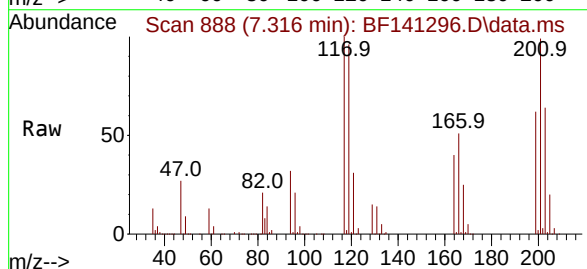
Tgt Ion:107 Resp: 420597
Ion Ratio Lower Upper
107 100
108 113.6 90.8 136.2
77 46.6 36.2 54.4
79 46.6 35.7 53.5

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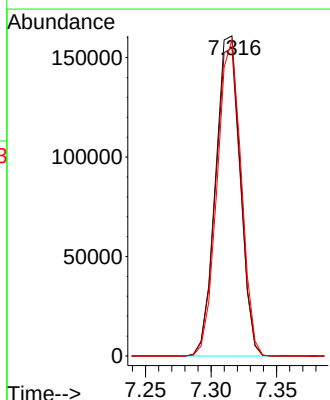
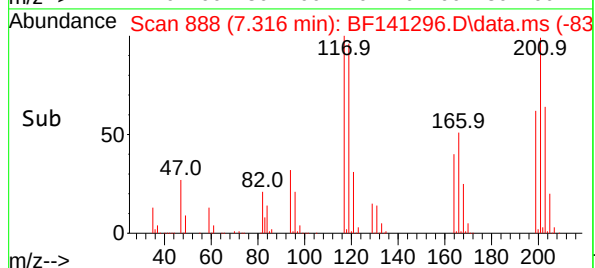
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

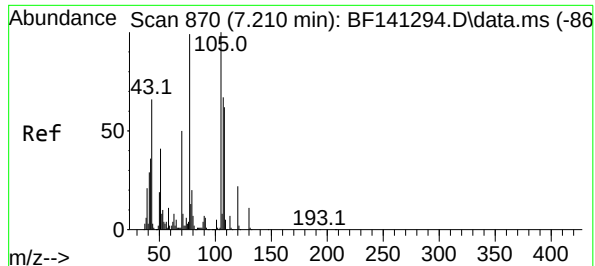


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:117 Resp: 210746
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8
201 98.8 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 56.162 ng

RT: 7.222 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 355030

Ion Ratio Lower Upper

70 100

42 68.3 56.8 85.2

101 10.0 7.7 11.5

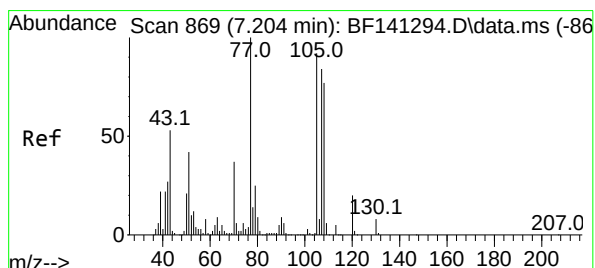
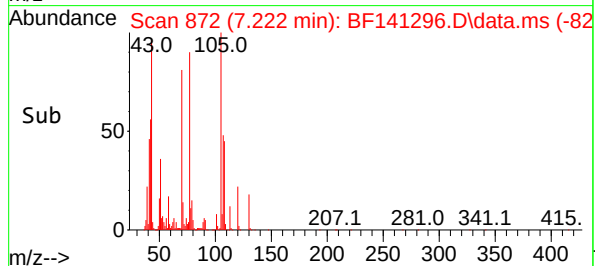
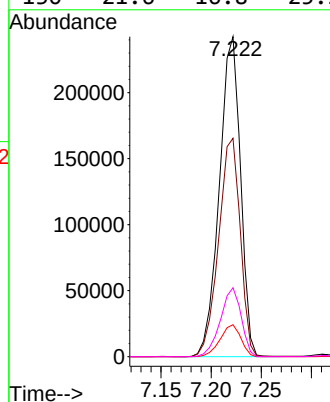
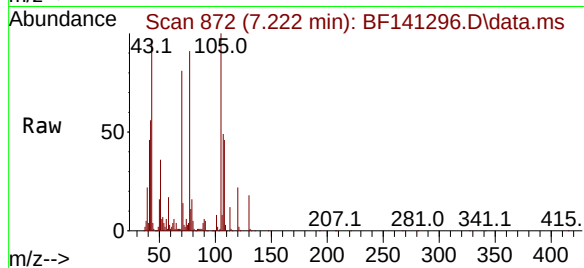
130 21.6 16.8 25.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 54.781 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

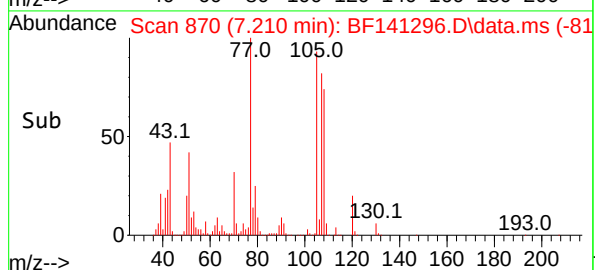
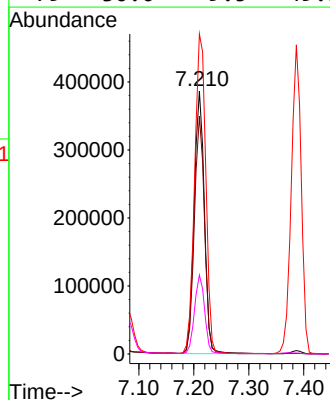
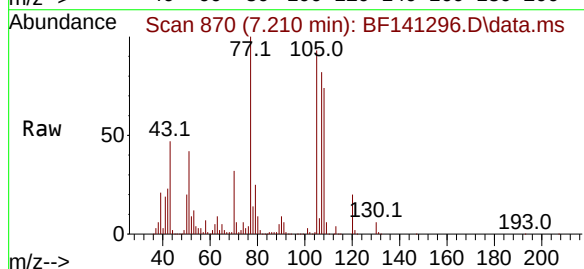
Ion Ratio Lower Upper

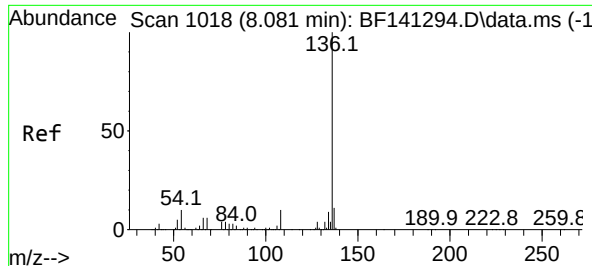
107 100

108 90.4 70.9 110.9

77 121.7 98.5 138.5

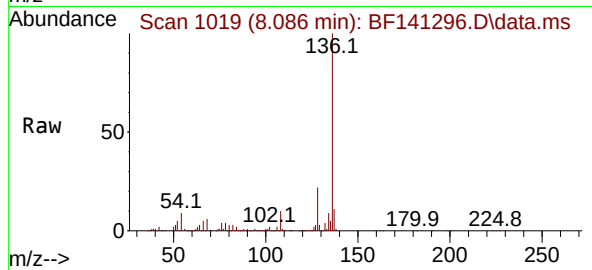
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

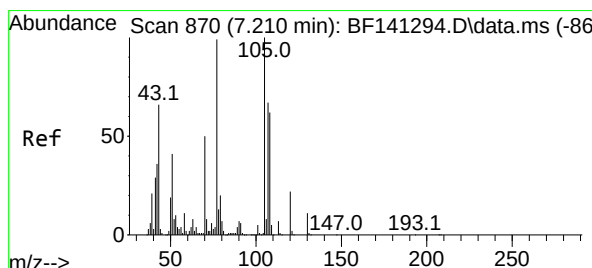
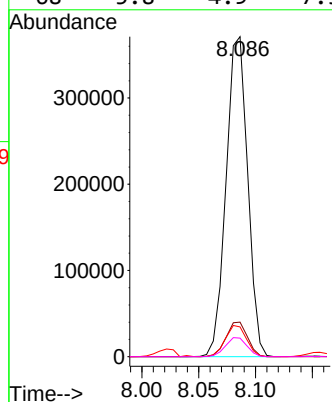
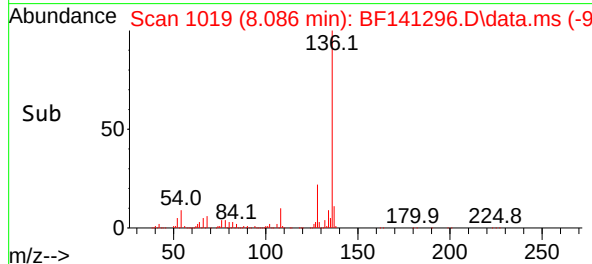
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 490777
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.3 7.8 11.8
68 5.8 4.9 7.3

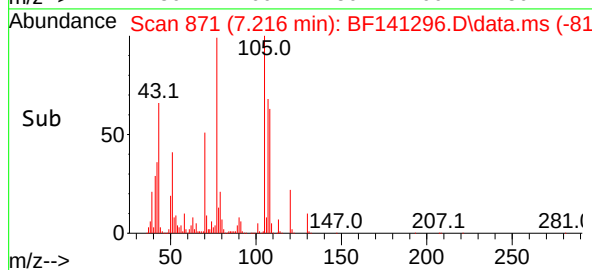
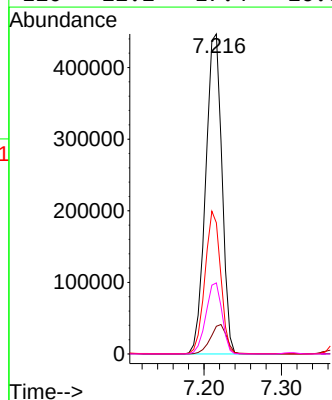
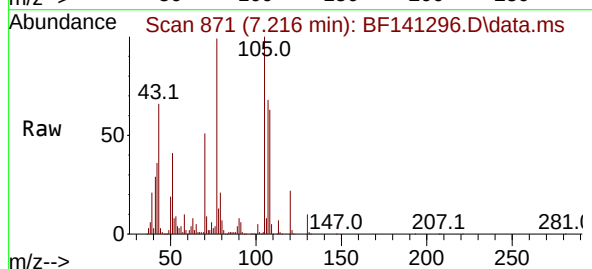
Manual Integrations
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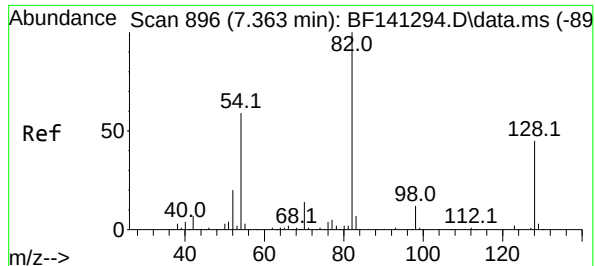
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575
Ion Ratio Lower Upper
105 100
71 8.6 6.8 10.2
51 41.0 32.6 49.0
120 22.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 115.711 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 109819

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

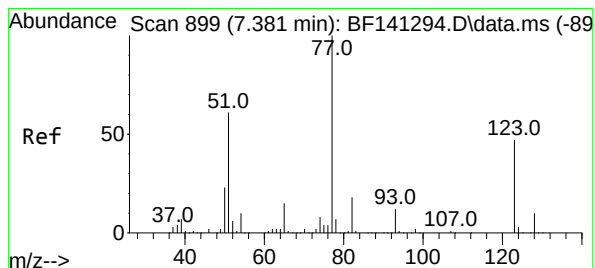
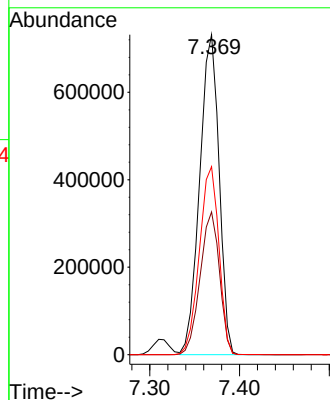
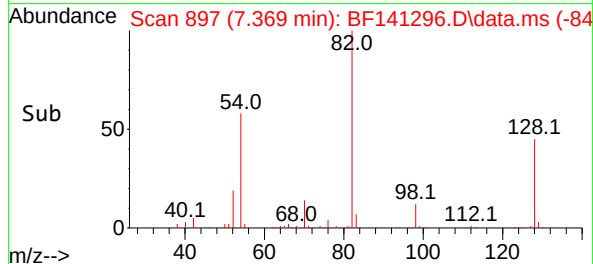
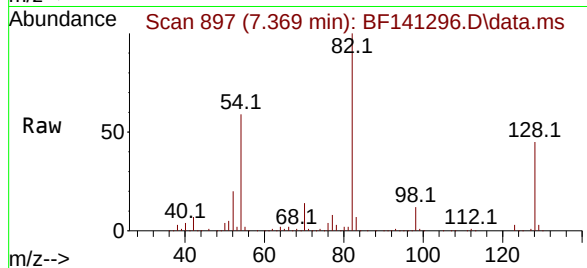
54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 58.138 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

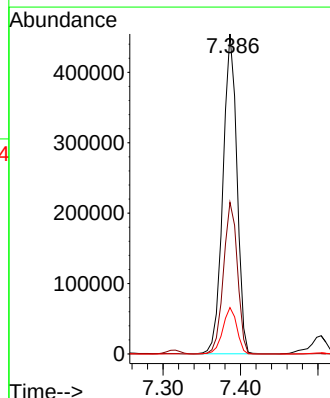
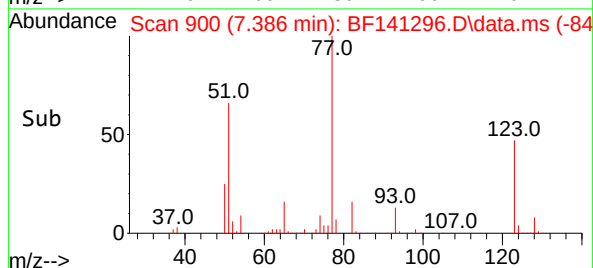
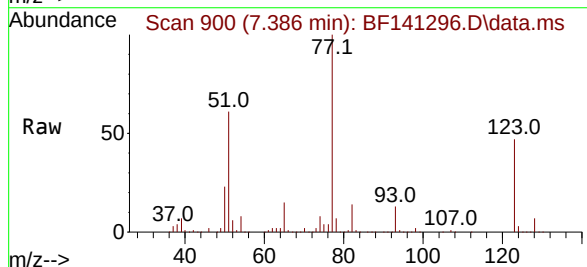
Tgt Ion: 77 Resp: 572234

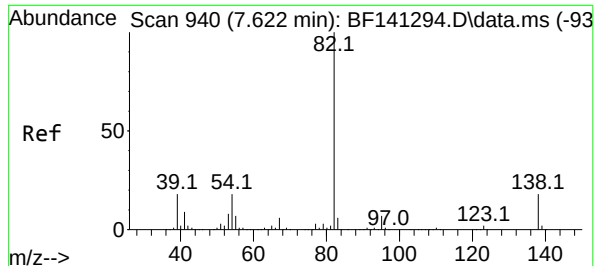
Ion Ratio Lower Upper

77 100

123 47.4 37.3 55.9

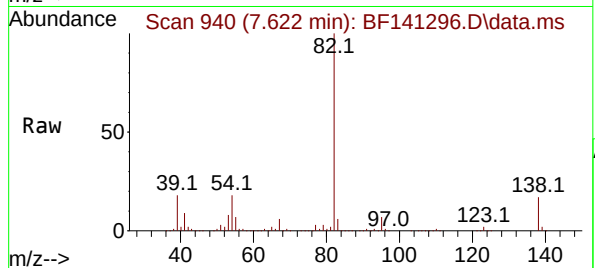
65 14.5 11.8 17.6





#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

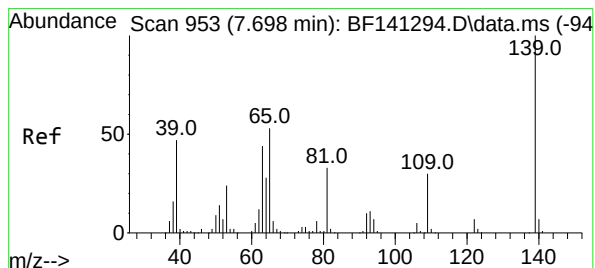
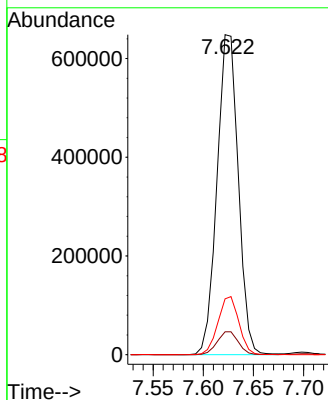
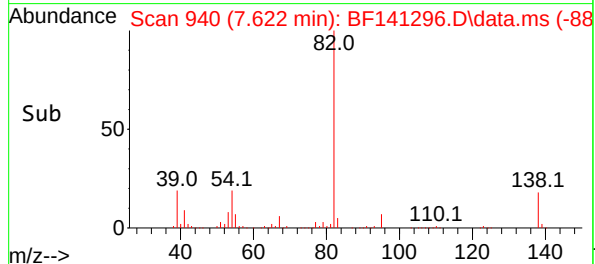
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 82 Resp: 95367
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 17.5 14.7 22.1

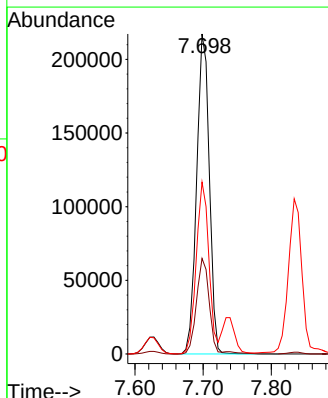
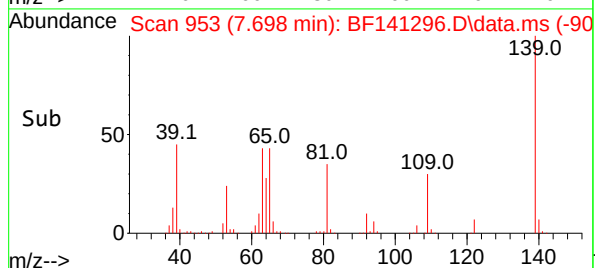
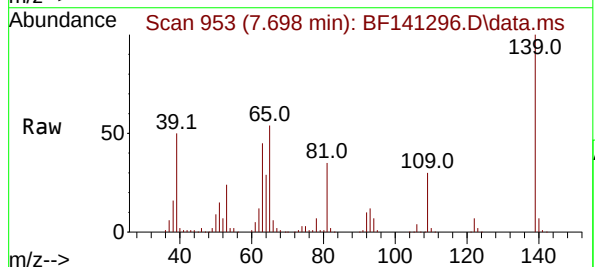
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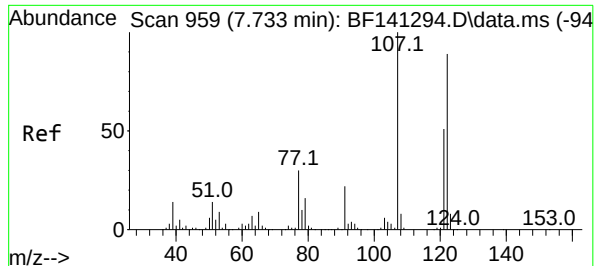
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 53.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 60.006 ng m

RT: 7.739 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 350784

Ion Ratio Lower Upper

122 100

107 110.7 89.9 134.9

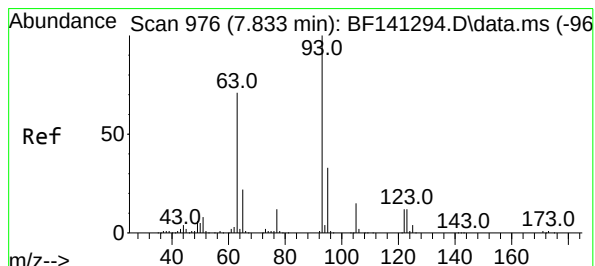
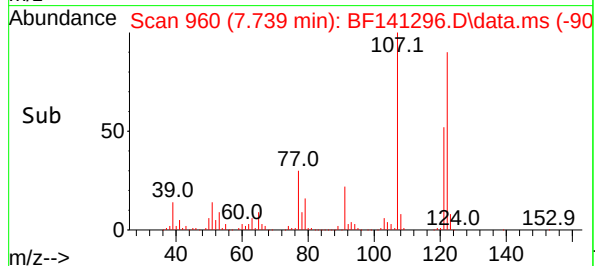
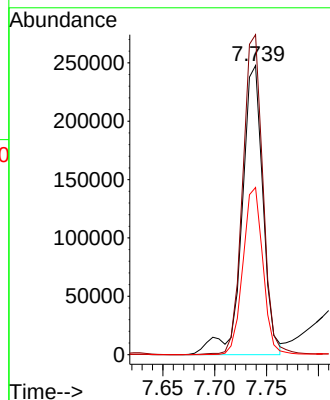
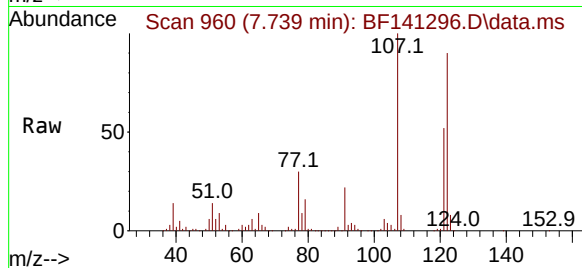
121 57.8 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 57.853 ng

RT: 7.833 min Scan# 976

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

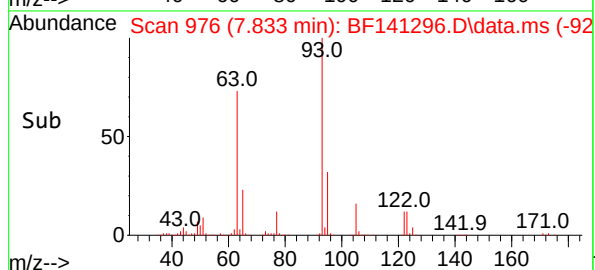
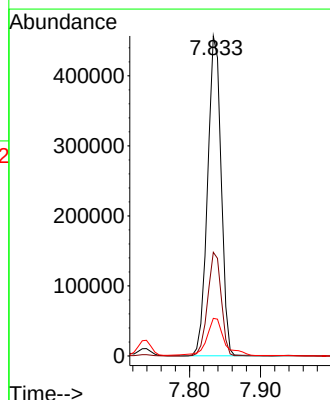
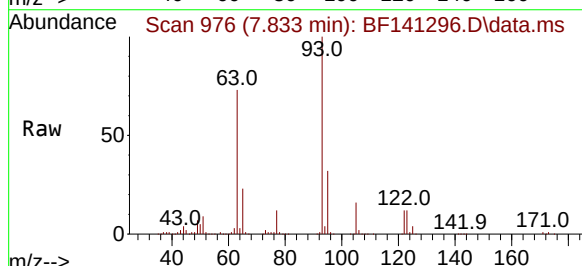
Tgt Ion: 93 Resp: 605644

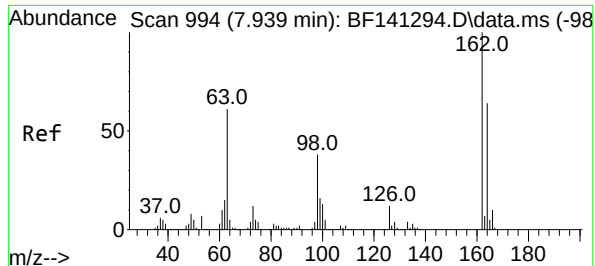
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 58.315 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 421748

Ion Ratio Lower Upper

162 100

164 63.0 44.2 84.2

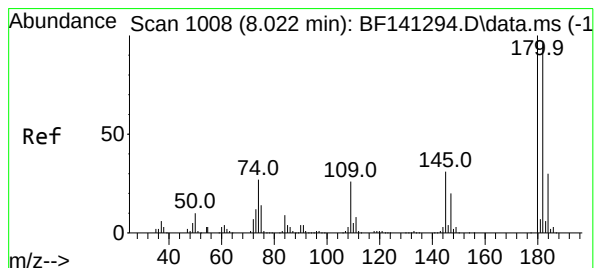
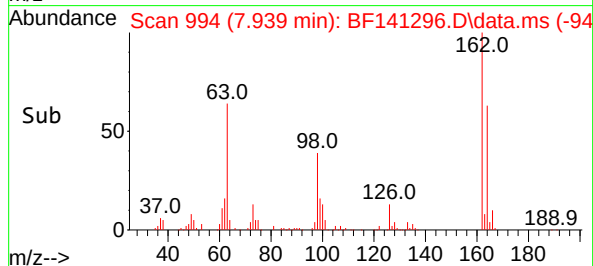
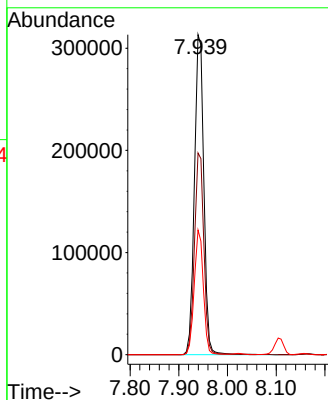
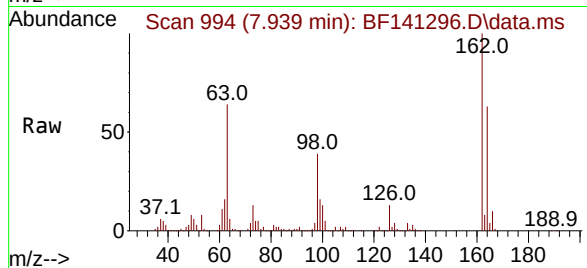
98 38.9 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 55.787 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

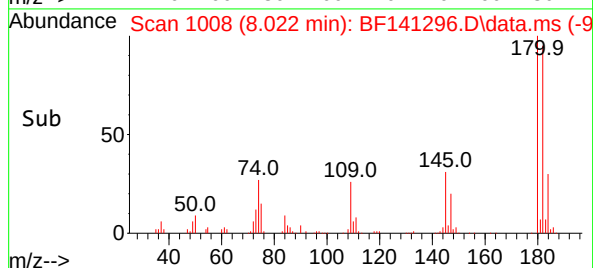
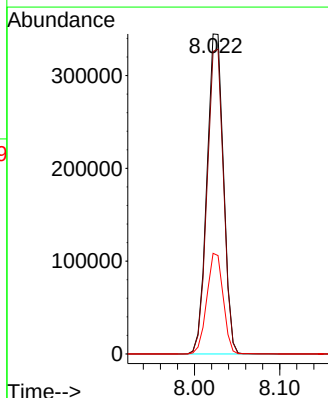
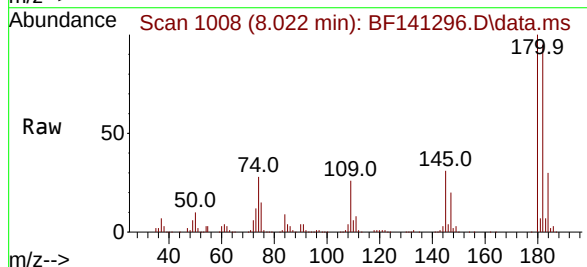
Tgt Ion:180 Resp: 465841

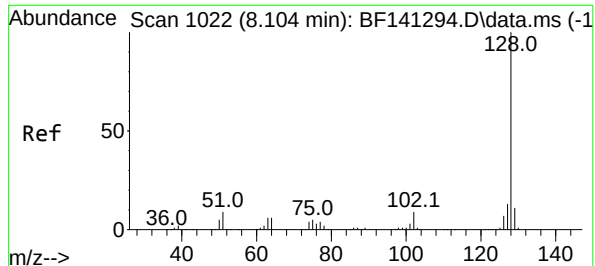
Ion Ratio Lower Upper

180 100

182 94.5 76.4 114.6

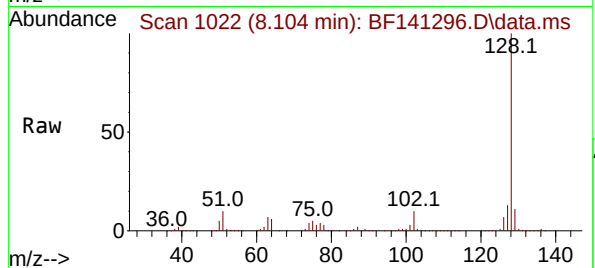
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

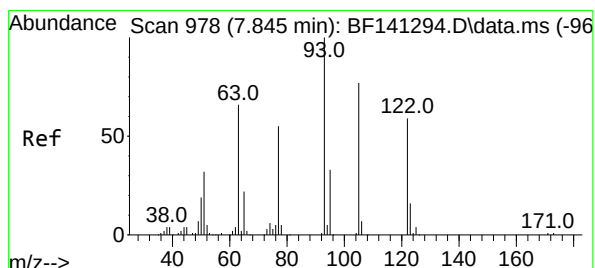
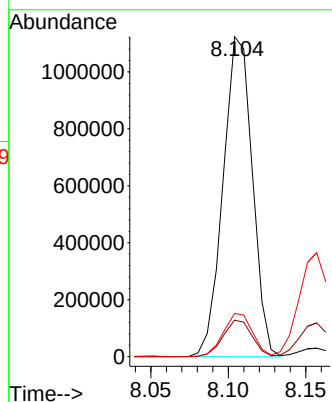
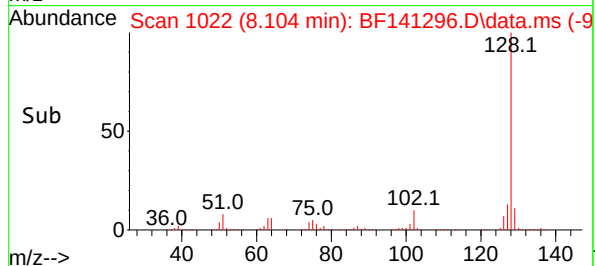
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 1475900
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.5 10.6 15.8

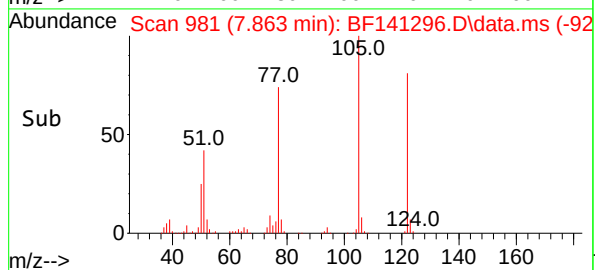
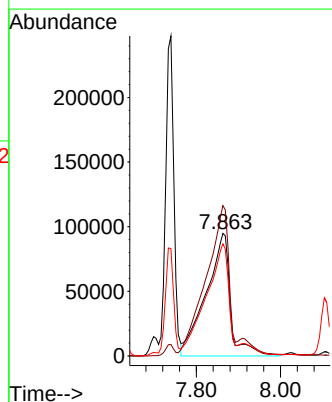
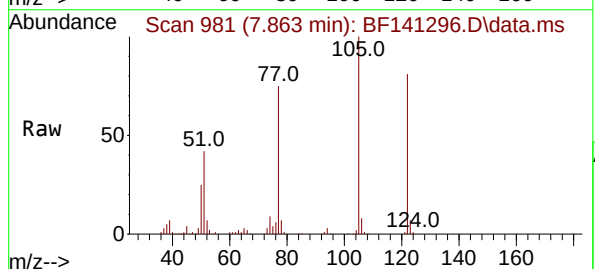
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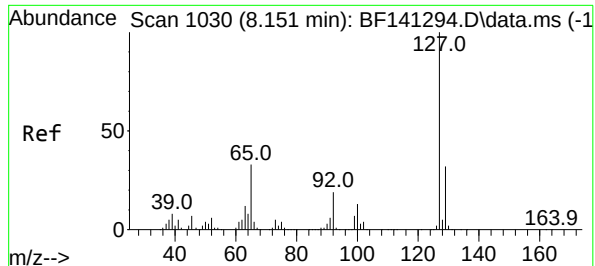
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664
Ion Ratio Lower Upper
122 100
105 122.7 103.4 143.4
77 91.6 70.9 110.9





#33

4-Chloroaniline

Concen: 56.786 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:127 Resp: 513149

Ion Ratio Lower Upper

127 100

129 32.4 25.7 38.5

65 31.7 26.4 39.6

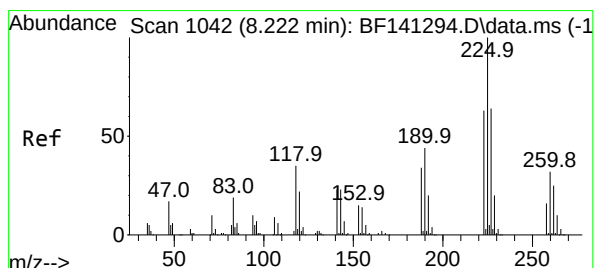
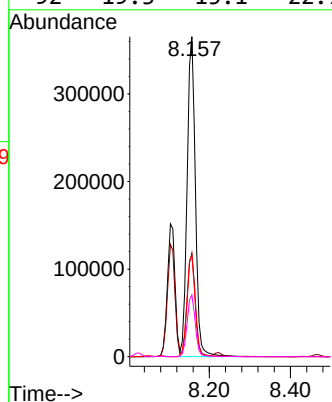
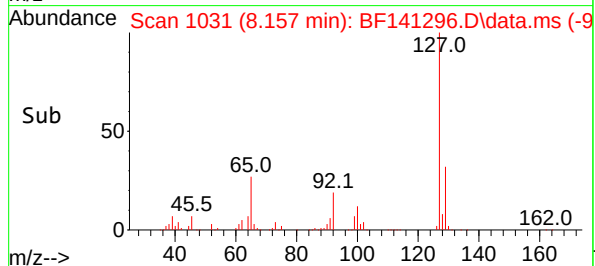
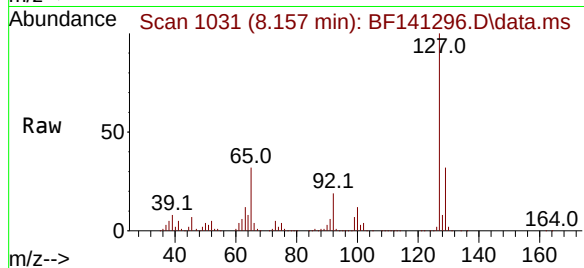
92 19.3 15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#34

Hexachlorobutadiene

Concen: 56.533 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

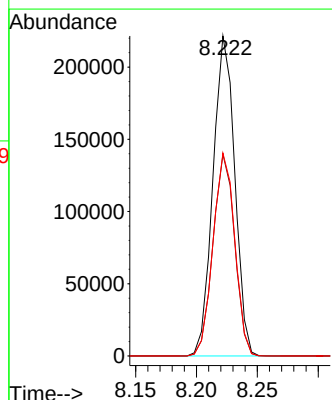
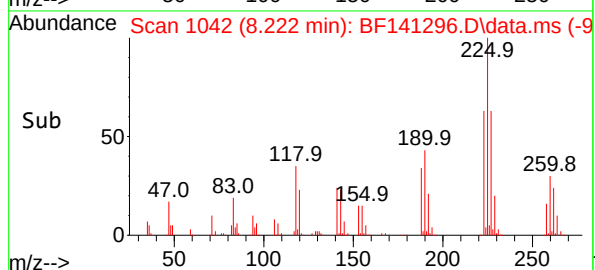
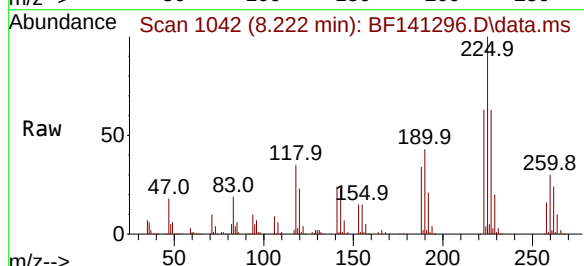
Tgt Ion:225 Resp: 275524

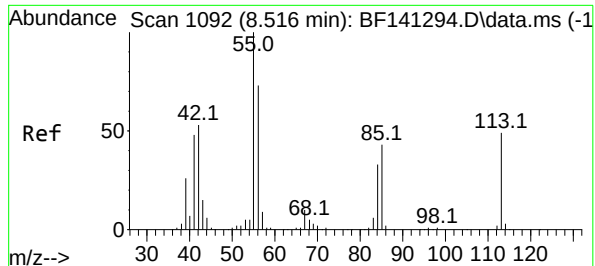
Ion Ratio Lower Upper

225 100

223 63.0 50.4 75.6

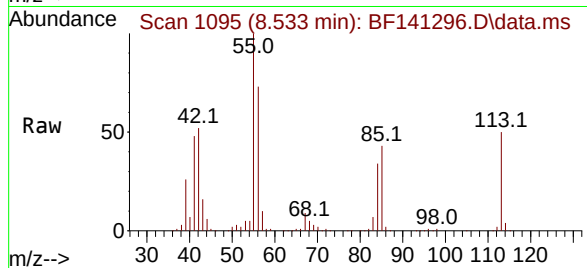
227 63.4 51.3 76.9





#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1095
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

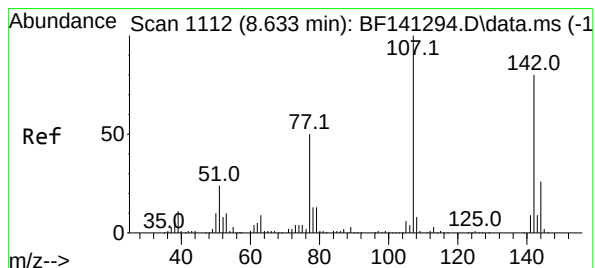
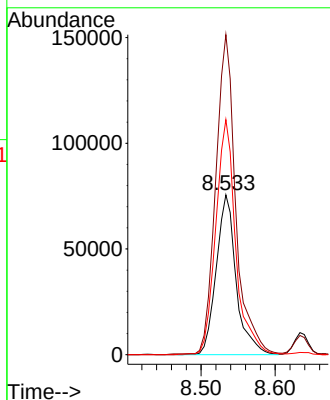
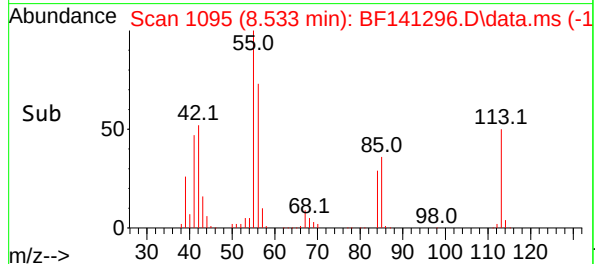
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 14102
Ion Ratio Lower Upper
113 100
55 200.2 182.9 222.9
56 147.0 127.9 167.9

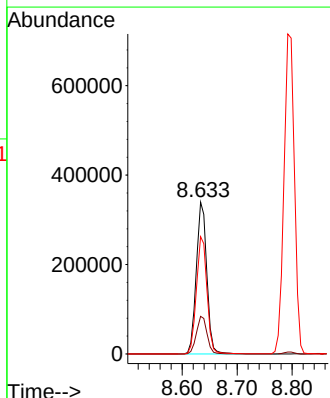
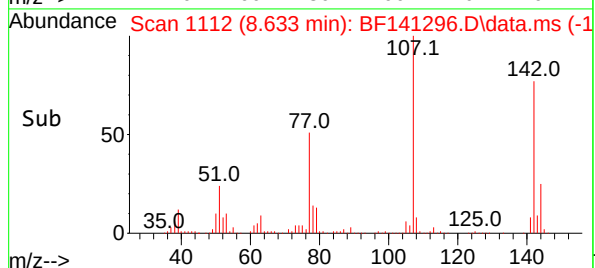
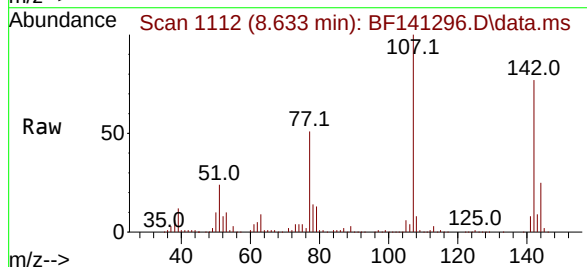
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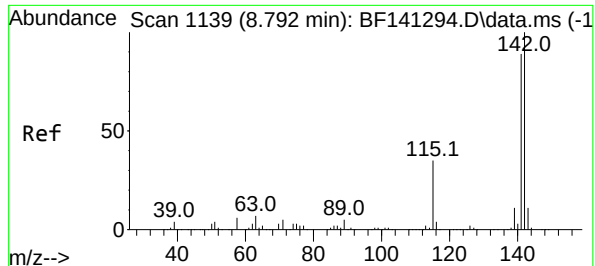
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

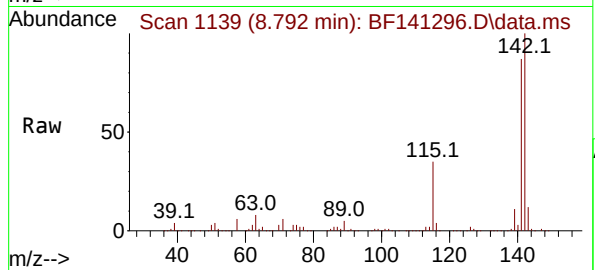
Tgt Ion:107 Resp: 452438
Ion Ratio Lower Upper
107 100
144 24.8 20.7 31.1
142 77.2 63.8 95.8





#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

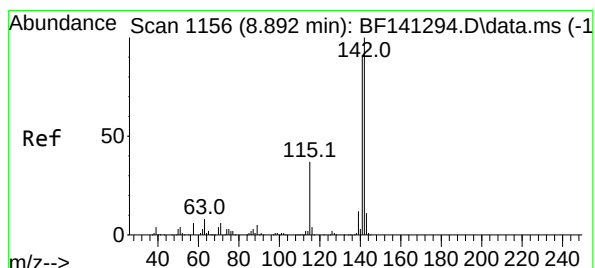
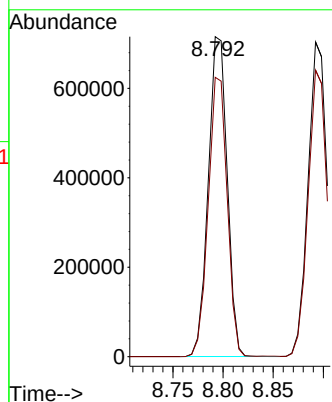
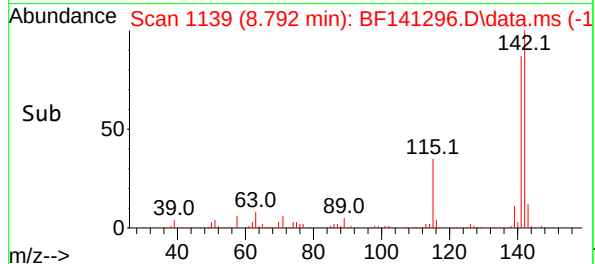
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:142 Resp: 94115
Ion Ratio Lower Upper
142 100
141 87.3 71.3 106.9

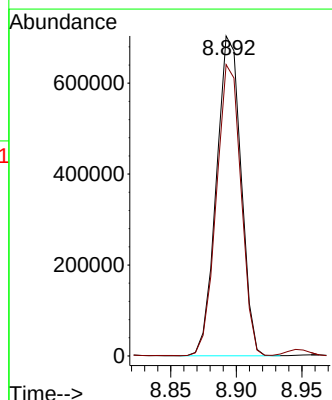
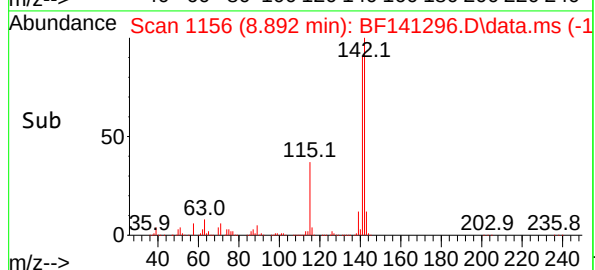
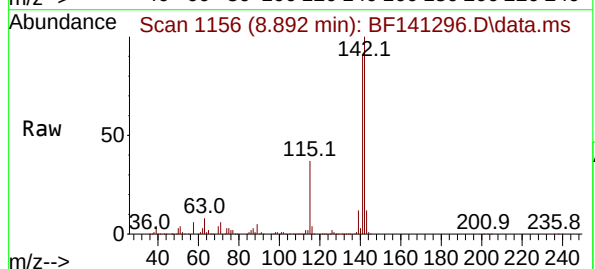
Manual Integrations
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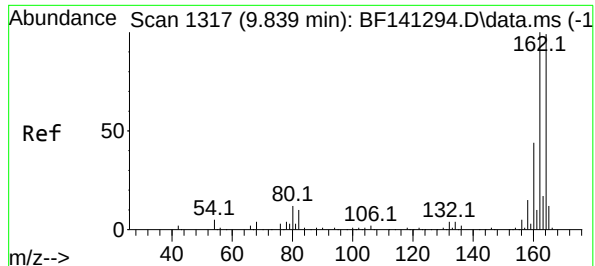
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141296.D

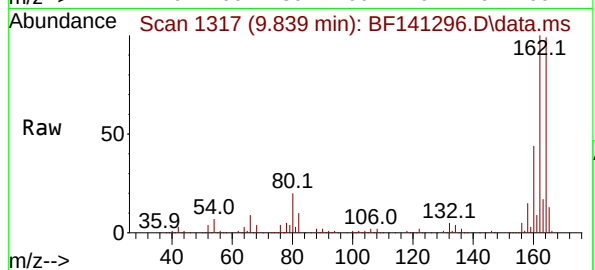
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:164 Resp: 260269

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

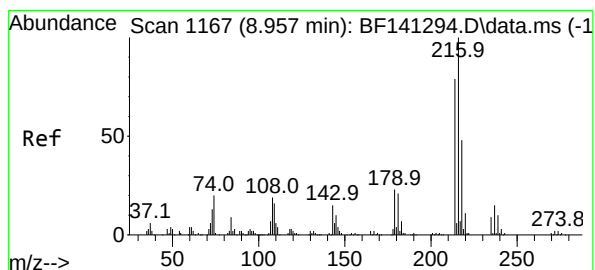
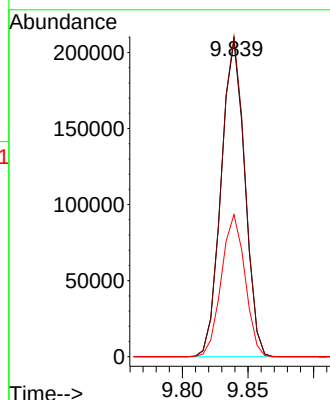
160 45.0 35.8 53.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

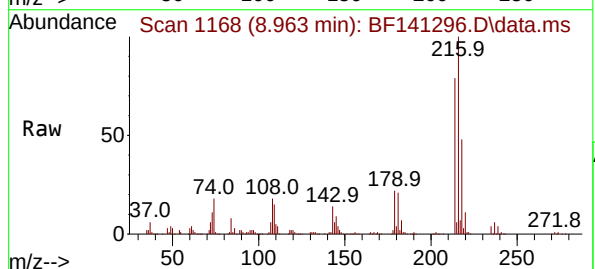
Concen: 56.609 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:216 Resp: 430239

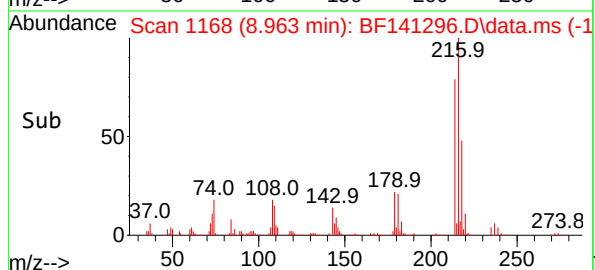
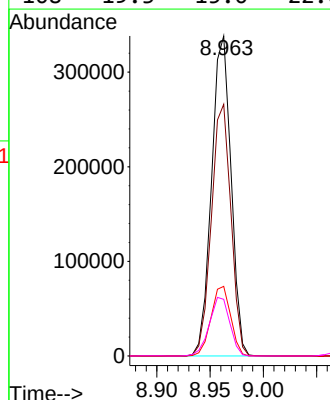
Ion Ratio Lower Upper

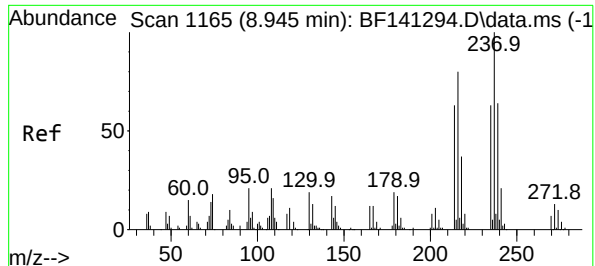
216 100

214 78.9 63.2 94.8

179 22.0 17.8 26.8

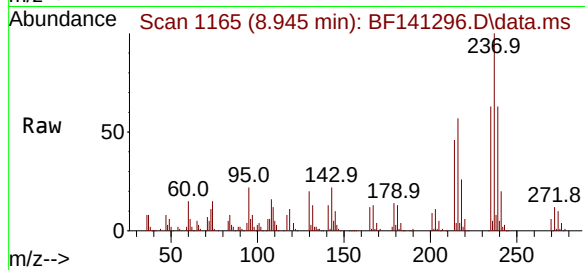
108 19.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

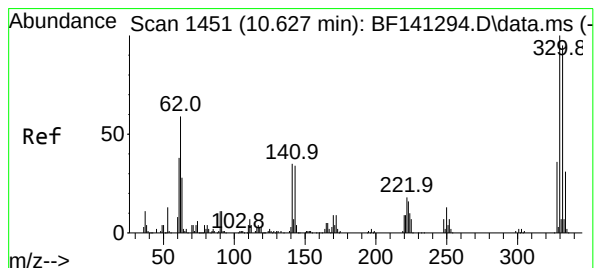
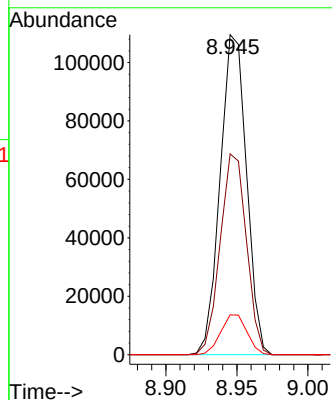
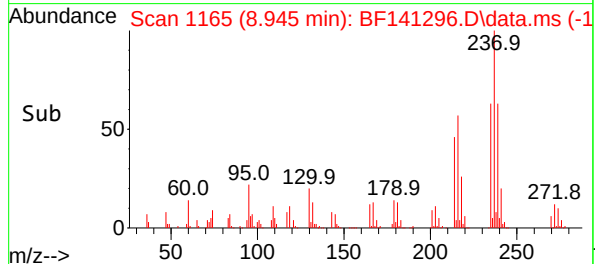
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



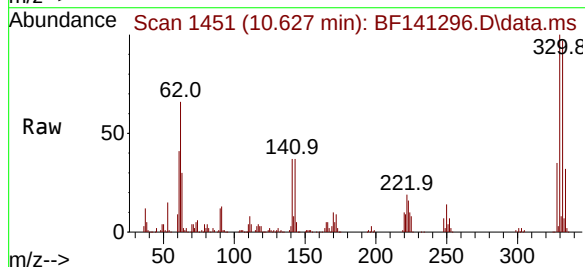
Tgt Ion: 237 Resp: 14138
Ion Ratio Lower Upper
237 100
235 62.8 42.9 82.9
272 12.5 0.0 32.8

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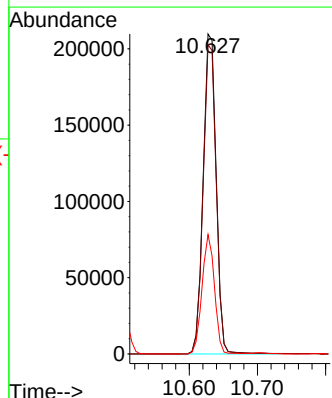
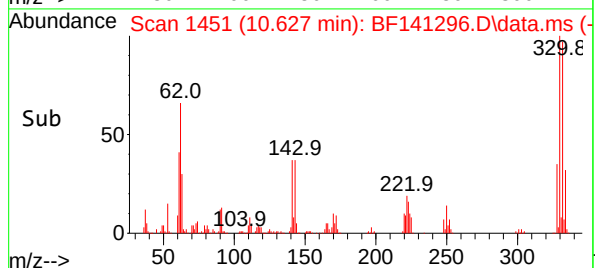
Reviewed By : Yogesh Patel 01/30/2025
Supervised By : mohammad ahmed 02/04/2025

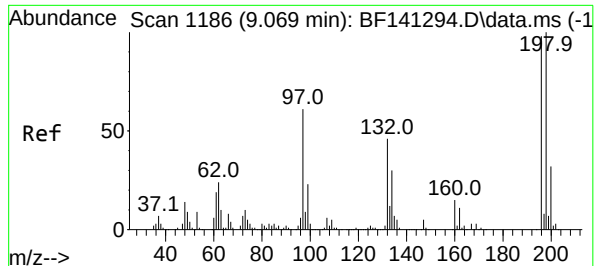


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion: 330 Resp: 279105
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.8 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 58.588 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BF141296.D

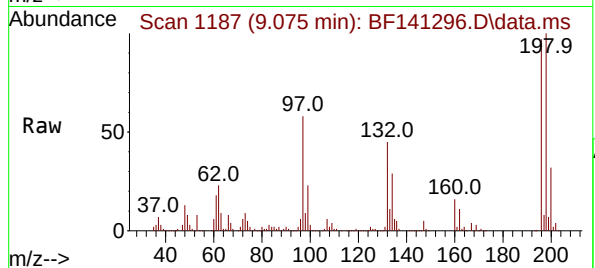
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 288290

Ion Ratio Lower Upper

196 100

198 102.9 81.8 122.6

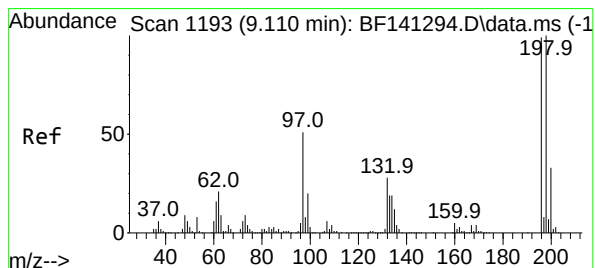
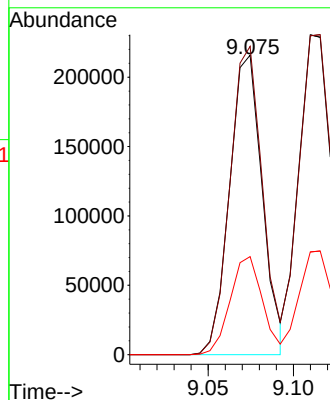
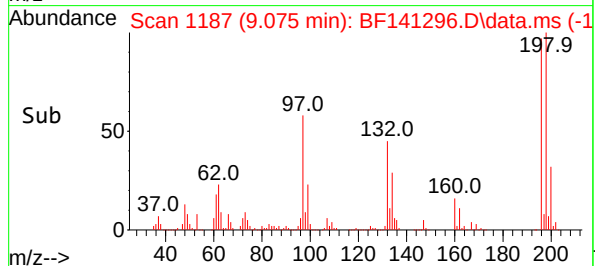
200 32.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

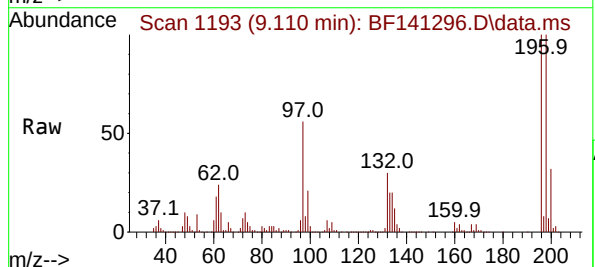
Concen: 59.000 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



Tgt Ion:196 Resp: 314912

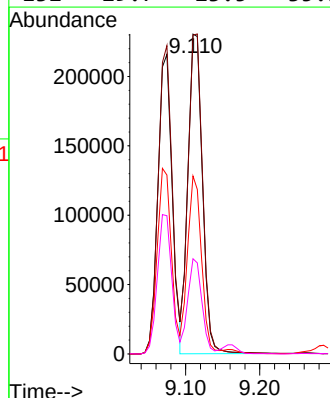
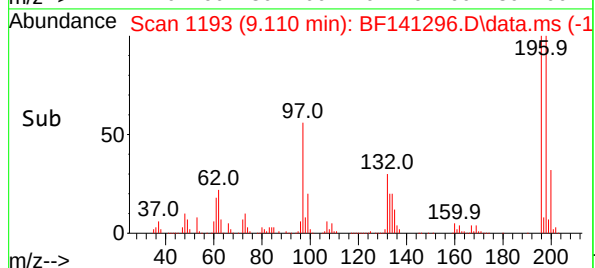
Ion Ratio Lower Upper

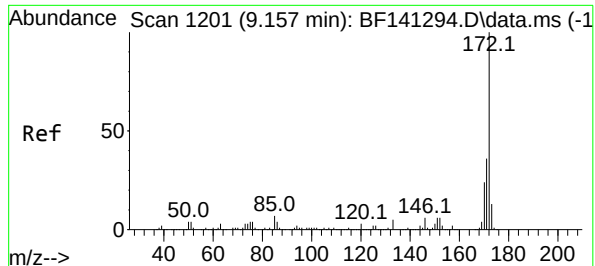
196 100

198 99.7 80.5 120.7

97 55.7 42.8 64.2

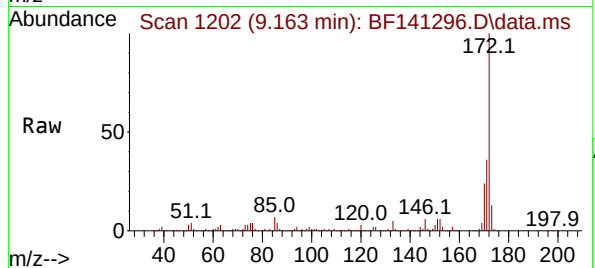
132 29.7 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1202
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

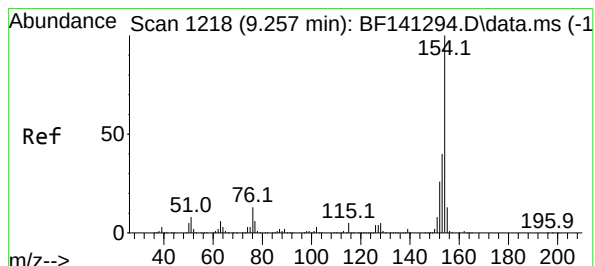
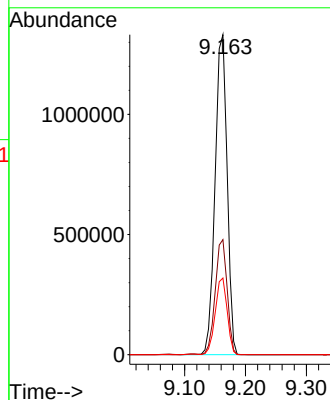
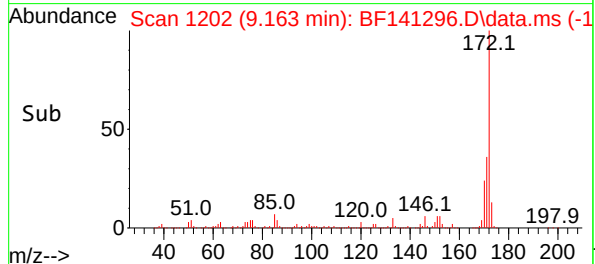
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 1824372
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.0 19.0 28.6

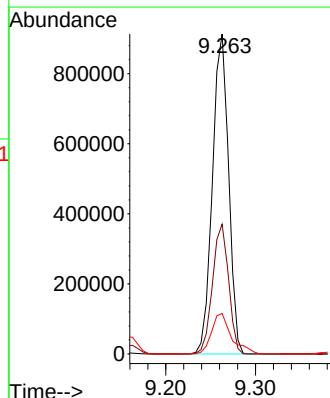
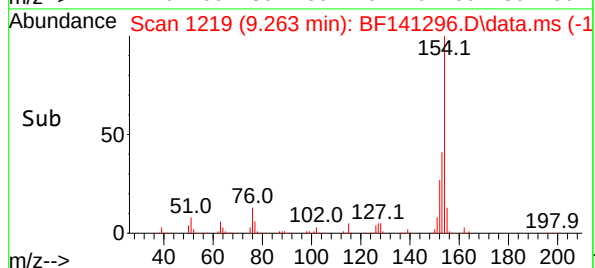
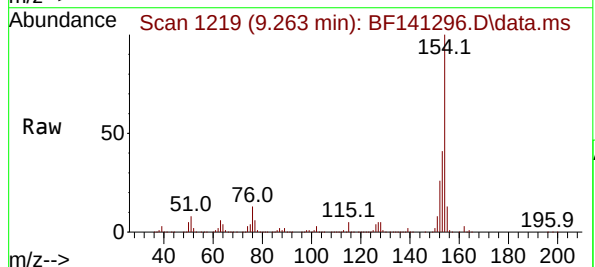
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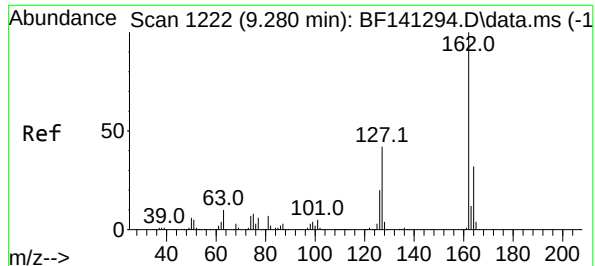
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946
Ion Ratio Lower Upper
154 100
153 40.6 20.0 60.0
76 12.7 0.0 32.8





#47

2-Chloronaphthalene

Concen: 55.247 ng

RT: 9.286 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 90256

Ion Ratio Lower Upper

162 100

127 41.8 33.7 50.5

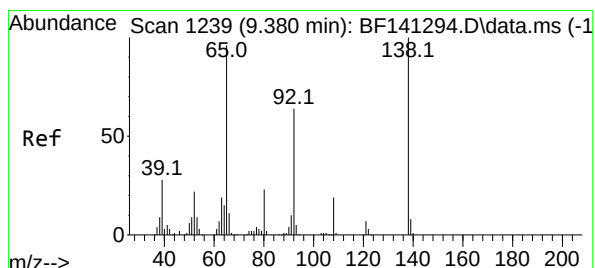
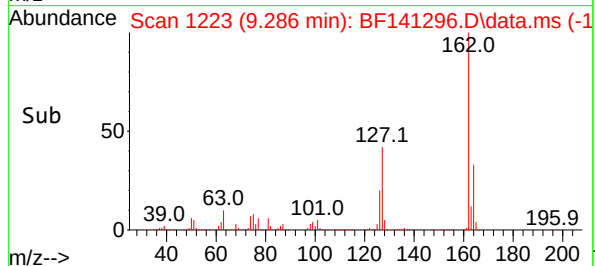
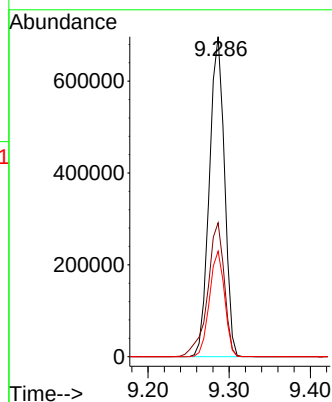
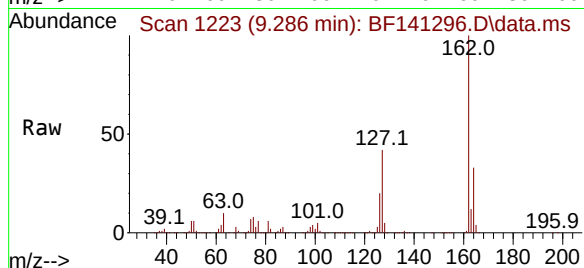
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 59.861 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

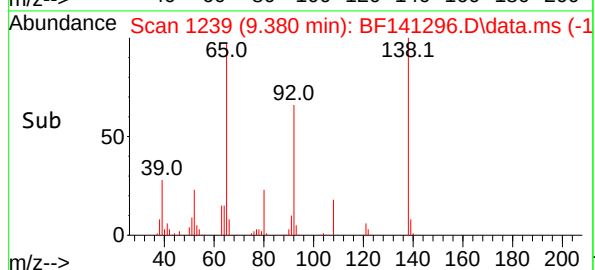
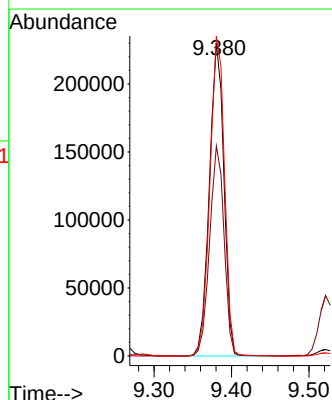
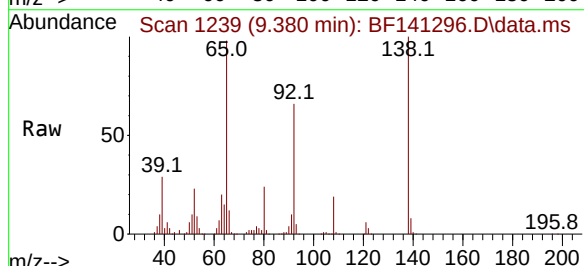
Tgt Ion: 65 Resp: 300339

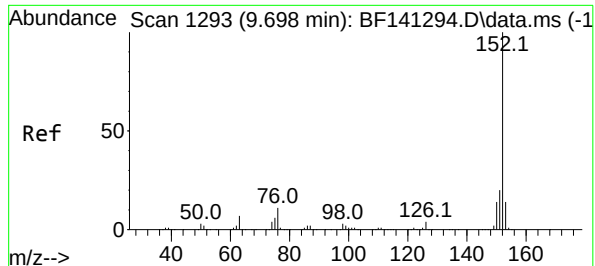
Ion Ratio Lower Upper

65 100

92 67.1 53.3 79.9

138 102.3 83.6 125.4





#49

Acenaphthylene

Concen: 54.924 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.000 min

Lab File: BF141296.D

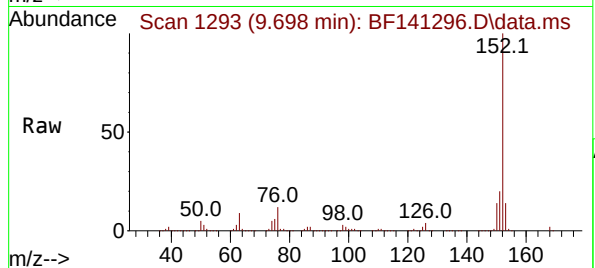
Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 125873

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

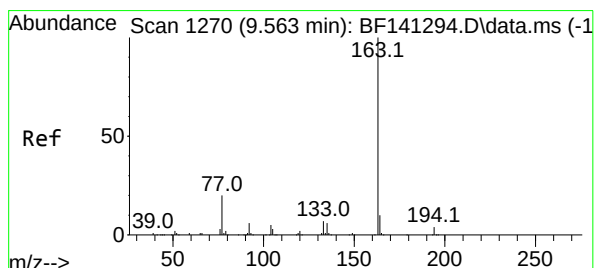
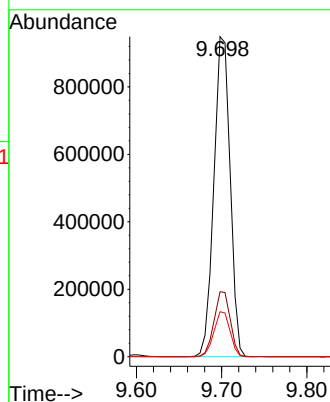
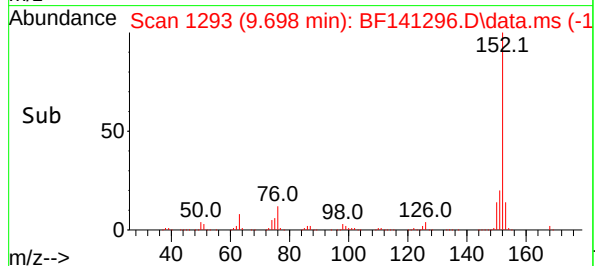
153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

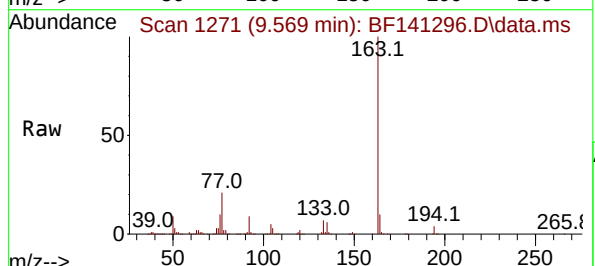
Concen: 56.075 ng

RT: 9.569 min Scan# 1271

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38



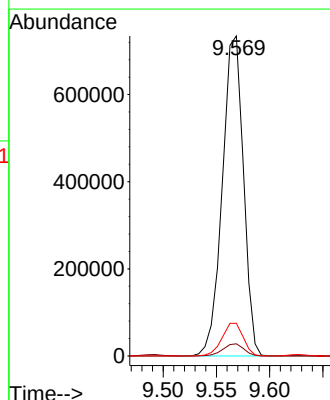
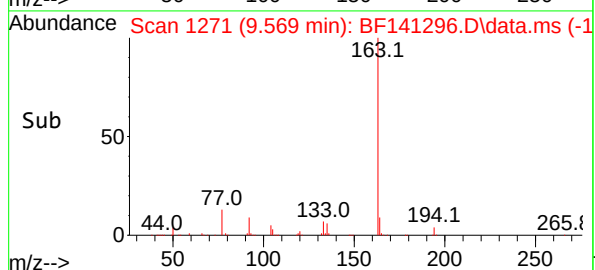
Tgt Ion:163 Resp: 1012298

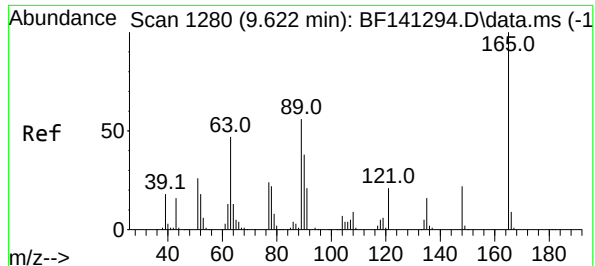
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

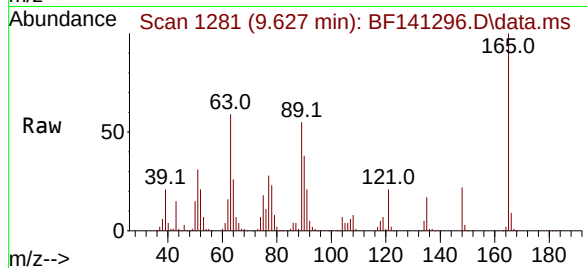
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

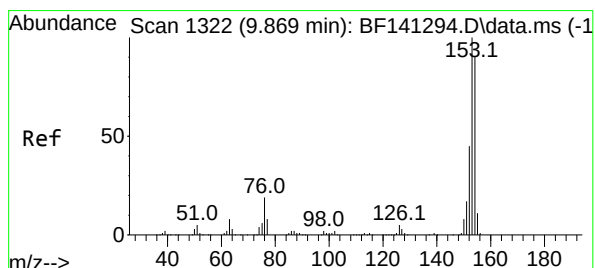
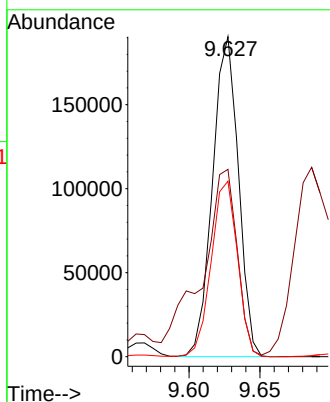
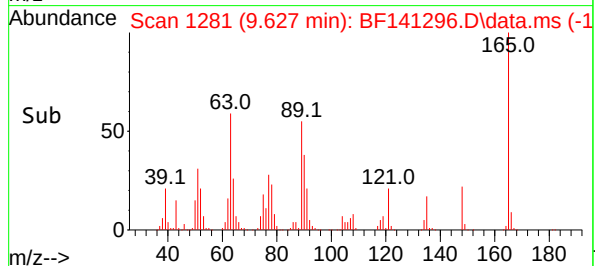
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 24124
Ion Ratio Lower Upper
165 100
63 58.5 48.1 72.1
89 54.8 44.9 67.3

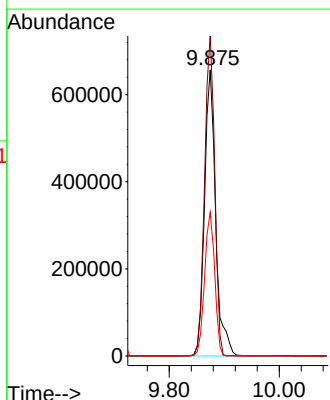
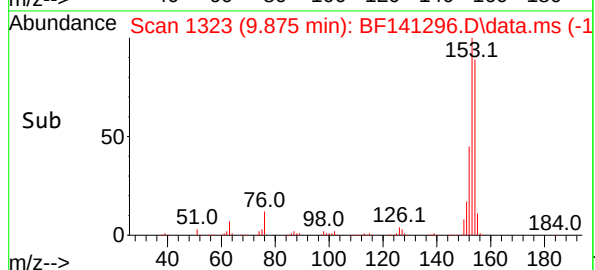
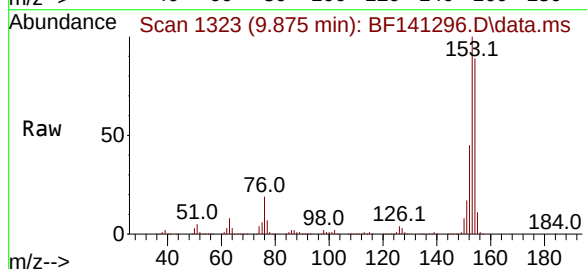
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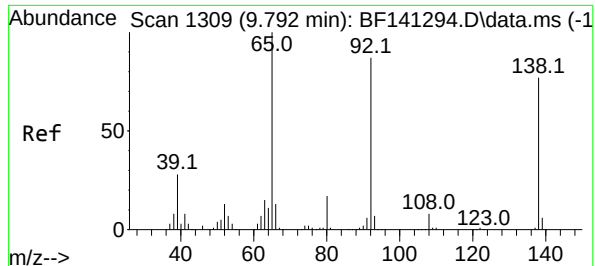
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

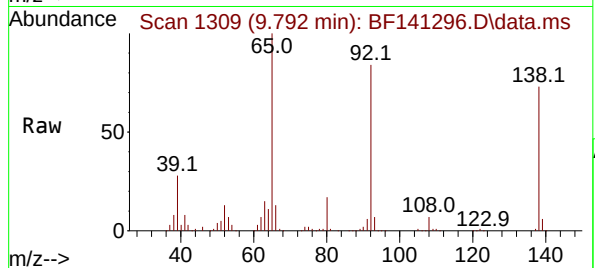
Tgt Ion:154 Resp: 921519
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.2 40.2 60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

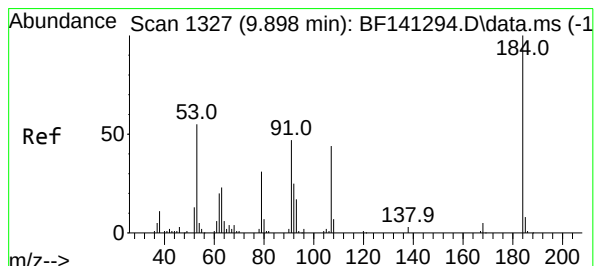
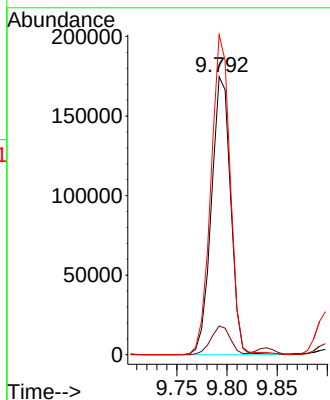
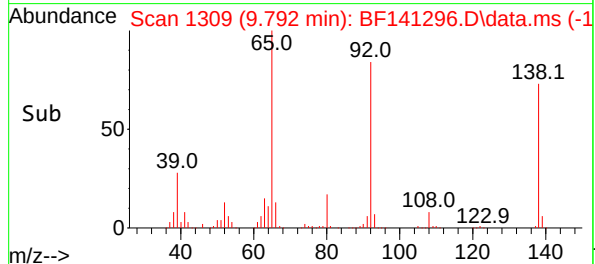
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:138 Resp: 232680
Ion Ratio Lower Upper
138 100
108 10.3 8.6 12.8
92 115.2 91.0 136.6

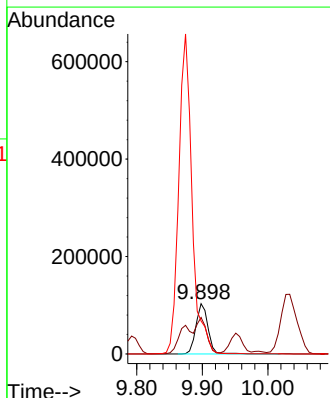
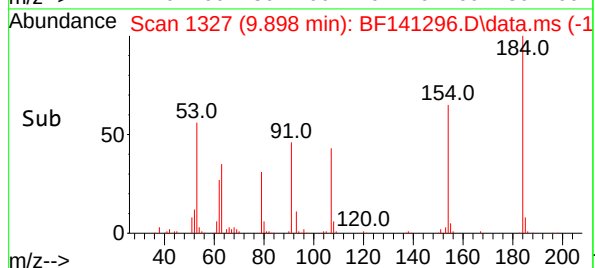
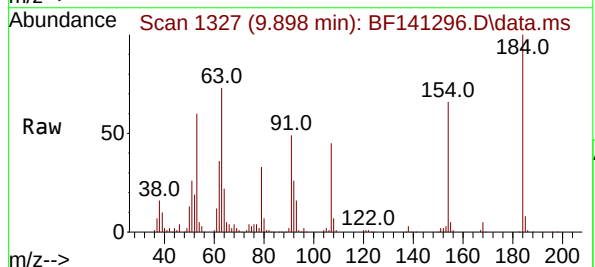
Manual Integrations
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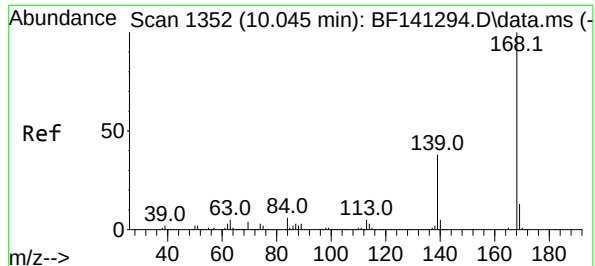
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244
Ion Ratio Lower Upper
184 100
63 72.8 54.1 81.1
154 65.5 50.7 76.1





#55

Dibenzenofuran

Concen: 54.629 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 120202

Ion Ratio Lower Upper

168 100

139 38.8 30.6 46.0

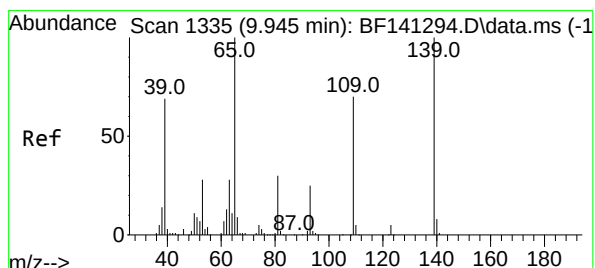
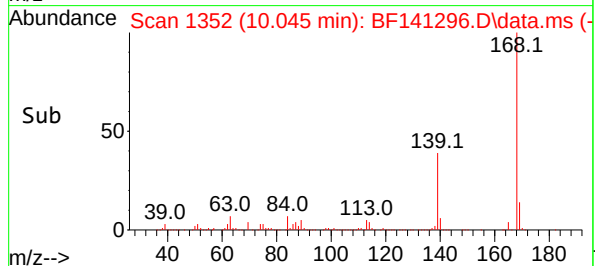
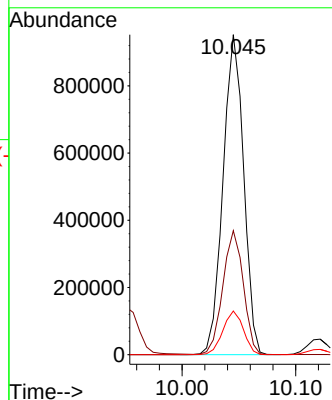
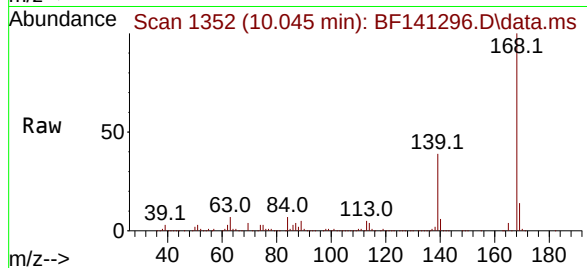
169 13.7 10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 66.120 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

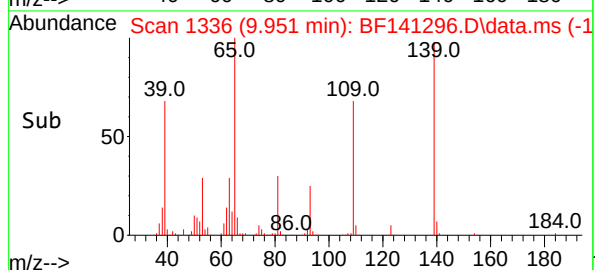
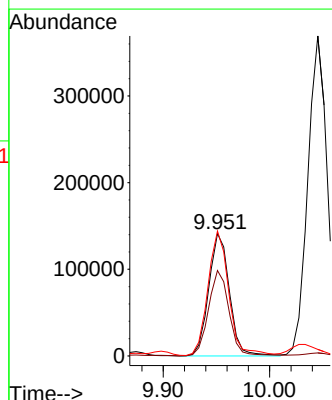
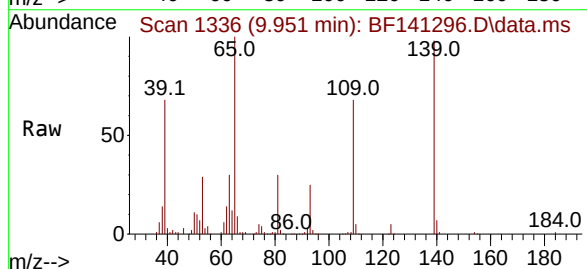
Tgt Ion:139 Resp: 190620

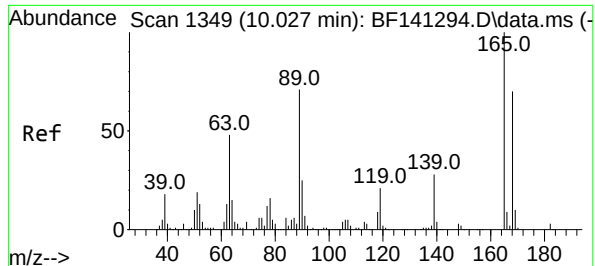
Ion Ratio Lower Upper

139 100

109 69.8 50.2 90.2

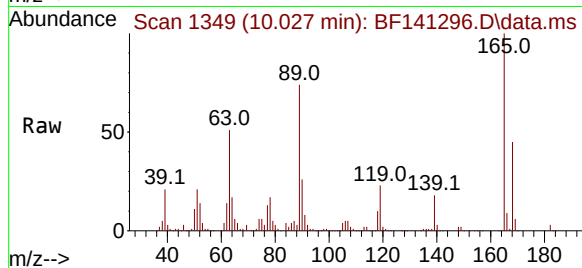
65 102.1 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

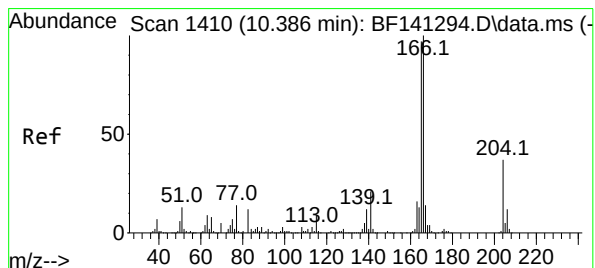
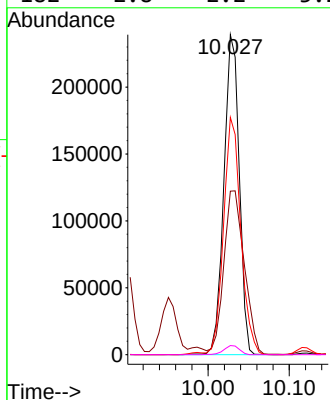
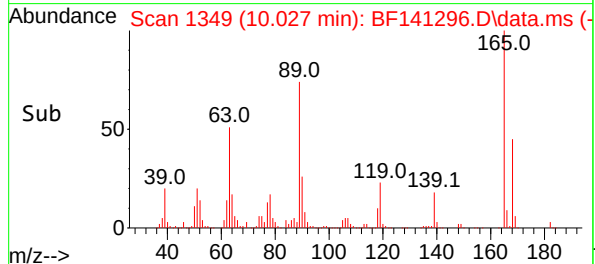
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



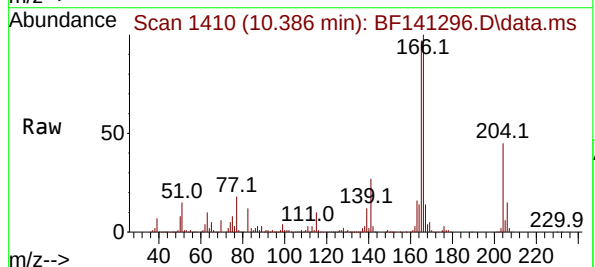
Tgt Ion:165 Resp: 31522
Ion Ratio Lower Upper
165 100
63 51.1 39.2 58.8
89 74.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

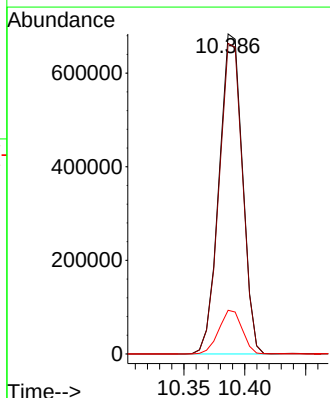
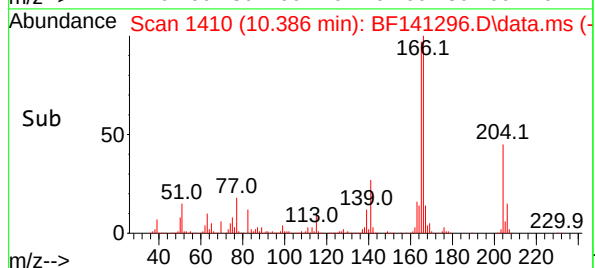
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

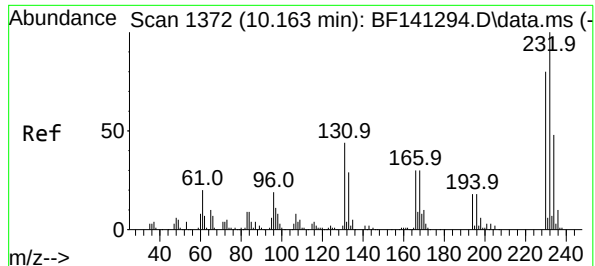


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



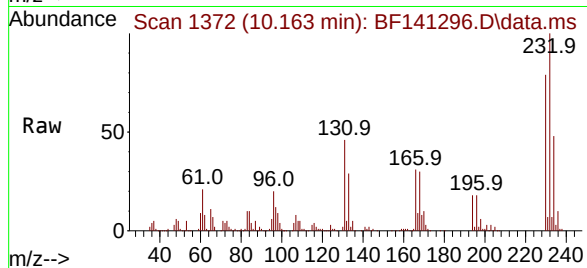
Tgt Ion:166 Resp: 915246
Ion Ratio Lower Upper
166 100
165 97.1 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

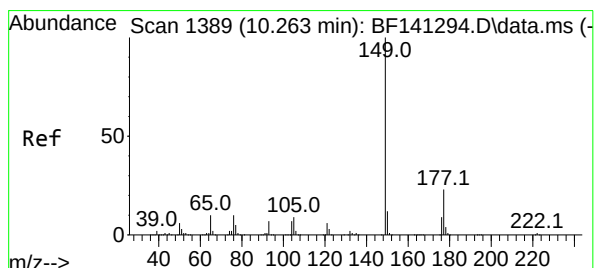
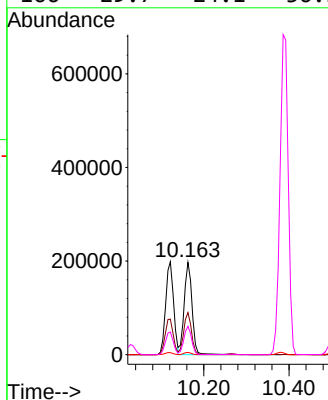
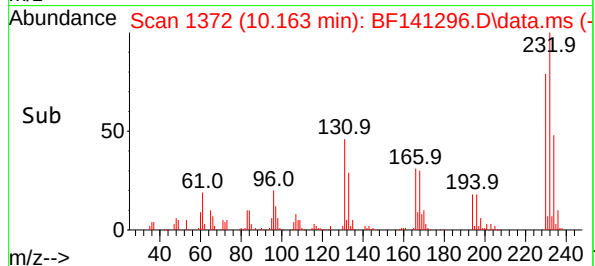
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



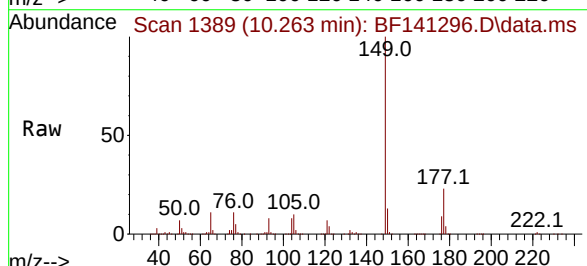
Tgt Ion:232 Resp: 252964
Ion Ratio Lower Upper
232 100
131 45.3 36.4 54.6
130 2.3 1.9 2.9
166 29.7 24.1 36.1

Manual Integrations
APPROVED

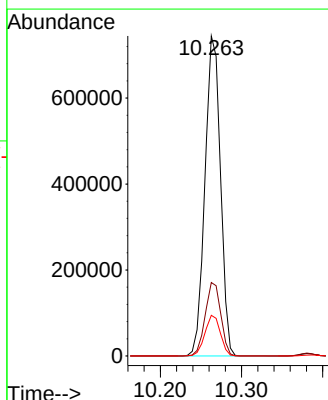
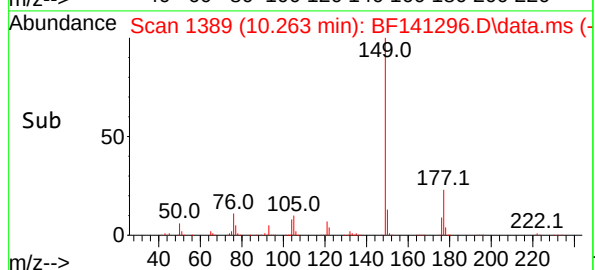
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

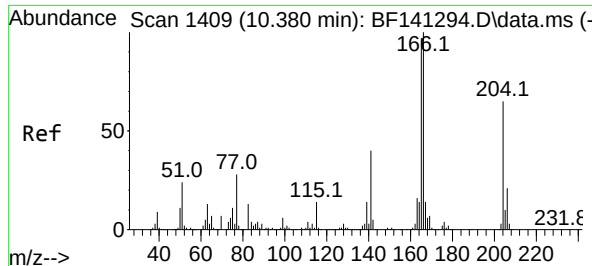


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



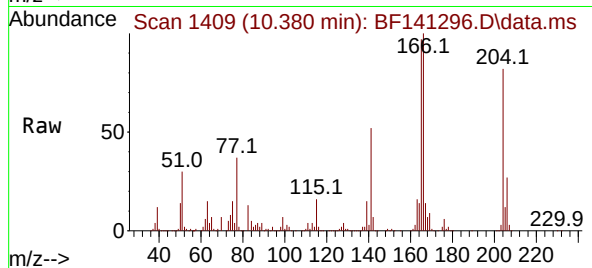
Tgt Ion:149 Resp: 983788
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.7 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

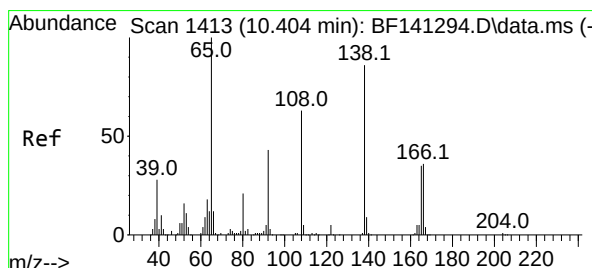
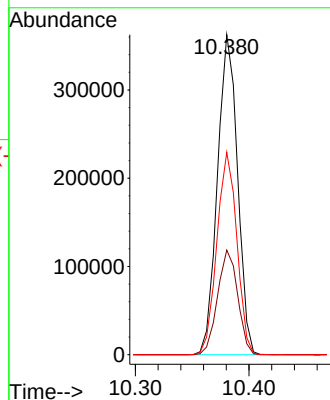
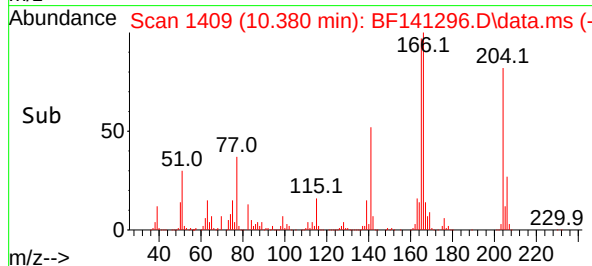
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



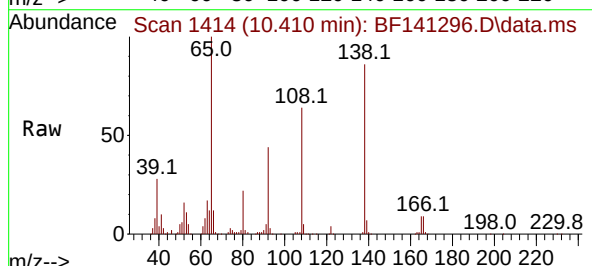
Tgt Ion:204 Resp: 44584
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 63.2 49.5 74.3

Manual Integrations
APPROVED

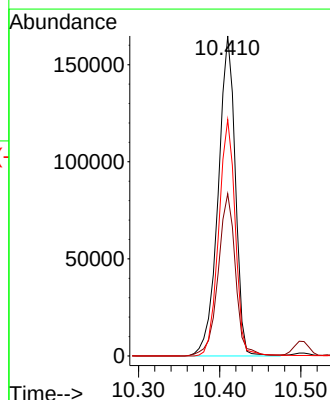
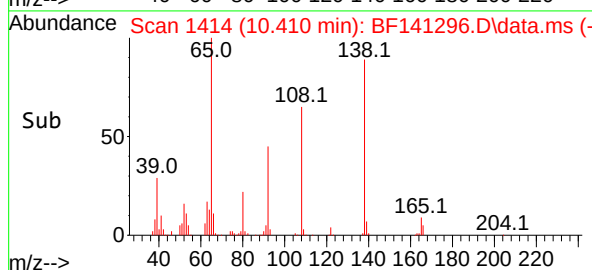
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

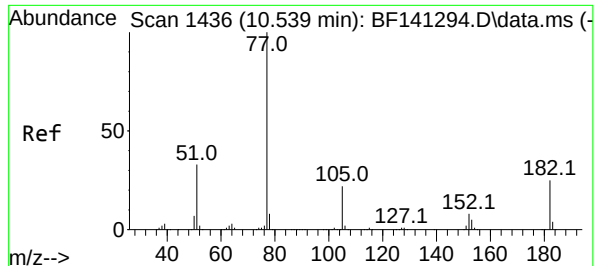


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



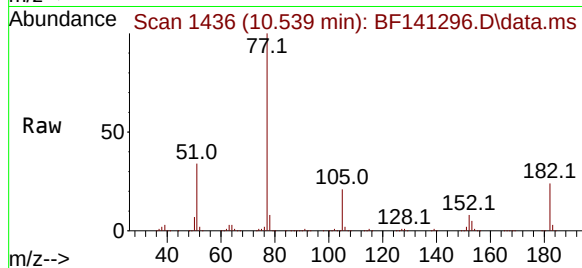
Tgt Ion:138 Resp: 242716
Ion Ratio Lower Upper
138 100
92 50.7 30.1 70.1
108 73.8 53.1 93.1





#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

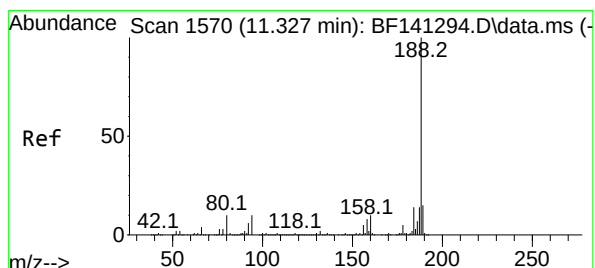
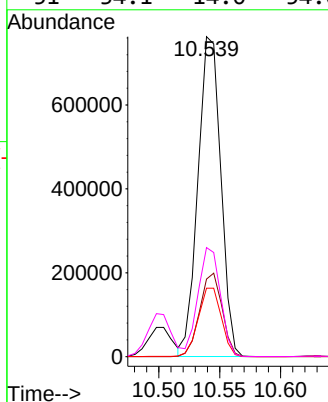
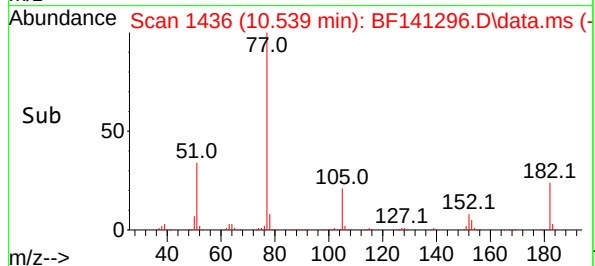
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



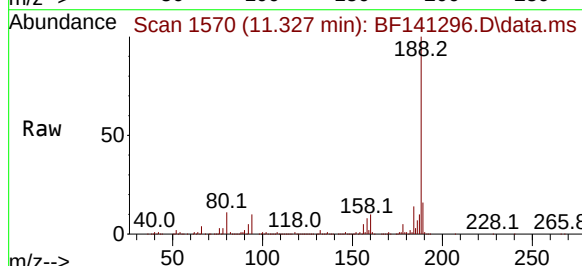
Tgt Ion: 77 Resp: 996600
Ion Ratio Lower Upper
77 100
182 24.3 5.1 45.1
105 21.4 1.8 41.8
51 34.1 14.0 54.0

Manual Integrations
APPROVED

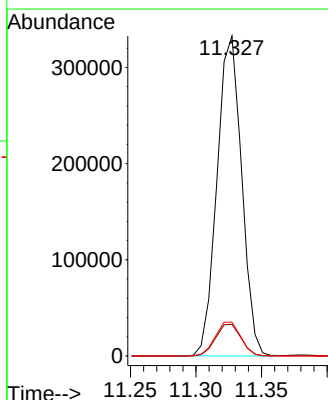
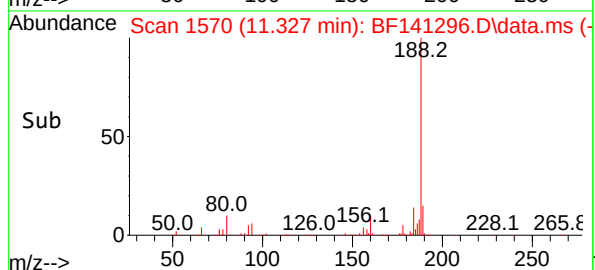
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

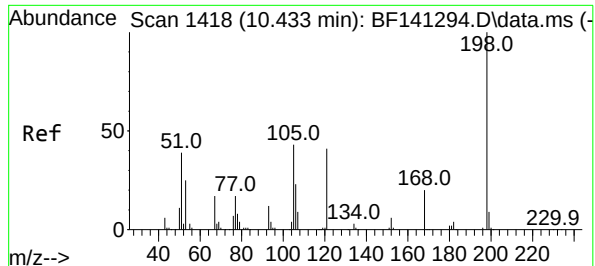


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



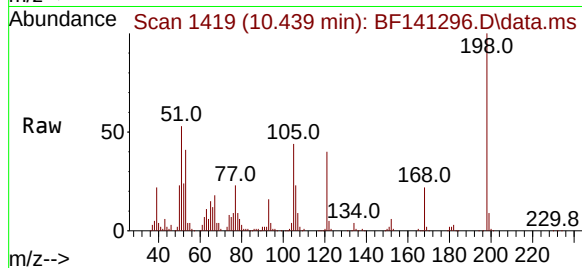
Tgt Ion:188 Resp: 434671
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

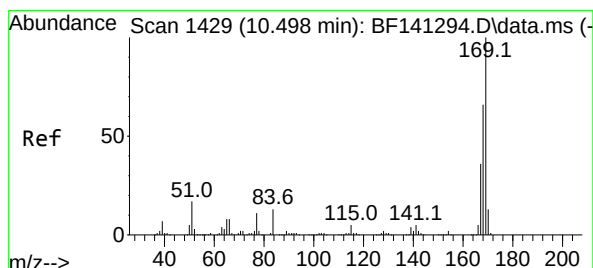
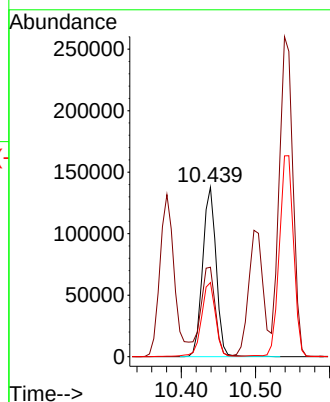
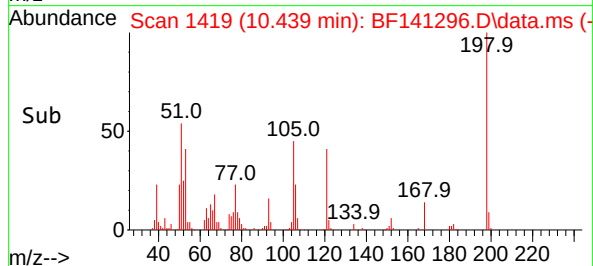
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 174248
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.7 24.4 64.4

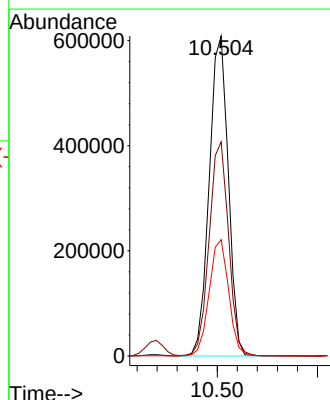
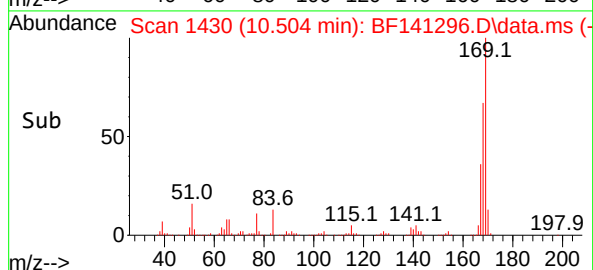
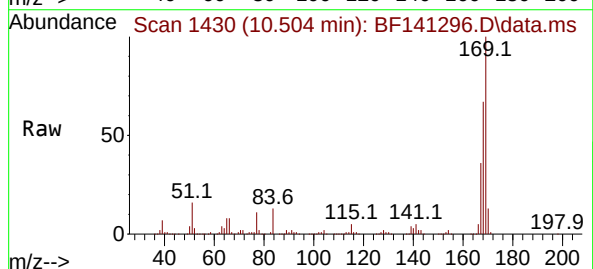
Manual Integrations
APPROVED

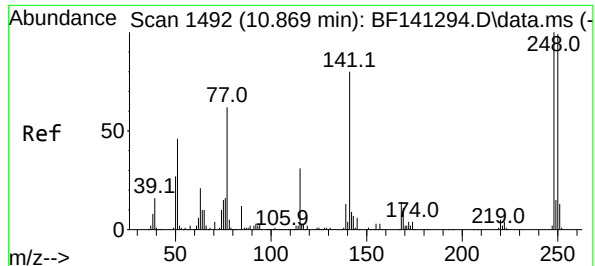
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

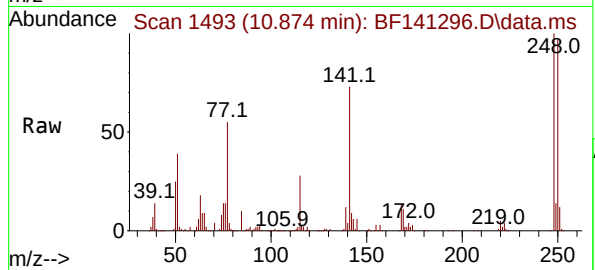
Tgt Ion:169 Resp: 800147
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 1492
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

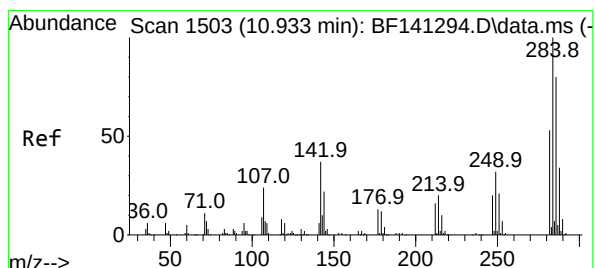
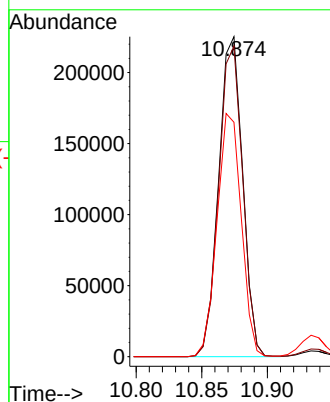
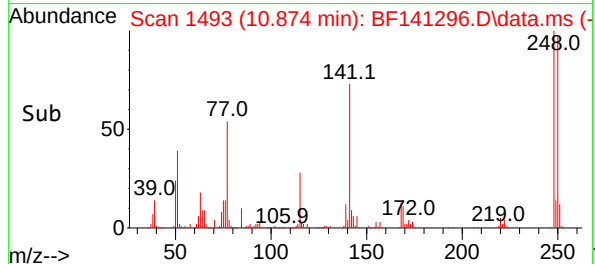
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:248 Resp: 28664
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 73.2 63.7 95.5

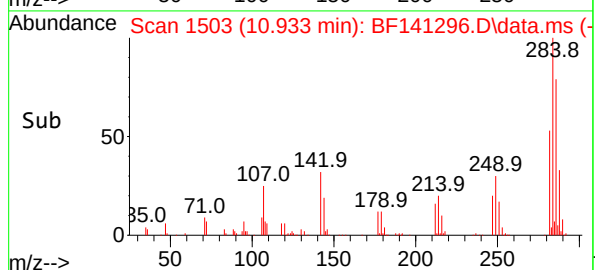
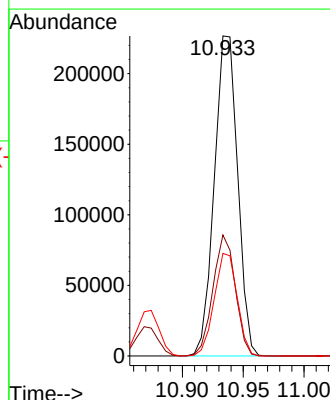
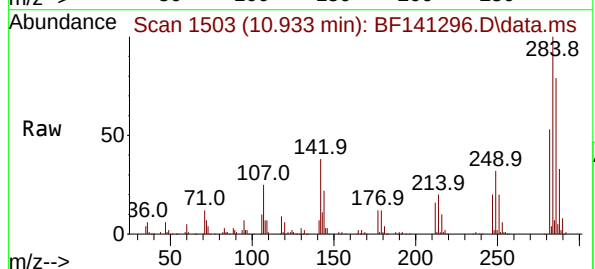
Manual Integrations
APPROVED

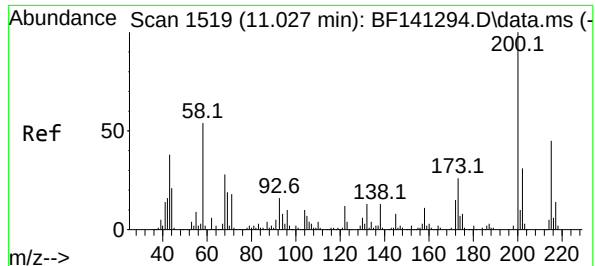
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508
Ion Ratio Lower Upper
284 100
142 37.8 29.5 44.3
249 32.0 25.4 38.2





#69

Atrazine

Concen: 66.863 ng

RT: 11.033 min Scan# 1520

Delta R.T. 0.006 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDIC060

Tgt Ion:200 Resp: 306524

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

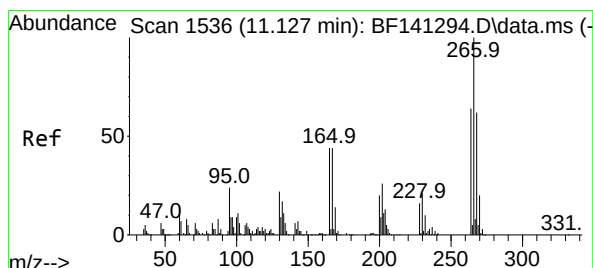
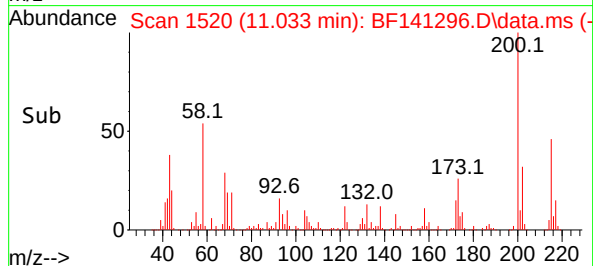
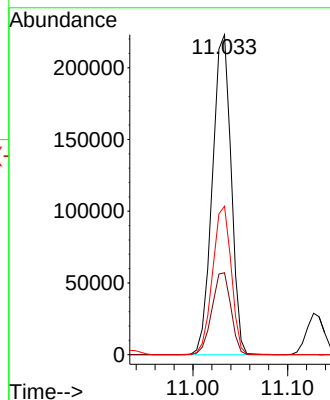
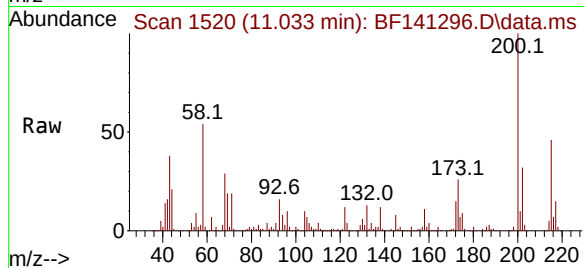
215 46.4 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#70

Pentachlorophenol

Concen: 65.443 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

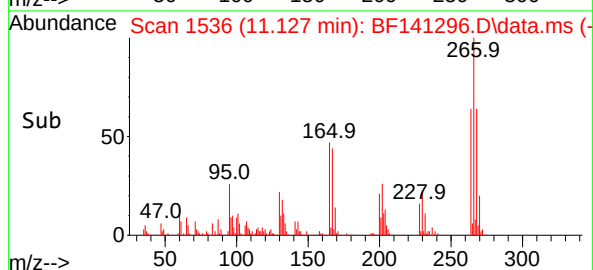
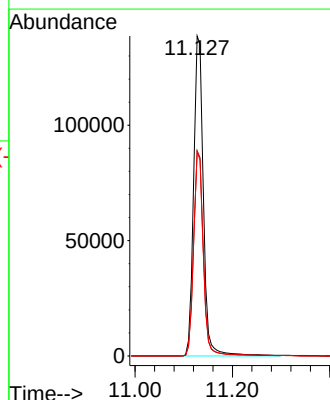
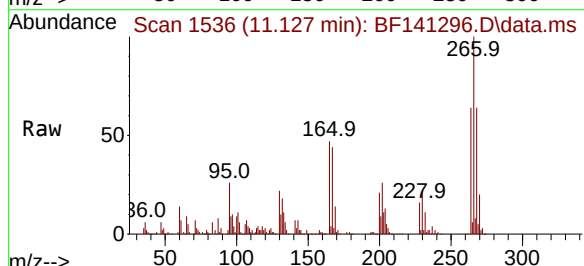
Tgt Ion:266 Resp: 194335

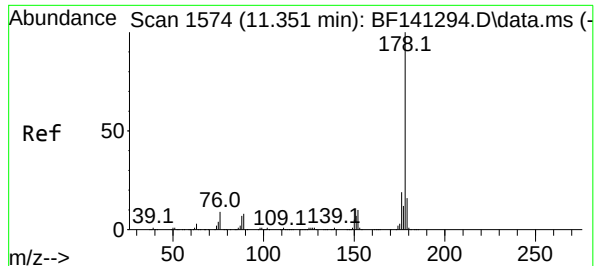
Ion Ratio Lower Upper

266 100

268 64.1 49.9 74.9

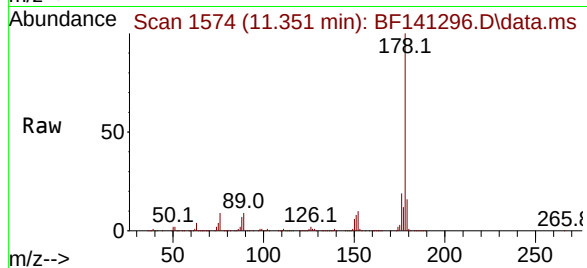
264 63.9 51.0 76.4





#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

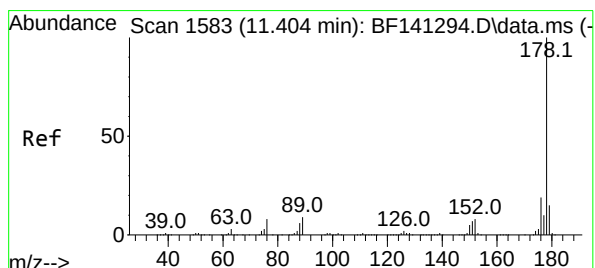
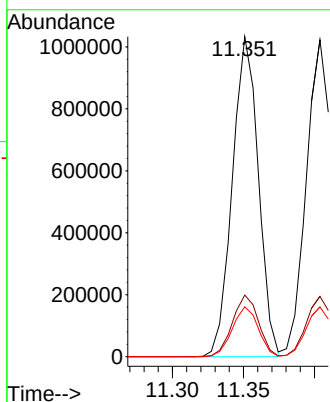
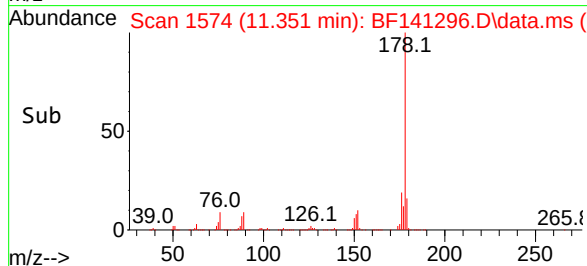
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1316980
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.5 18.7

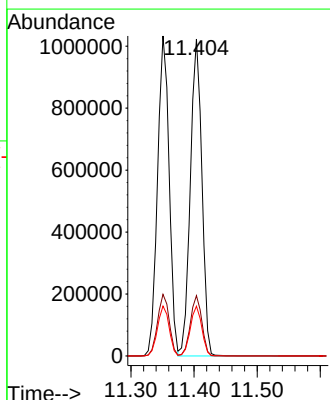
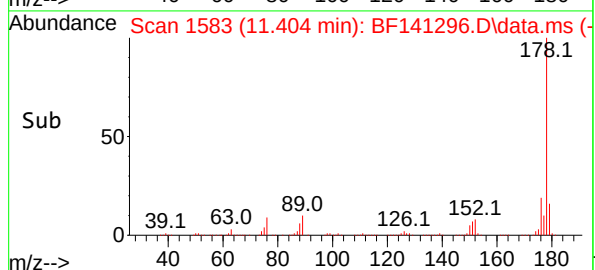
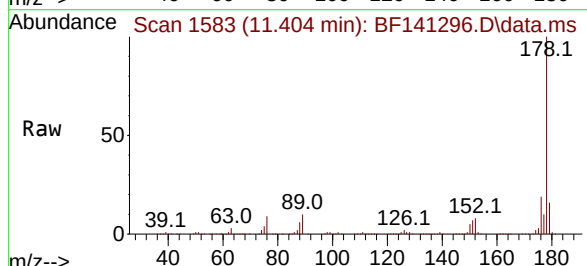
Manual Integrations
APPROVED

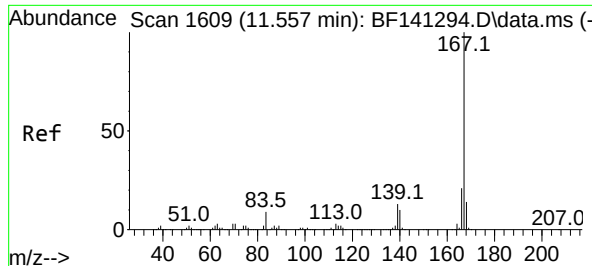
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 1298334
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.7 12.3 18.5





#73

Carbazole

Concen: 55.874 ng

RT: 11.557 min Scan# 1609

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:167 Resp: 1173330

Ion Ratio Lower Upper

167 100

166 21.7 17.0 25.6

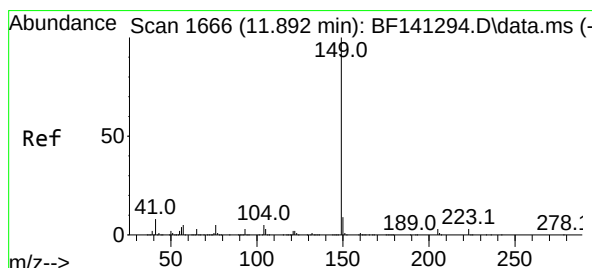
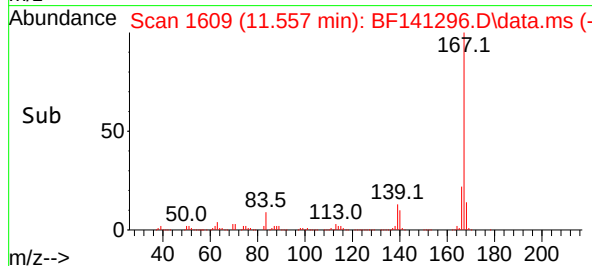
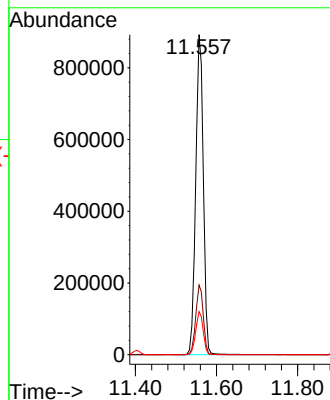
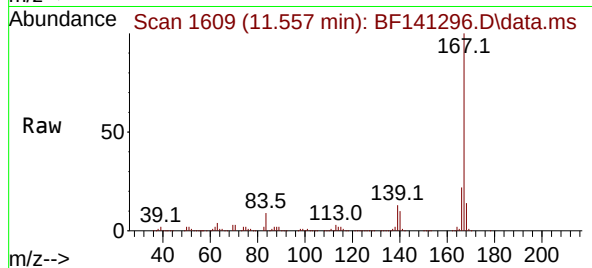
139 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#74

Di-n-butylphthalate

Concen: 55.325 ng

RT: 11.892 min Scan# 1666

Delta R.T. -0.000 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

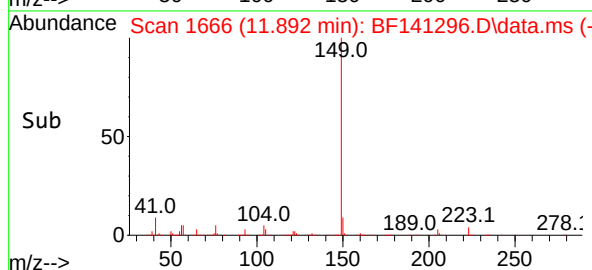
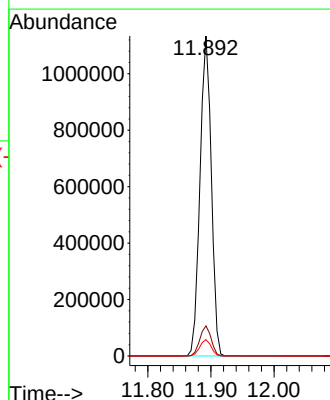
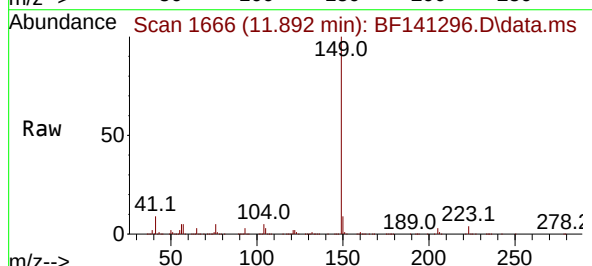
Tgt Ion:149 Resp: 1410222

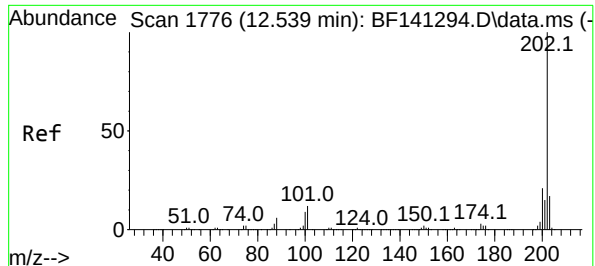
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

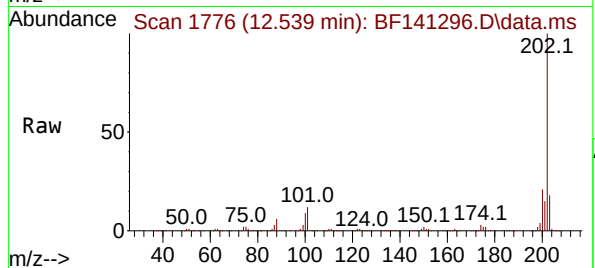
104 5.1 3.9 5.9





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

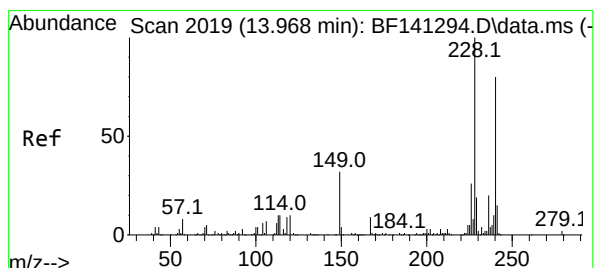
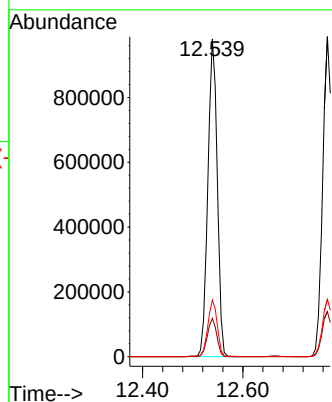
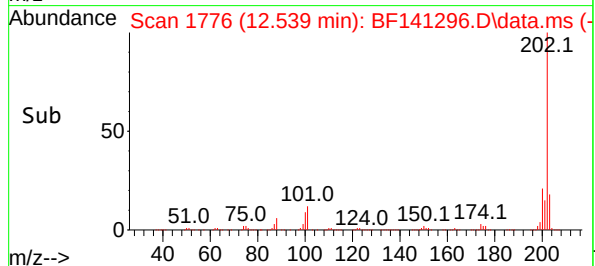
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:202 Resp: 1279999
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.5

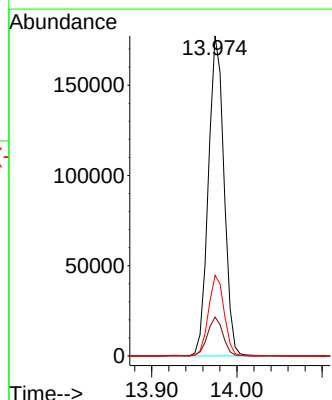
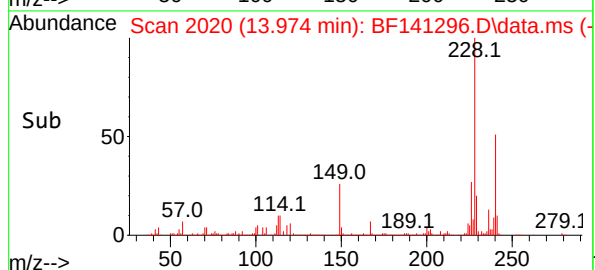
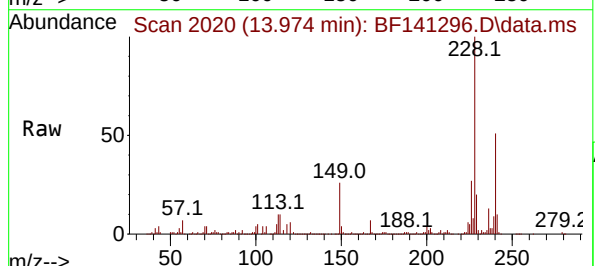
Manual Integrations
APPROVED

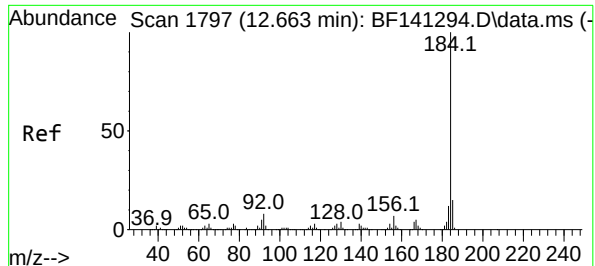
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

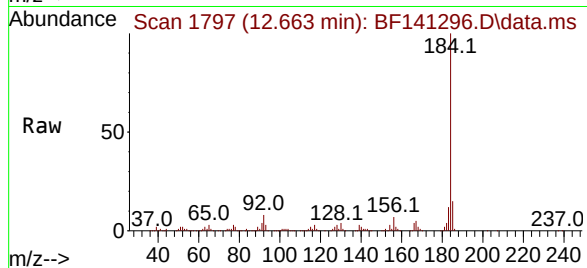
Tgt Ion:240 Resp: 225615
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.2 19.7 29.5





#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

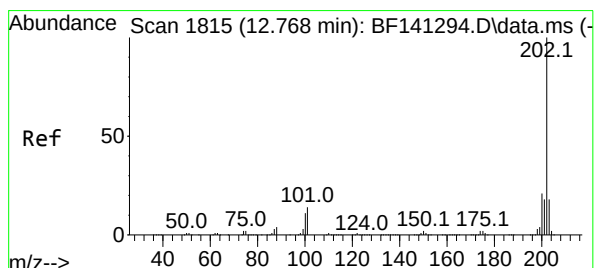
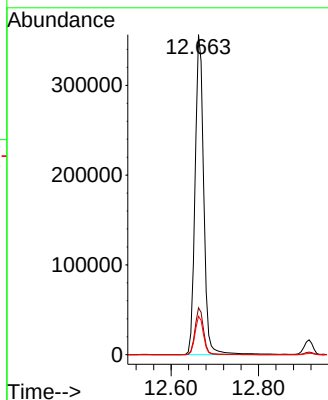
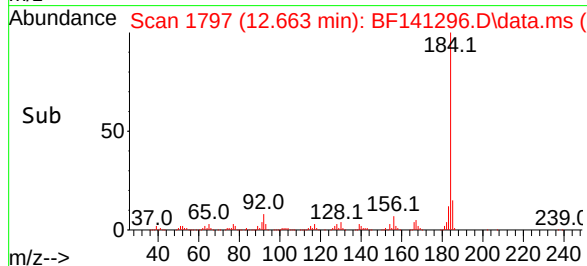
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



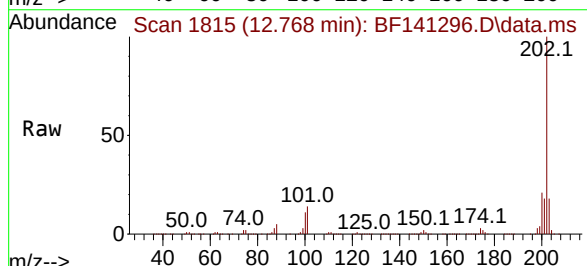
Tgt Ion:184 Resp: 490009
Ion Ratio Lower Upper
184 100
185 14.7 11.9 17.9
183 12.0 9.5 14.3

Manual Integrations
APPROVED

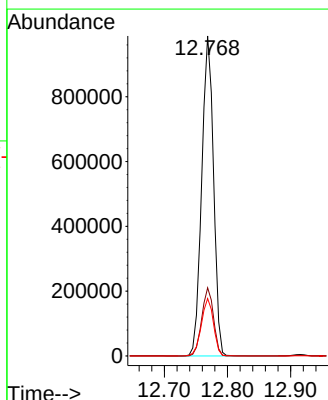
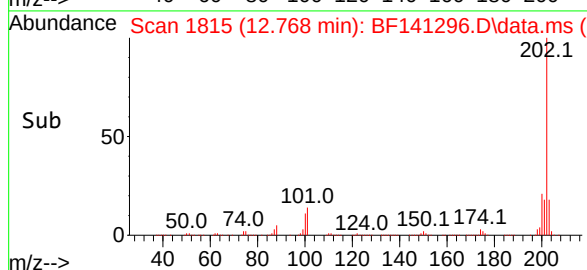
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

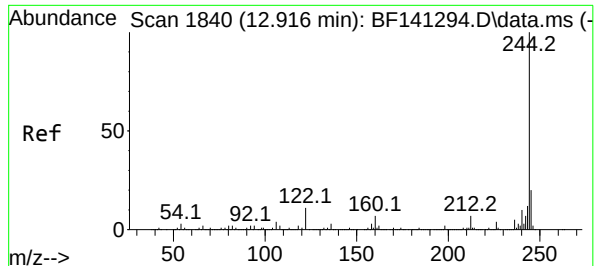


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



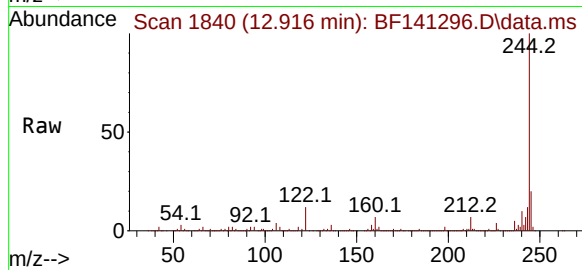
Tgt Ion:202 Resp: 1284820
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

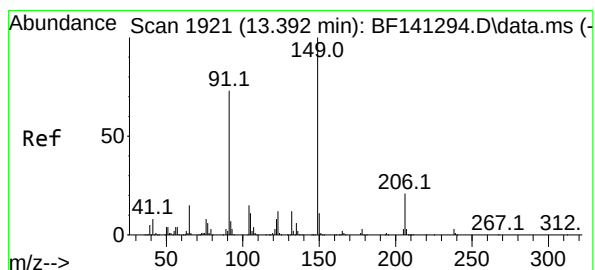
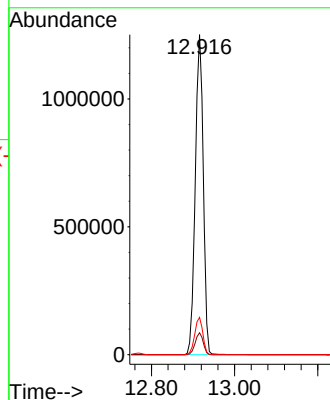
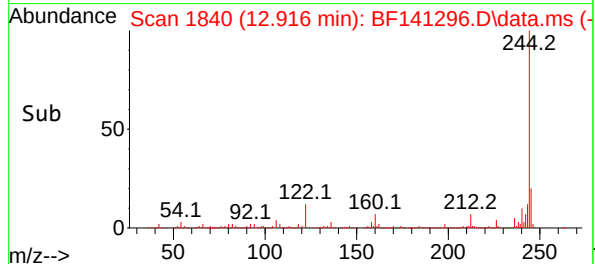
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 166559
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.6 8.8 13.2

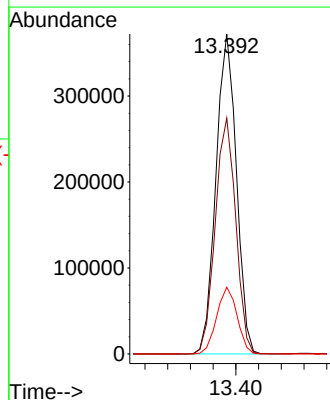
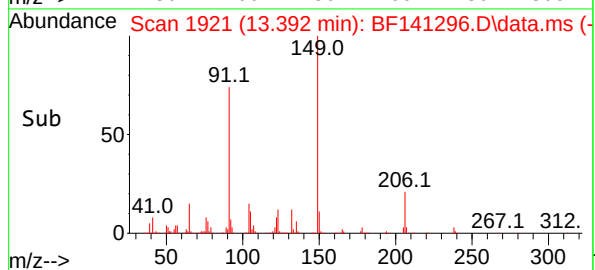
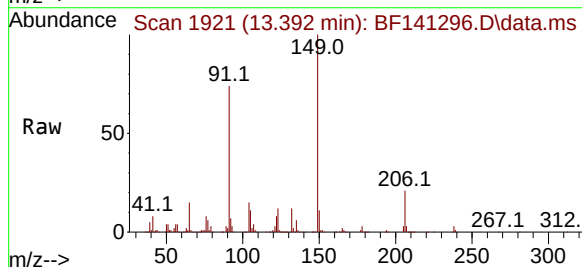
Manual Integrations
APPROVED

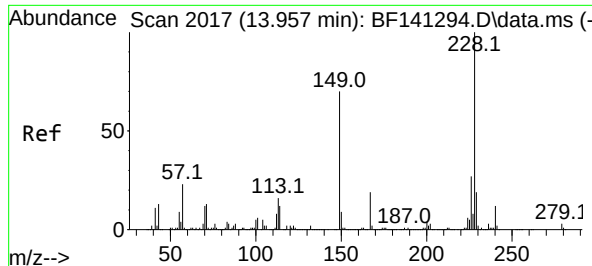
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

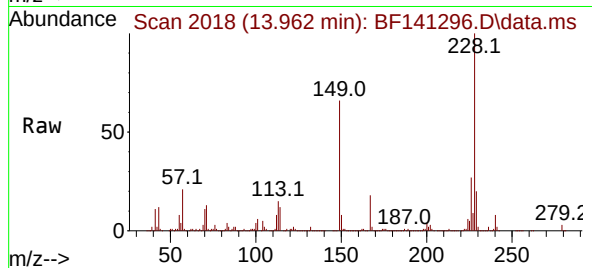
Tgt Ion:149 Resp: 465533
Ion Ratio Lower Upper
149 100
91 73.7 58.6 87.8
206 20.8 16.7 25.1





#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

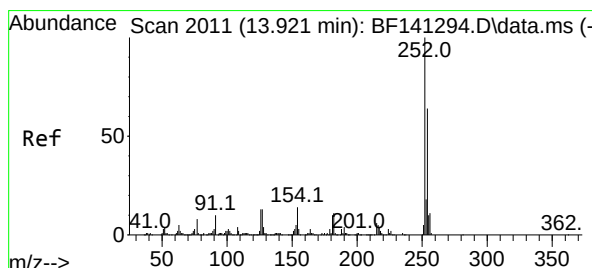
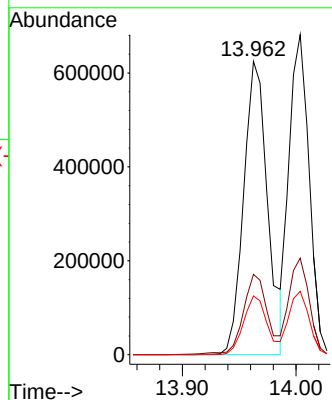
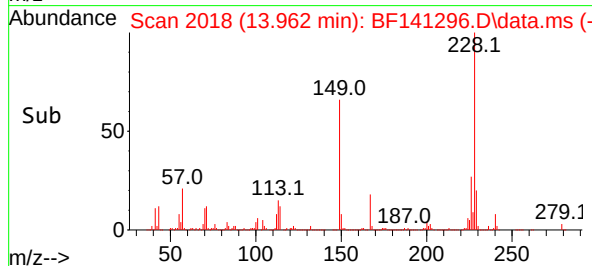
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 917219
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.0 15.5 23.3

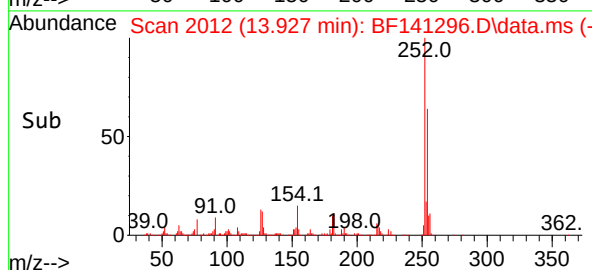
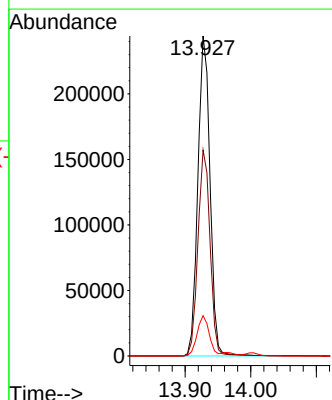
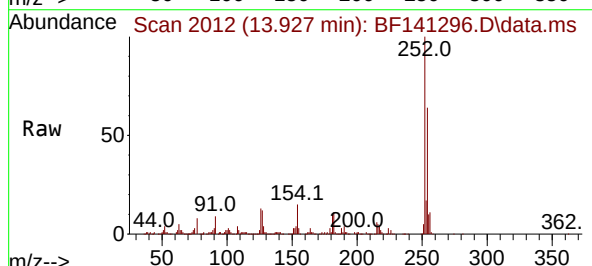
Manual Integrations
APPROVED

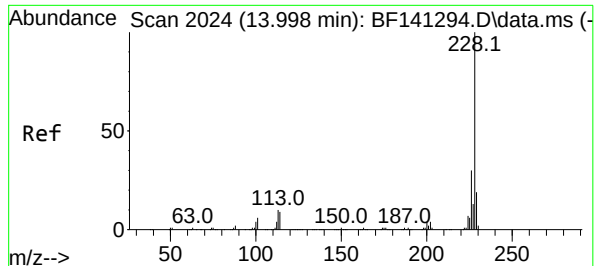
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

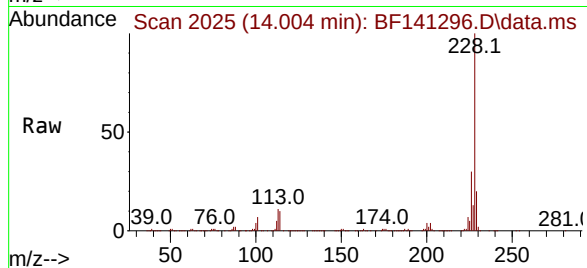
Tgt Ion:252 Resp: 315503
Ion Ratio Lower Upper
252 100
254 64.4 51.3 76.9
126 12.6 10.0 15.0





#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

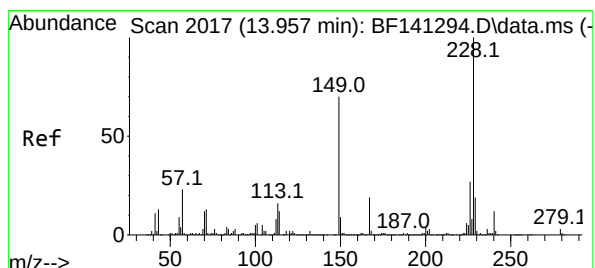
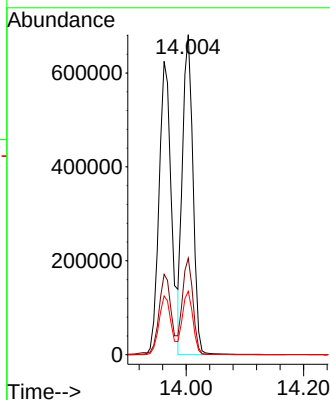
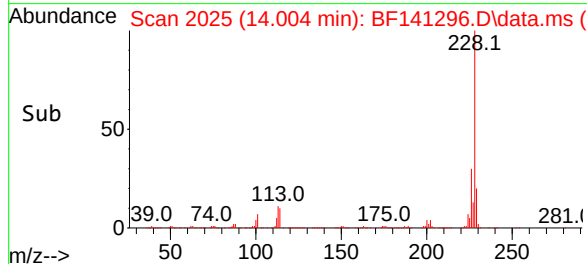
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 841120
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 19.8 15.6 23.4

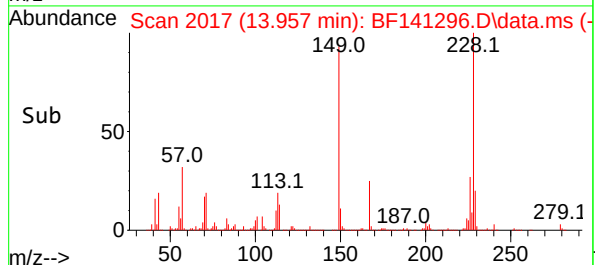
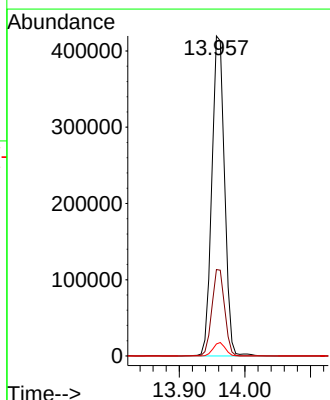
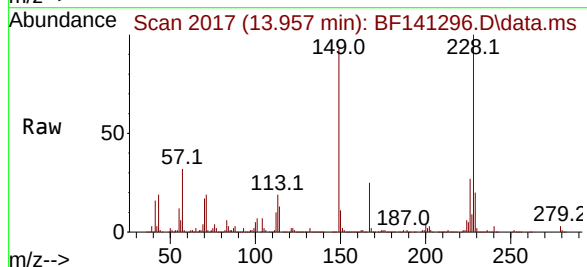
Manual Integrations
APPROVED

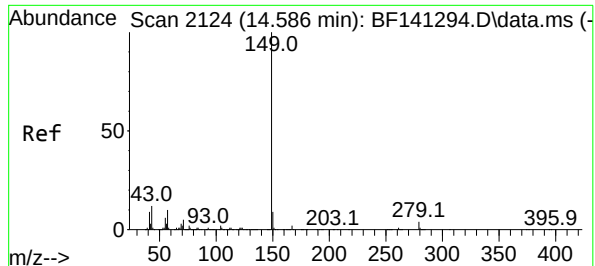
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

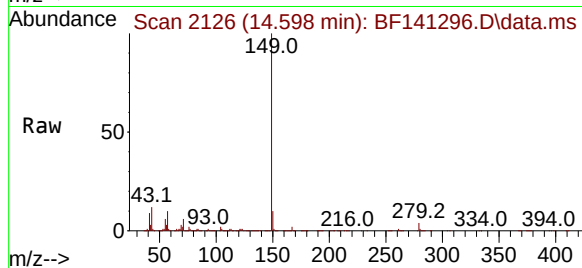
Tgt Ion:149 Resp: 564642
Ion Ratio Lower Upper
149 100
167 27.0 21.8 32.8
279 3.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 2124
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

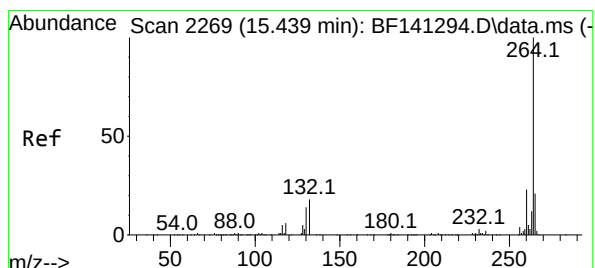
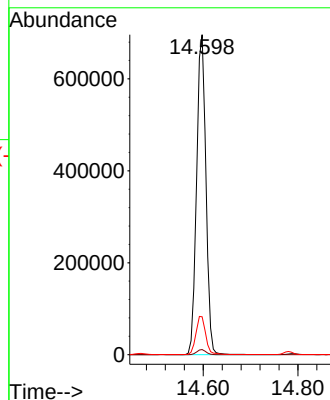
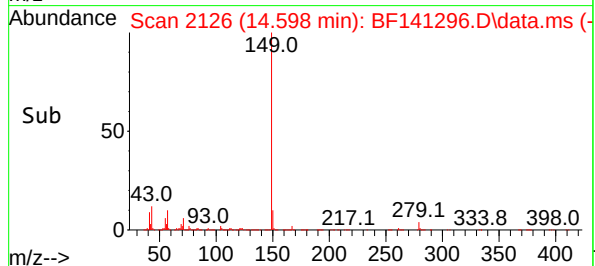
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



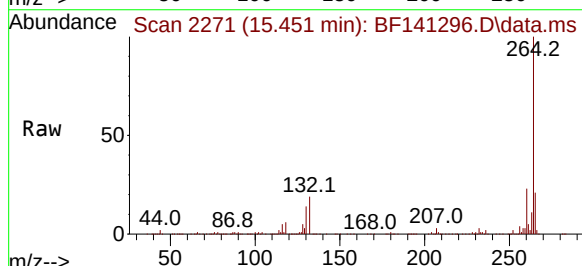
Tgt Ion:149 Resp: 95147
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.6 9.8 14.8

Manual Integrations
APPROVED

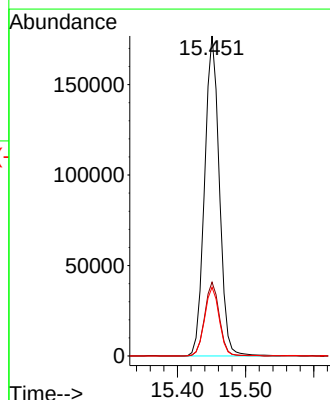
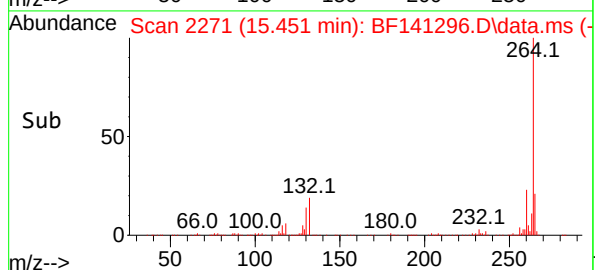
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

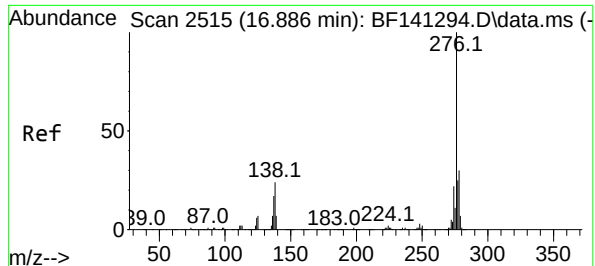


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38



Tgt Ion:264 Resp: 265921
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.732 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:276 Resp: 105498

Ion Ratio Lower Upper

276 100

138 27.6 21.7 32.5

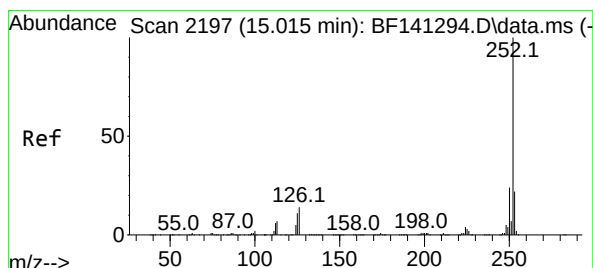
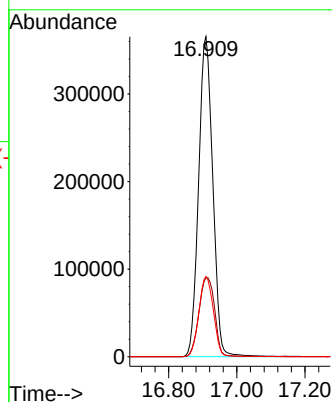
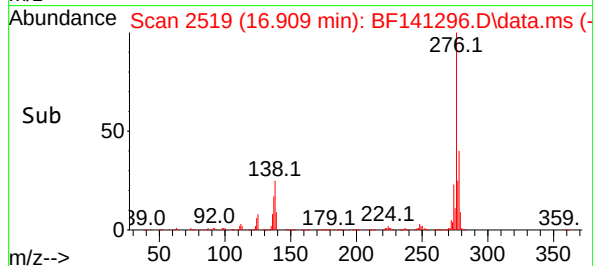
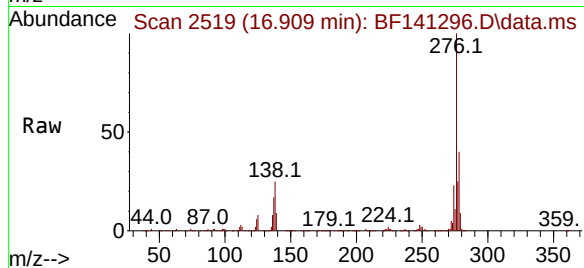
277 25.8 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 56.615 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

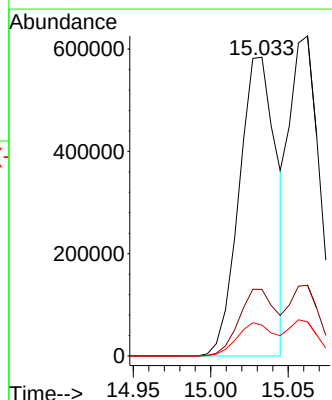
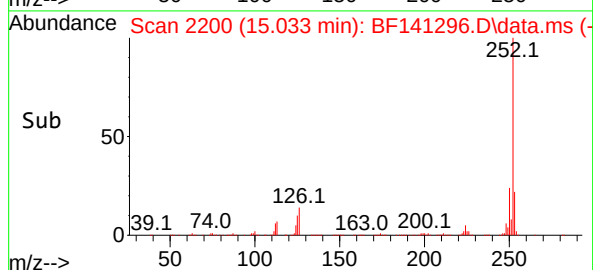
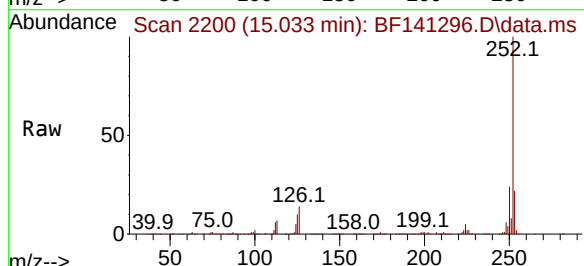
Tgt Ion:252 Resp: 971433

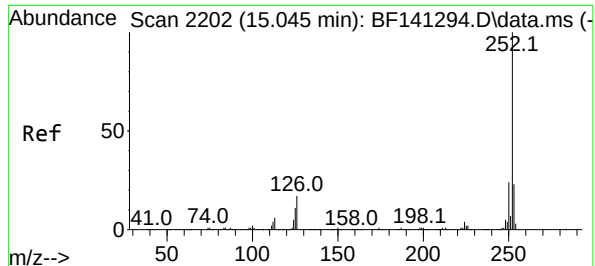
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.3 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 55.934 ng

RT: 15.062 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 84584

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

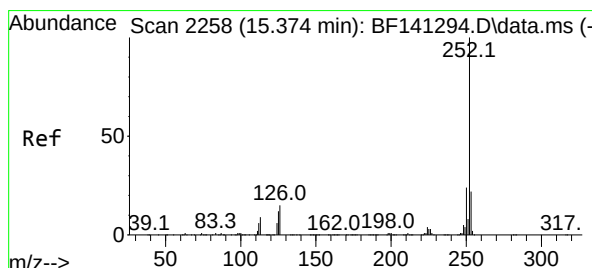
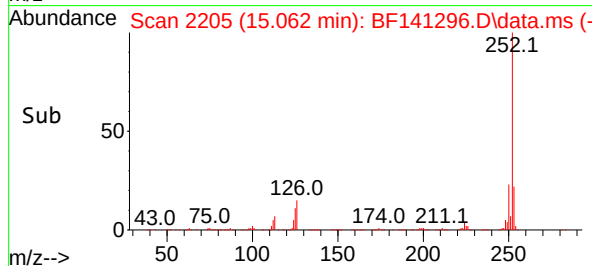
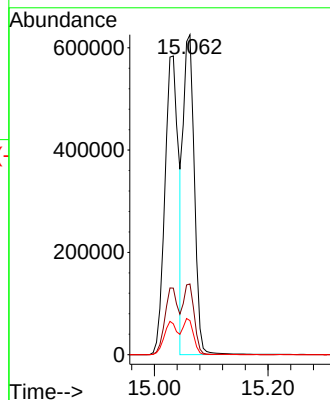
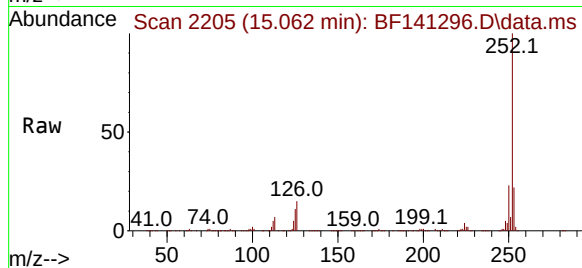
125 10.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 58.588 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.012 min

Lab File: BF141296.D

Acq: 29 Jan 2025 16:38

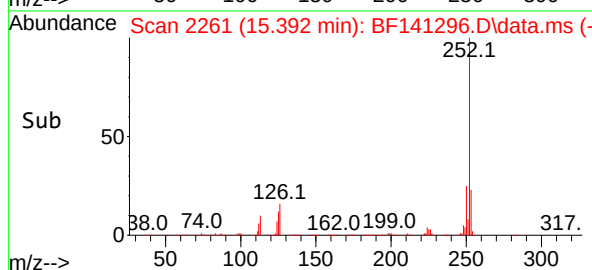
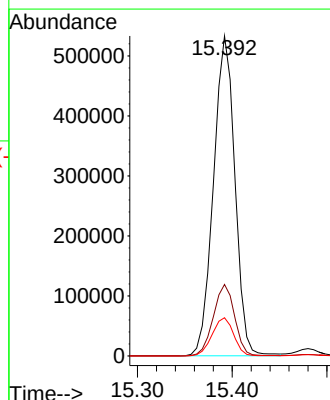
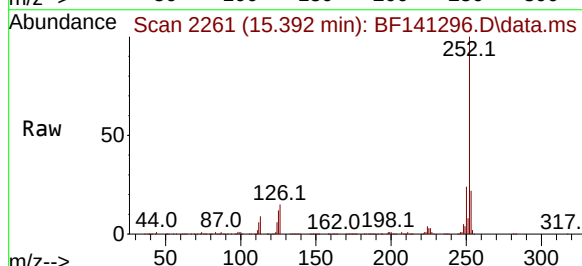
Tgt Ion:252 Resp: 838283

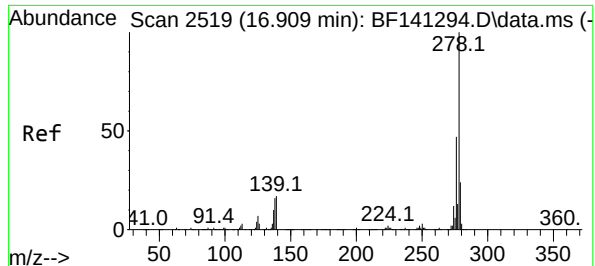
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

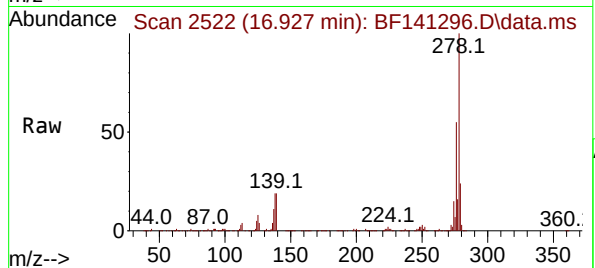
125 12.0 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2519
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

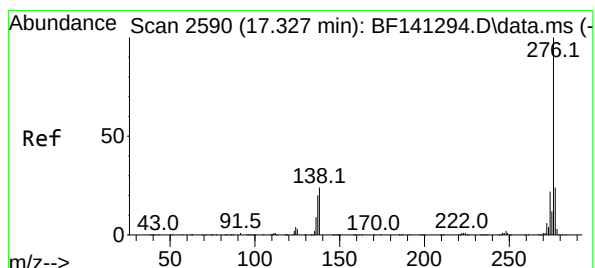
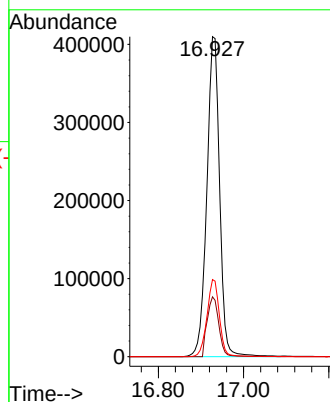
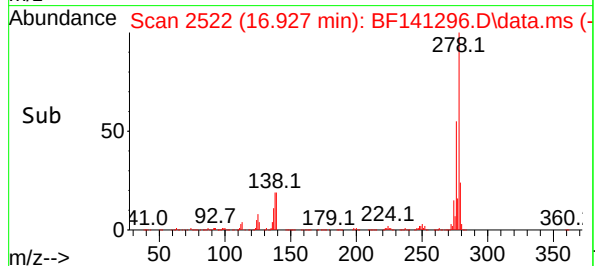
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:278 Resp: 854214
Ion Ratio Lower Upper
278 100
139 18.7 13.9 20.9
279 24.1 18.8 28.2

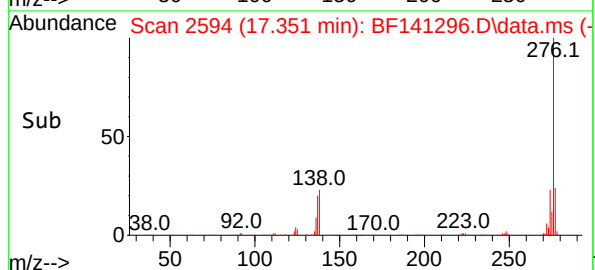
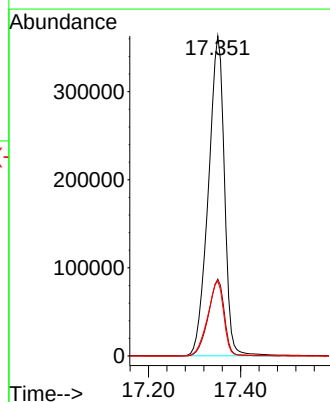
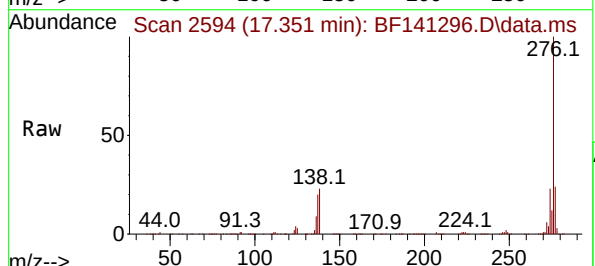
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 61.510 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 881804
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Jan 29 17:32:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng	0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng	0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng	0.00
86) Perylene-d12	15.439	264	271797	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng	0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng	0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng	0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng	0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng	100
3) Pyridine	3.228	79	684346	76.095	ng	99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng	99
6) Aniline	6.469	93	607667	65.185	ng	# 86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng	97
9) Benzaldehyde	6.351	77	376227	58.226	ng	100
10) Phenol	6.451	94	804078	69.411	ng	90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng	98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng	99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng	99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng	99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng	98
17) 2-Methylphenol	7.057	107	545097	73.368	ng	97
18) Hexachloroethane	7.316	117	265593	70.765	ng	97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng	97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng	96
22) Acetophenone	7.216	105	824220	67.811	ng	# 96
24) Nitrobenzene	7.393	77	716200	71.762	ng	99
25) Isophorone	7.628	82	1229697	74.193	ng	99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng	98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng	99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng	99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng	100
31) Naphthalene	8.110	128	1838789	68.107	ng	99
32) Benzoic acid	7.881	122	484583	91.066	ng	99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng	99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng	99
35) Caprolactam	8.545	113	177093	74.270	ng	99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng	98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng	98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng	100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141297.D
 Acq On : 29 Jan 2025 17:05
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

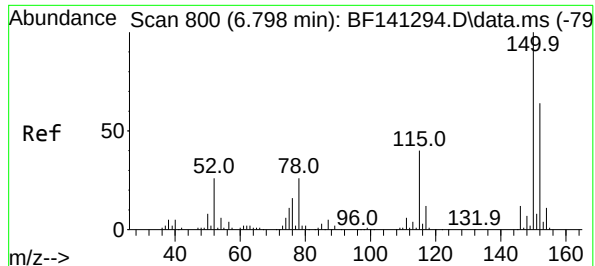
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:26:12 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

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

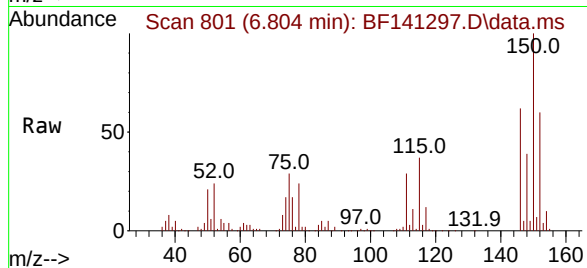
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BNA_F
ClientSampleId :
SSTDICC080

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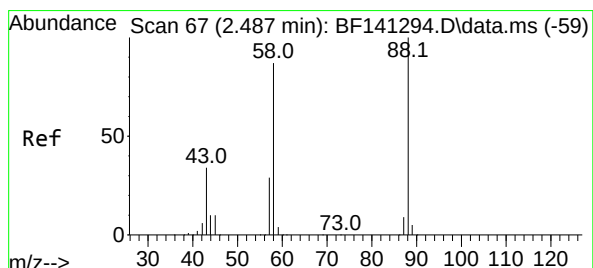
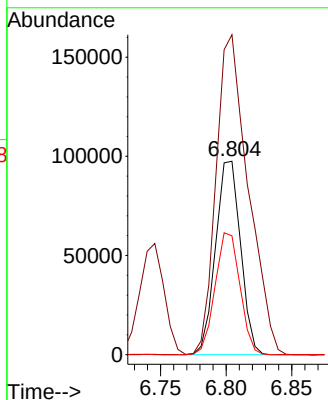
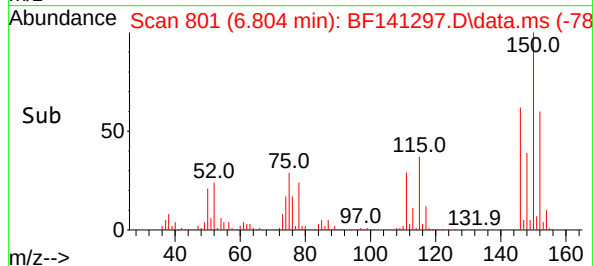


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

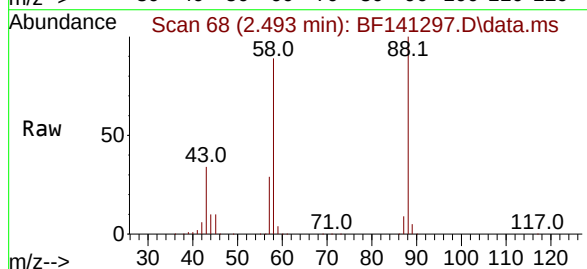
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BNA_F
ClientSampleId :
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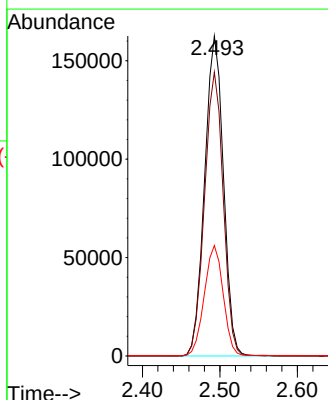
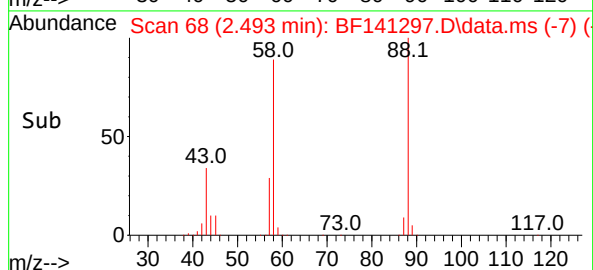
Tgt Ion:152 Resp: 129386
Ion Ratio Lower Upper
152 100
150 165.5 125.9 188.9
115 61.4 49.7 74.5

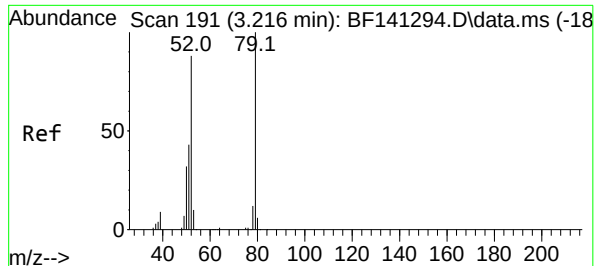


#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05



Tgt Ion: 88 Resp: 274366
Ion Ratio Lower Upper
88 100
58 88.2 70.2 105.4
43 34.3 27.6 41.4

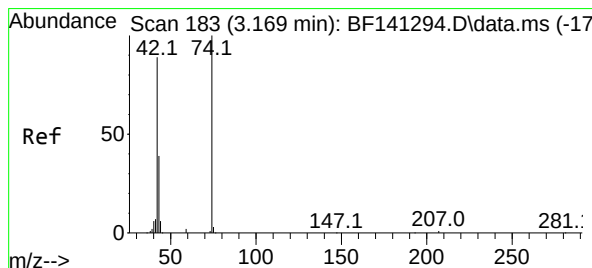
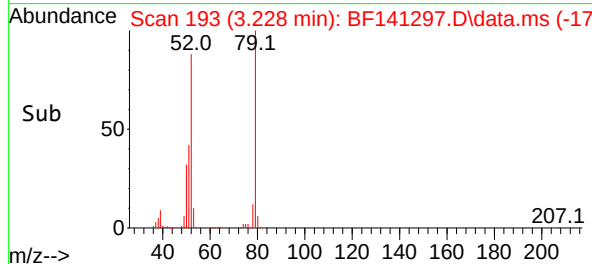
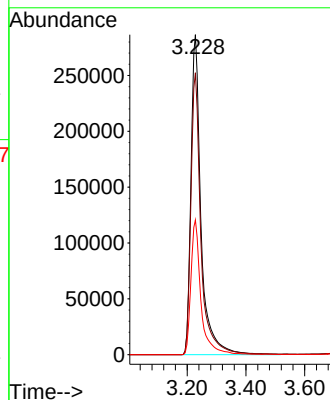
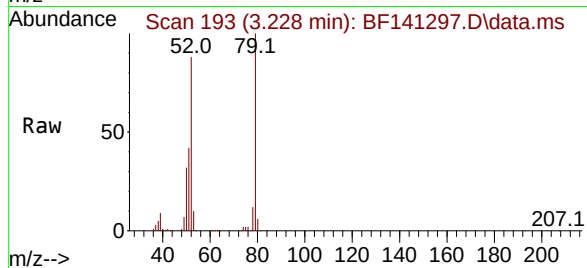




#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 191
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

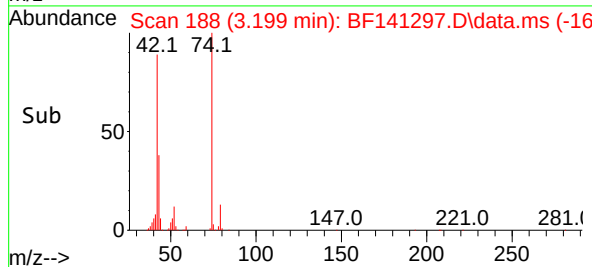
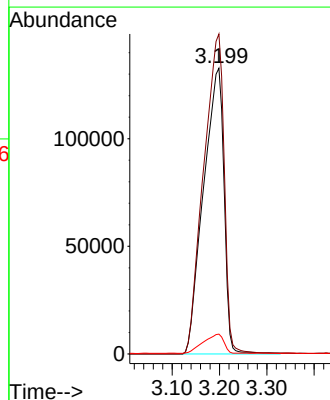
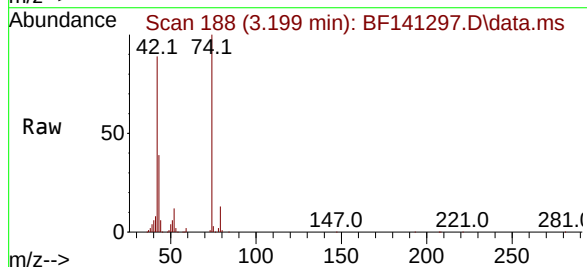
Instrument :
BNA_F
ClientSampleId :
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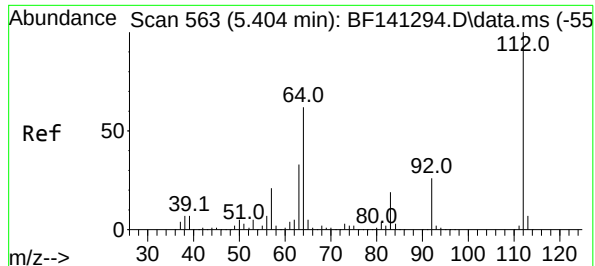
Tgt Ion: 79 Resp: 684346
Ion Ratio Lower Upper
79 100
52 88.1 70.3 105.5
51 42.1 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245
Ion Ratio Lower Upper
42 100
74 112.0 90.3 135.5
44 6.9 5.7 8.5

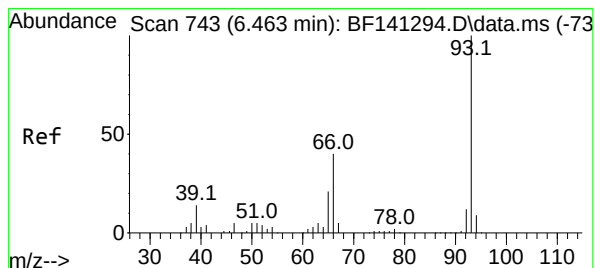
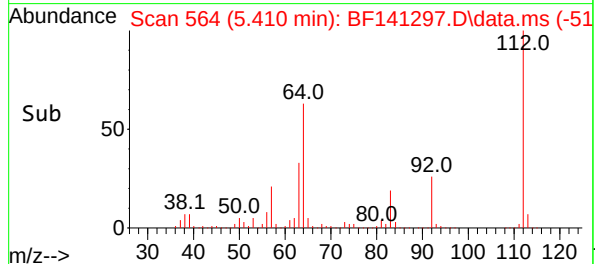
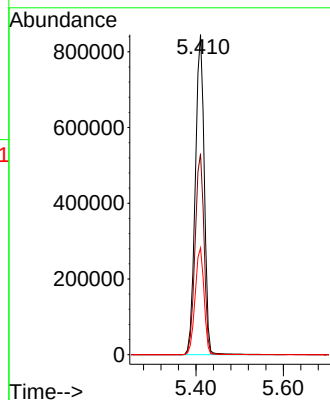
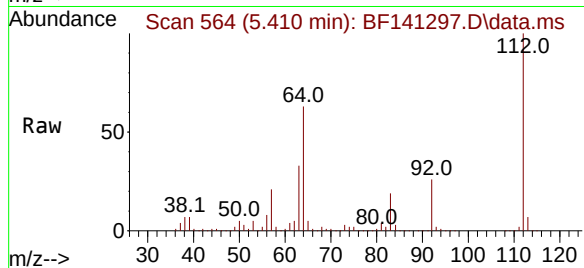




#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

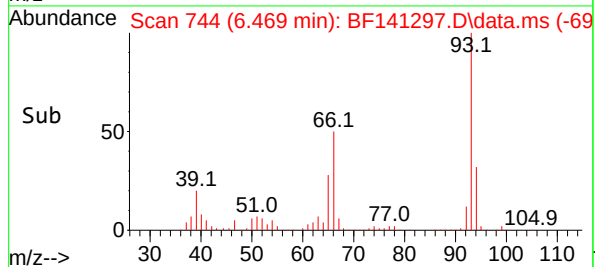
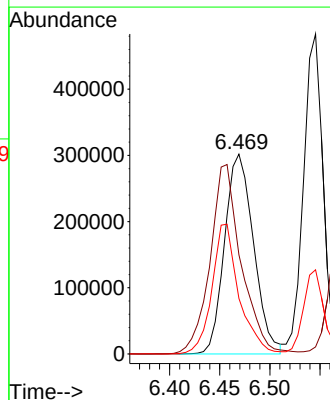
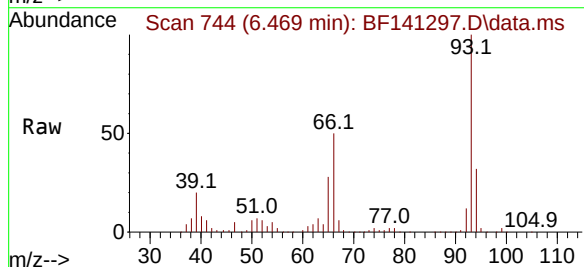
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BNA_F
ClientSampleId :
SSTDICC080

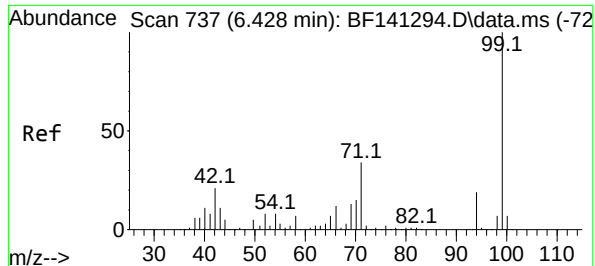
Tgt Ion:112 Resp: 1203835
Ion Ratio Lower Upper
112 100
64 62.8 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667
Ion Ratio Lower Upper
93 100
66 49.7 32.5 48.7#
65 27.8 17.0 25.6#





#7

Phenol-d6

Concen: 139.796 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

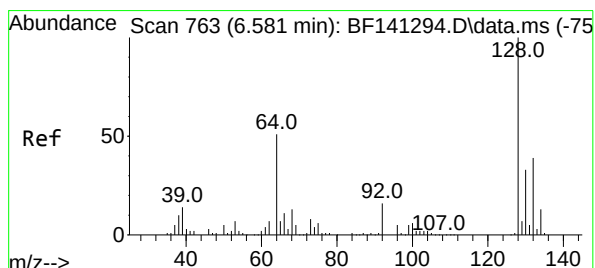
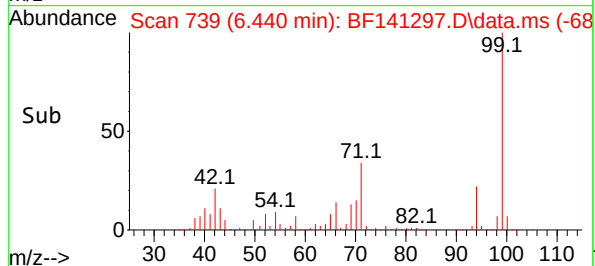
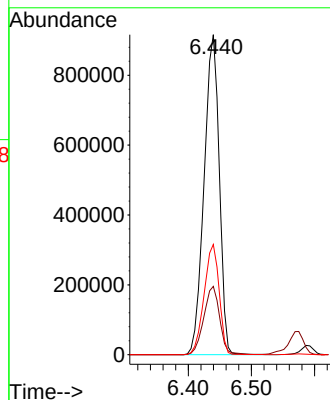
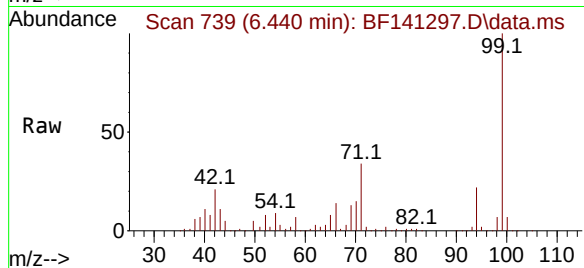
Tgt Ion: 99 Resp: 1526343

Ion Ratio Lower Upper

99 100

42 21.4 17.1 25.7

71 34.4 26.9 40.3



#8

2-Chlorophenol

Concen: 69.519 ng

RT: 6.593 min Scan# 765

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

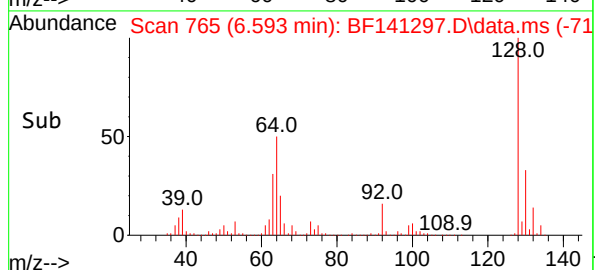
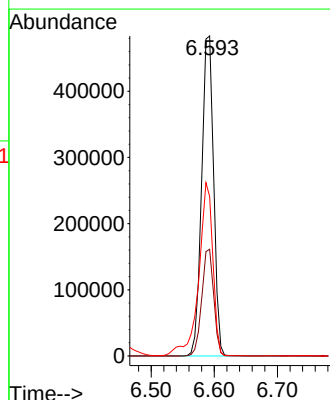
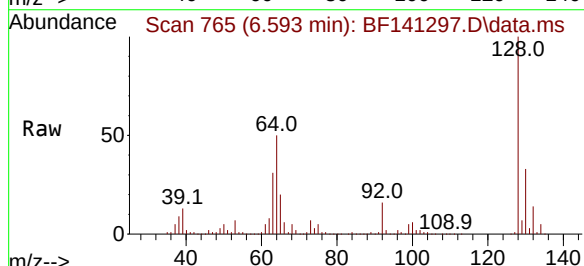
Tgt Ion:128 Resp: 639957

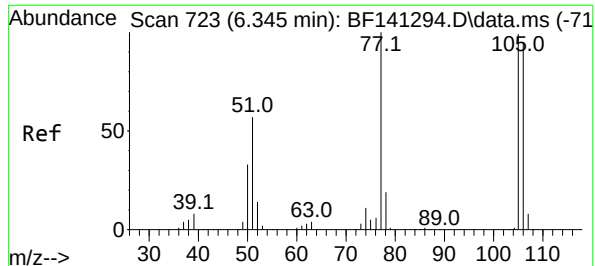
Ion Ratio Lower Upper

128 100

130 33.4 12.5 52.5

64 49.8 32.9 72.9





#9

Benzaldehyde

Concen: 58.226 ng

RT: 6.351 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

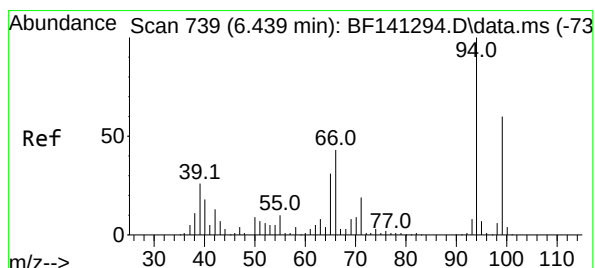
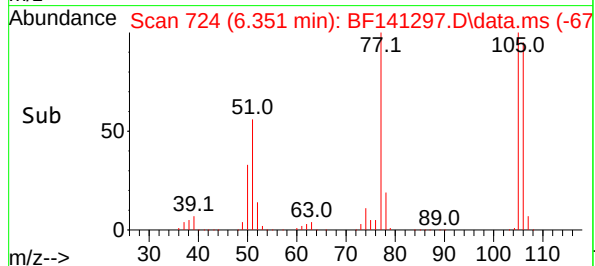
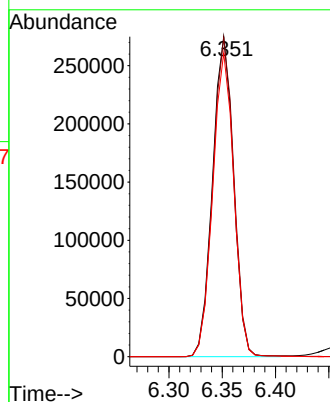
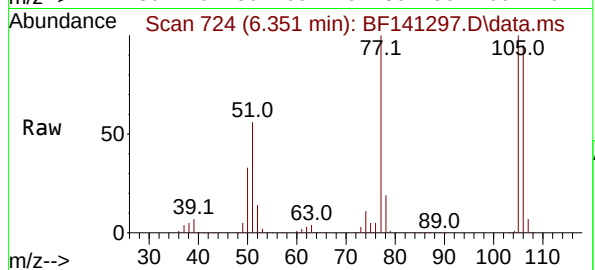
Tgt Ion: 77 Resp: 376227

Ion Ratio Lower Upper

77 100

105 99.7 79.4 119.4

106 94.9 74.6 114.6



#10

Phenol

Concen: 69.411 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

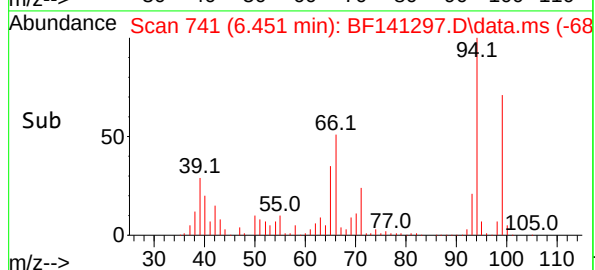
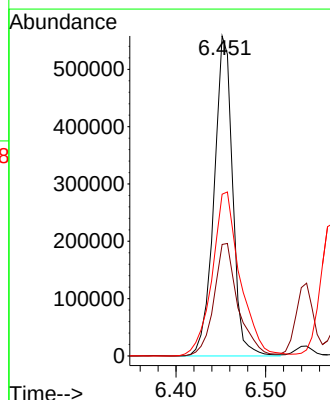
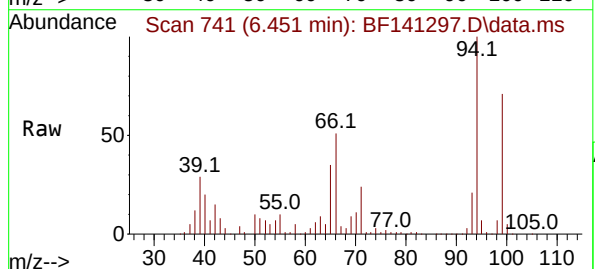
Tgt Ion: 94 Resp: 804078

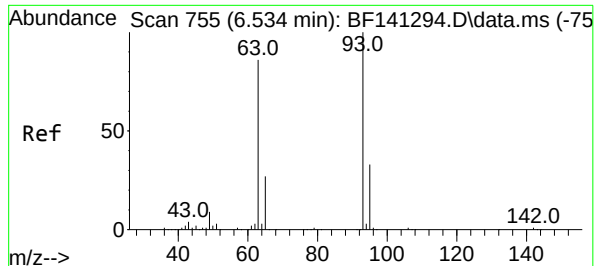
Ion Ratio Lower Upper

94 100

65 34.9 10.8 50.8

66 50.6 23.3 63.3

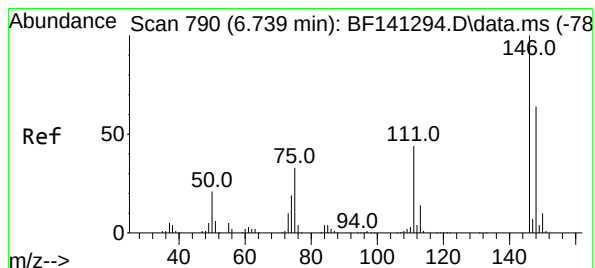
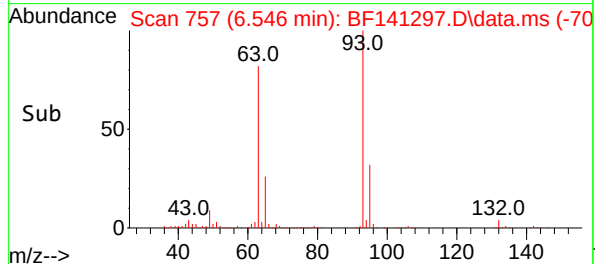
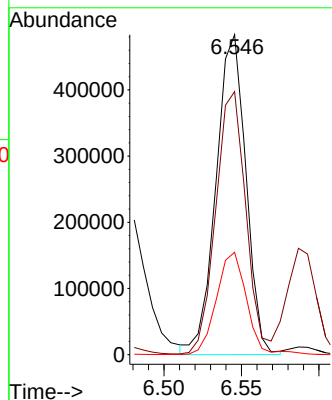
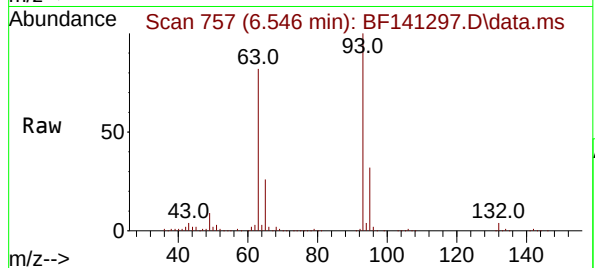




#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 701
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

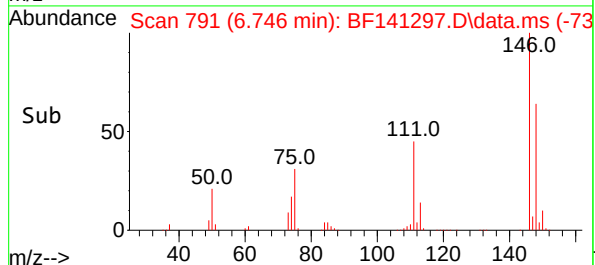
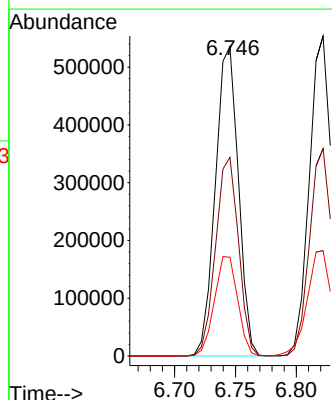
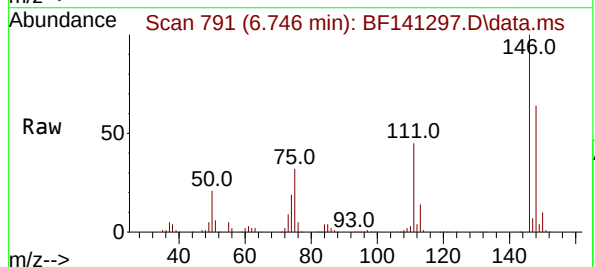
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

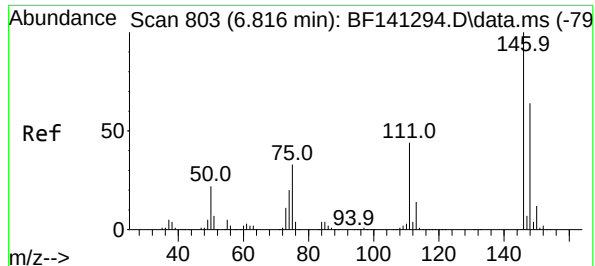
Tgt Ion: 93 Resp: 648287
Ion Ratio Lower Upper
93 100
63 82.2 65.0 105.0
95 32.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 146 Resp: 704973
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 31.9 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 69.256 ng

RT: 6.822 min Scan# 80

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

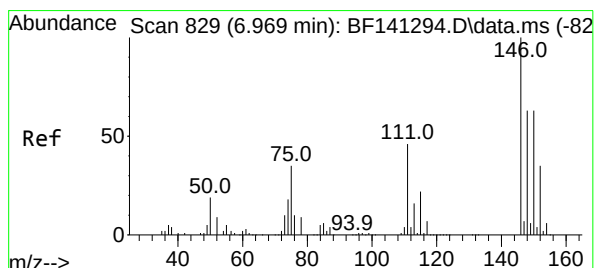
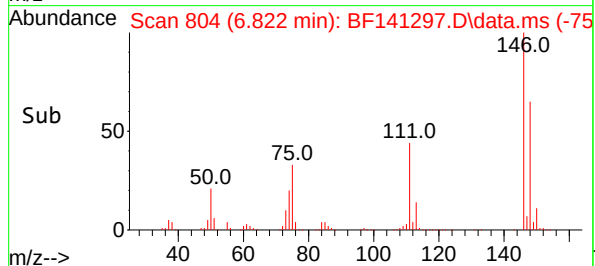
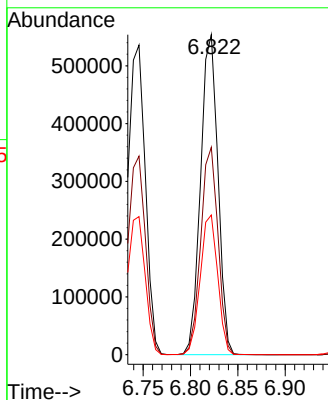
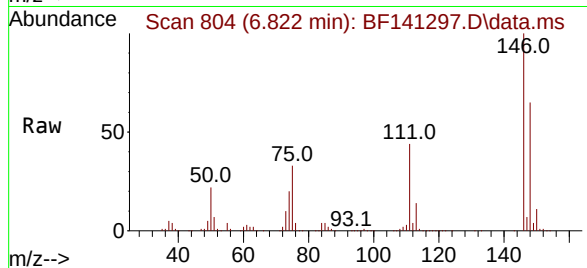
Tgt Ion:146 Resp: 706528

Ion Ratio Lower Upper

146 100

148 64.8 51.2 76.8

111 43.6 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 66.867 ng

RT: 6.975 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

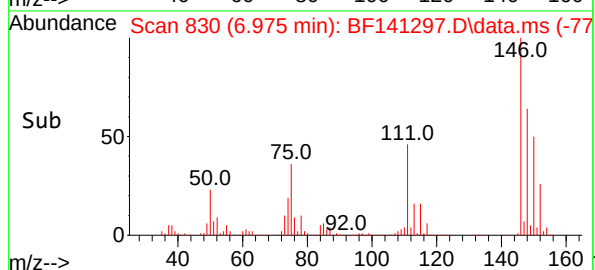
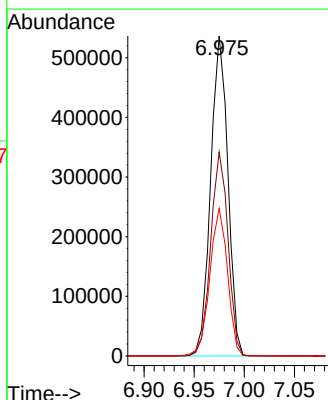
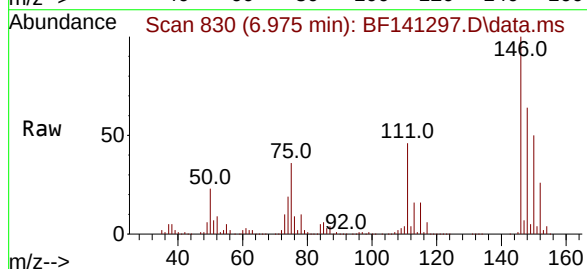
Tgt Ion:146 Resp: 641551

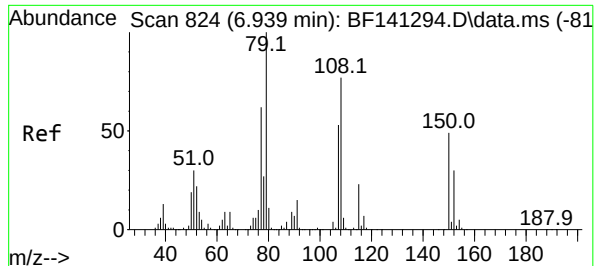
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

111 46.1 36.6 55.0

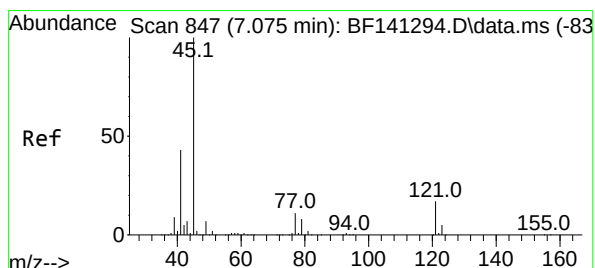
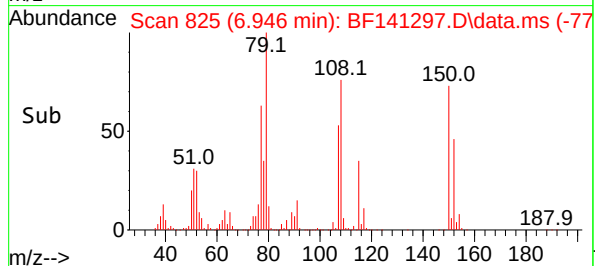
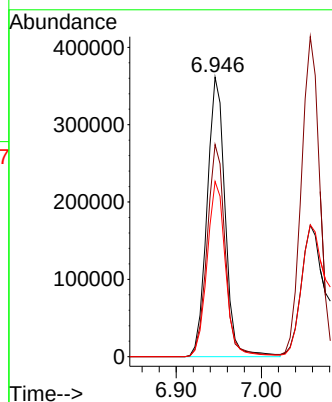
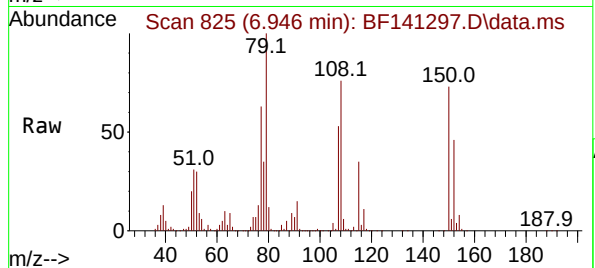




#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

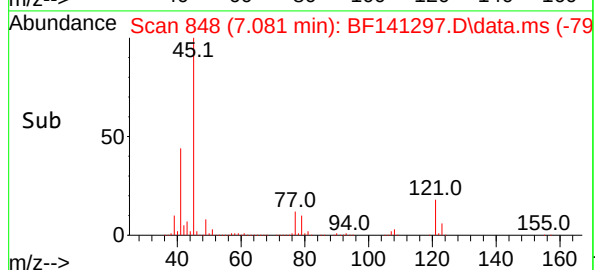
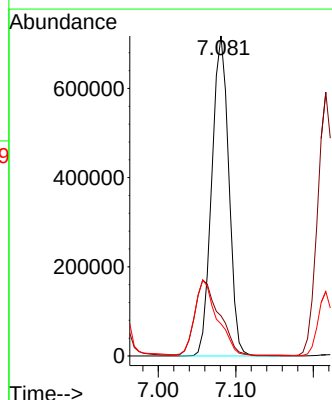
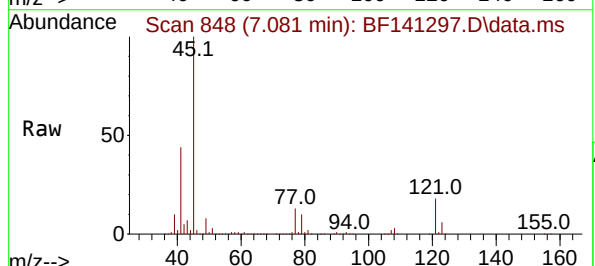
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

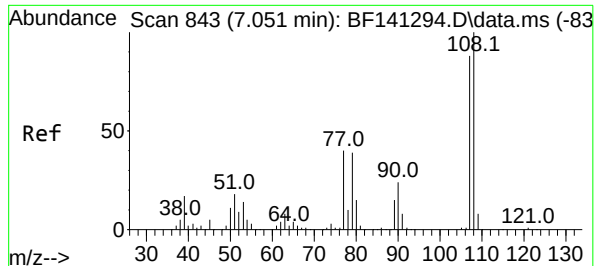
Tgt Ion: 79 Resp: 532270
Ion Ratio Lower Upper
79 100
108 75.9 61.4 92.0
77 62.7 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.8
79 10.0 0.0 29.1

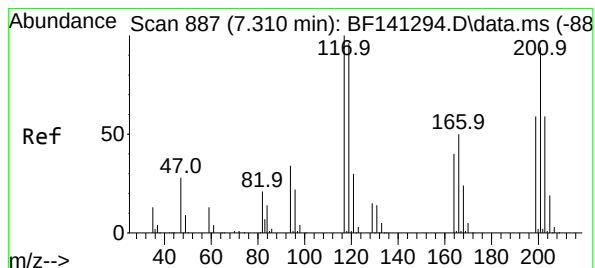
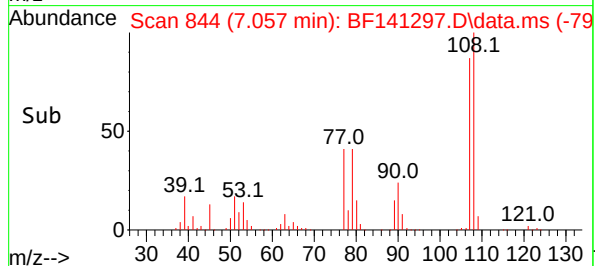
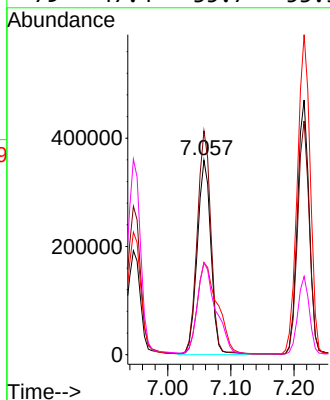
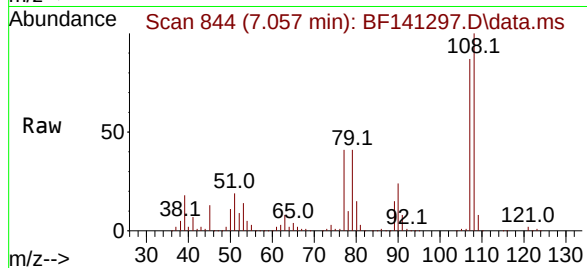




#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

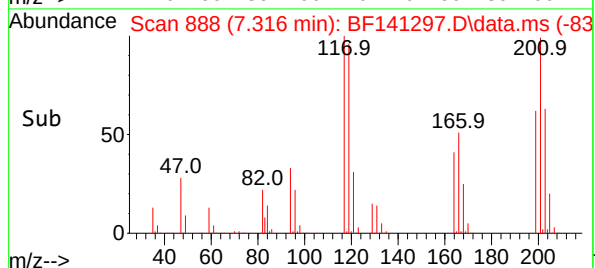
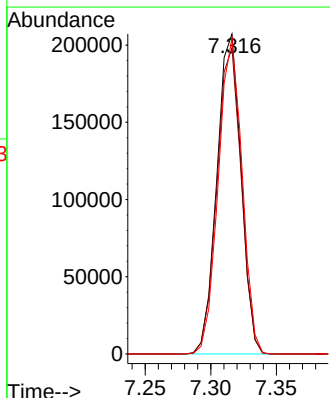
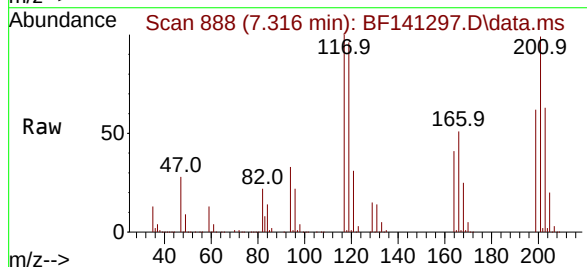
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

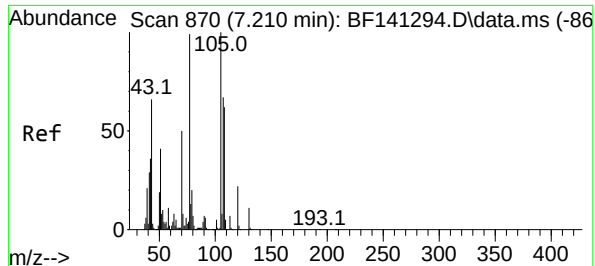
Tgt Ion:107 Resp: 545097
Ion Ratio Lower Upper
107 100
108 115.2 90.8 136.2
77 47.5 36.2 54.4
79 47.4 35.7 53.5



#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
201 98.6 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 69.874 ng

RT: 7.228 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF141297.D

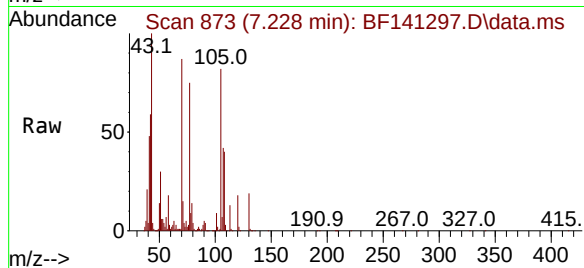
Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

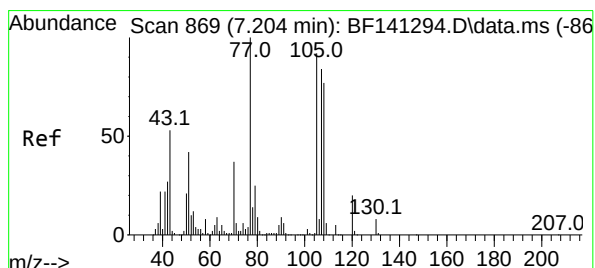
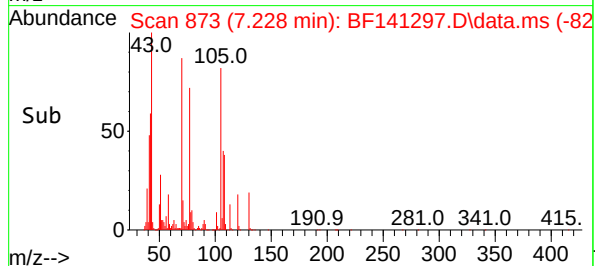
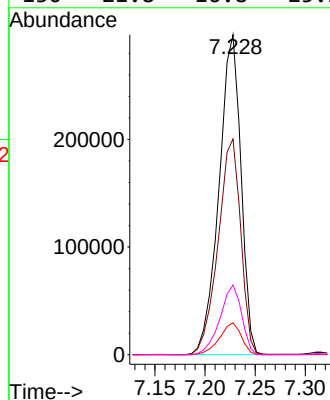
ClientSampleId :

SSTDICC080



Tgt Ion: 70 Resp: 452303

Ion	Ratio	Lower	Upper
70	100		
42	67.4	56.8	85.2
101	9.9	7.7	11.5
130	21.8	16.8	25.2



#20

3+4-Methylphenols

Concen: 66.467 ng

RT: 7.216 min Scan# 871

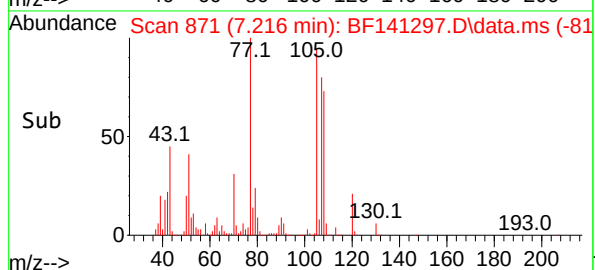
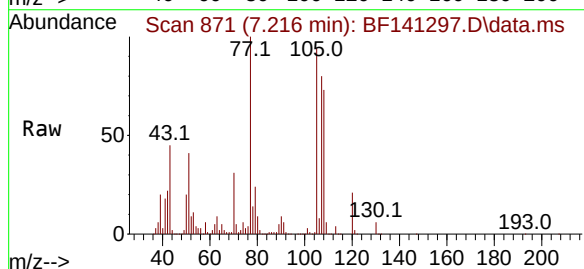
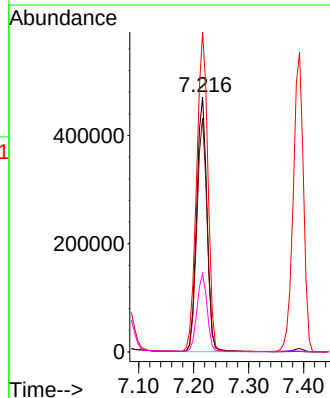
Delta R.T. 0.006 min

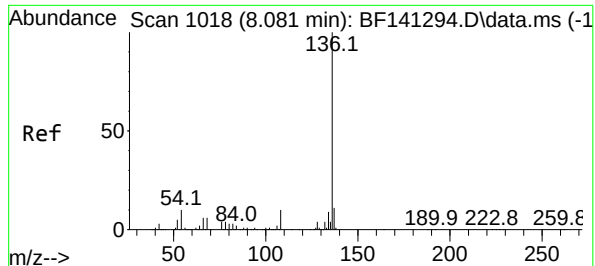
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 107 Resp: 613997

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.9	110.9
77	125.6	98.5	138.5
79	30.7	9.5	49.5

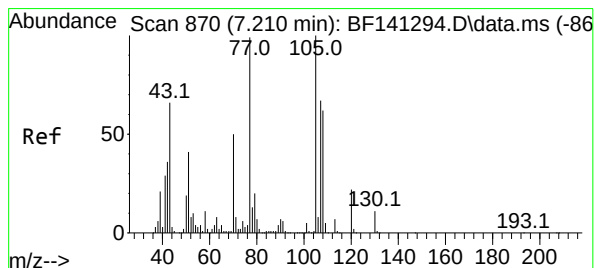
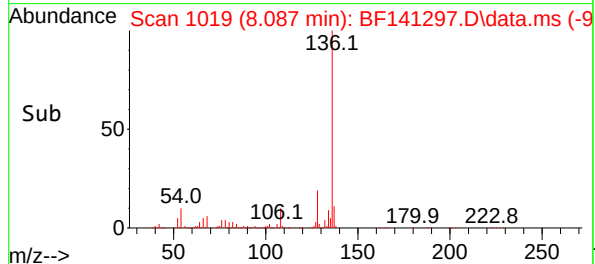
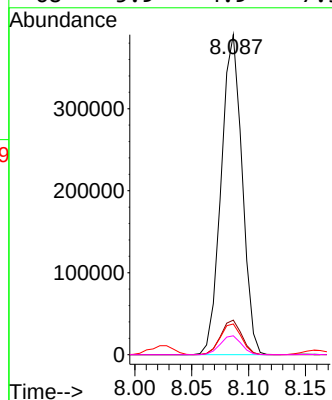
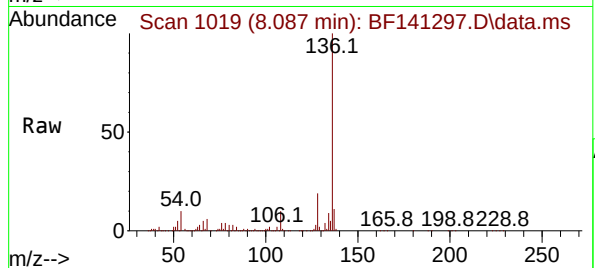




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

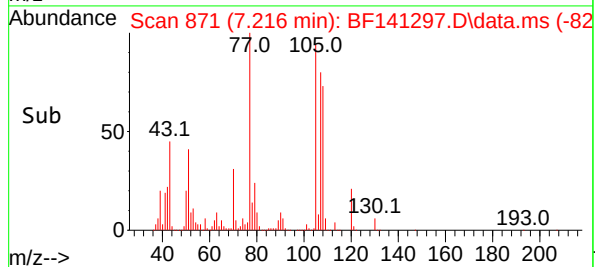
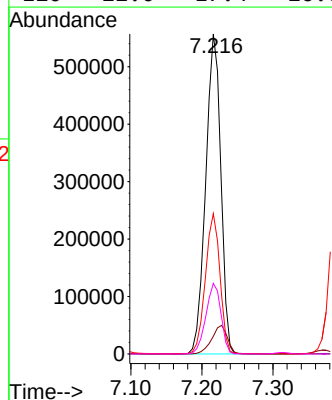
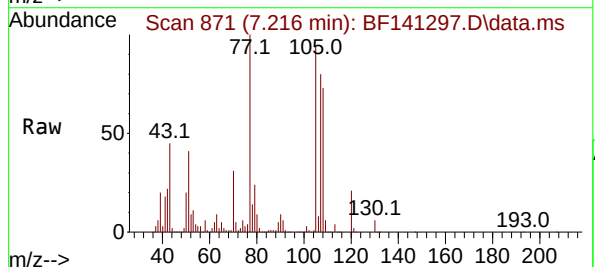
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

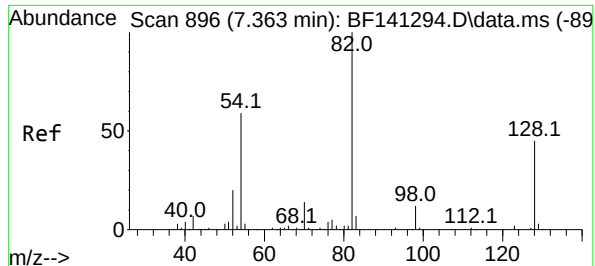
Tgt Ion:136 Resp: 500219
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.6 7.8 11.8
68 5.9 4.9 7.3



#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220
Ion Ratio Lower Upper
105 100
71 5.5 6.8 10.2#
51 43.9 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 145.214 ng

RT: 7.369 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

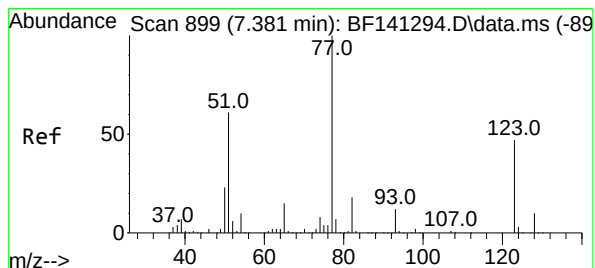
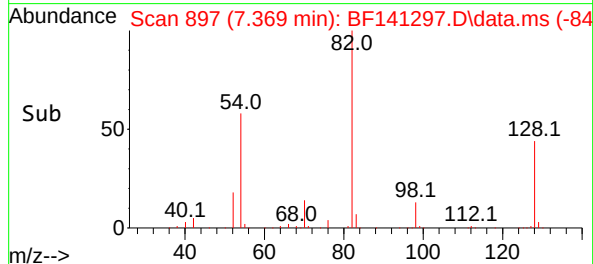
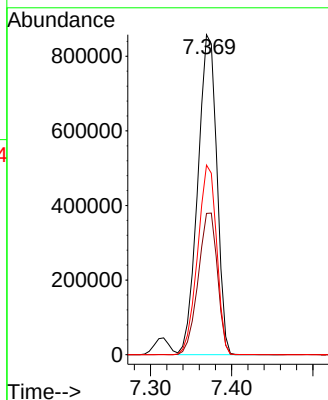
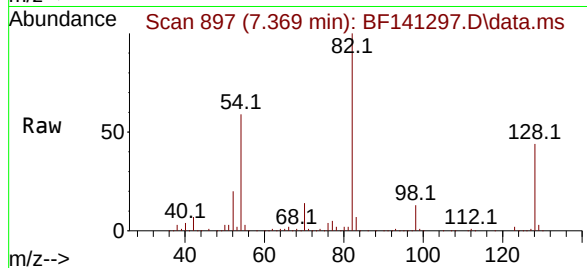
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7



#24

Nitrobenzene

Concen: 71.762 ng

RT: 7.393 min Scan# 901

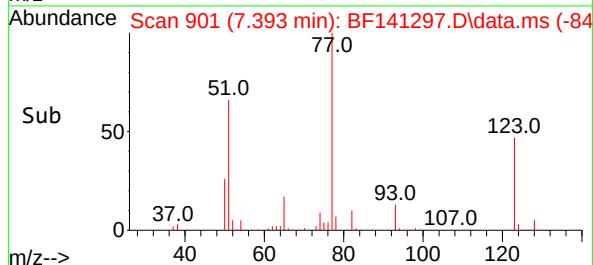
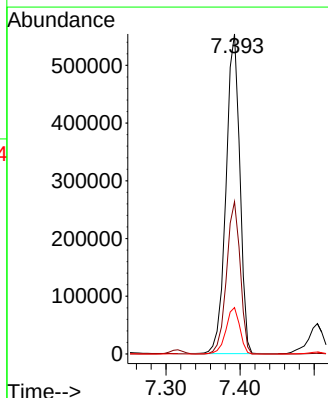
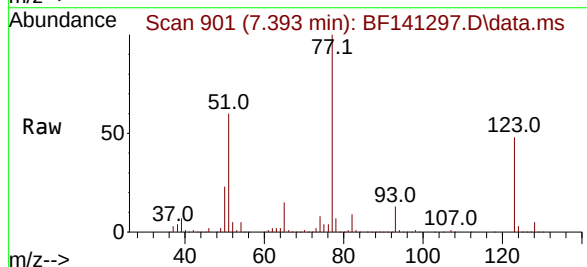
Delta R.T. 0.006 min

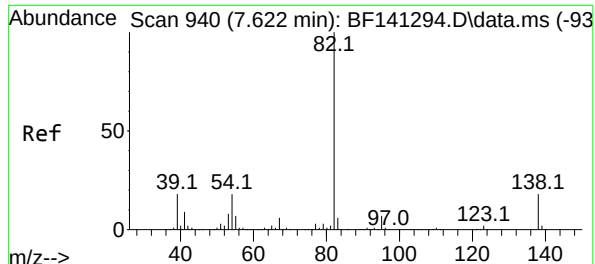
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6





#25

Isophorone

Concen: 74.193 ng

RT: 7.628 min Scan# 941

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

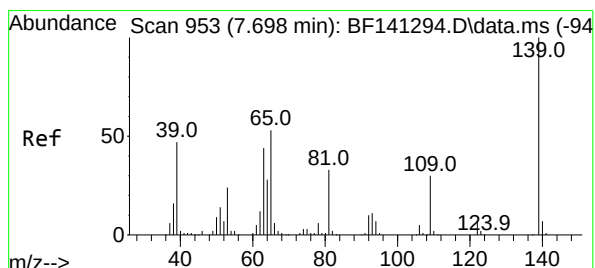
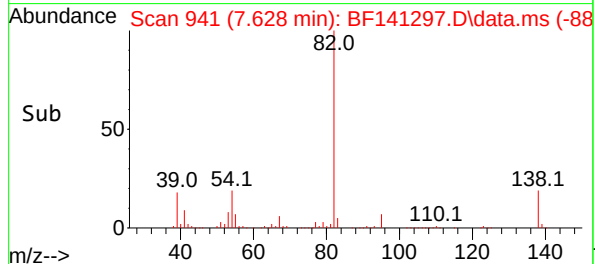
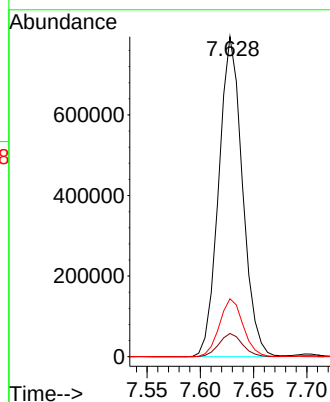
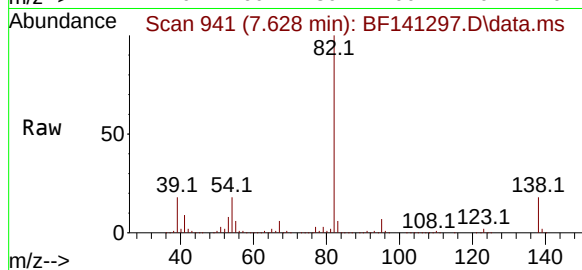
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1



#26

2-Nitrophenol

Concen: 76.912 ng

RT: 7.704 min Scan# 954

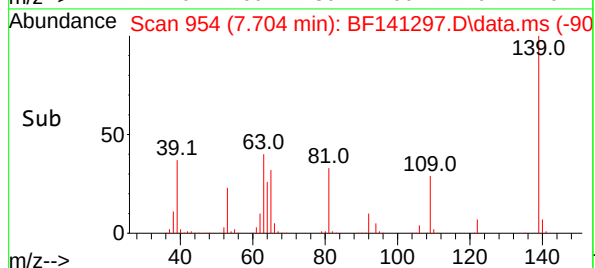
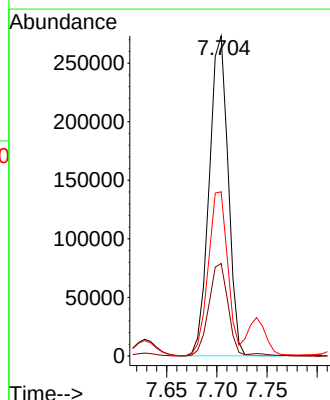
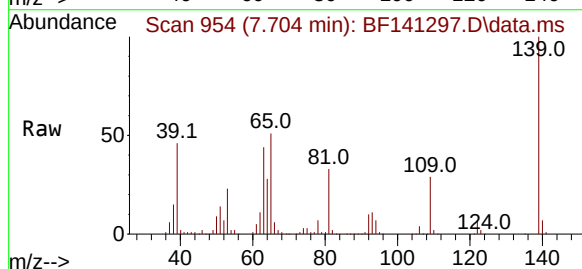
Delta R.T. 0.006 min

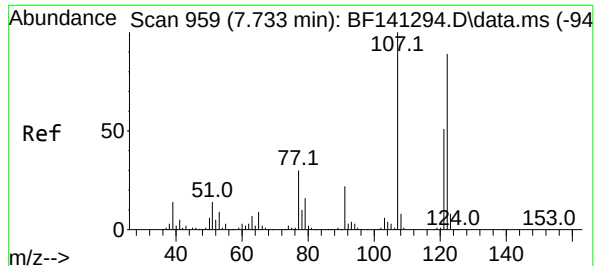
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion: 139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4





#27

2,4-Dimethylphenol

Concen: 74.779 ng

RT: 7.740 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

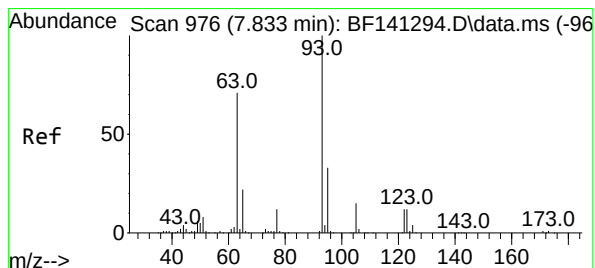
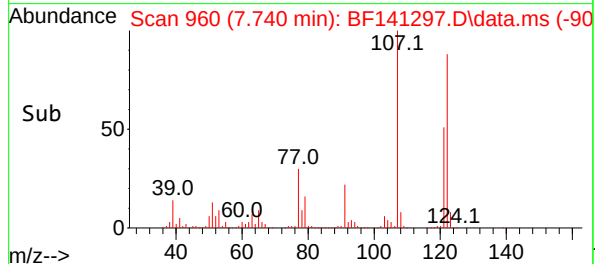
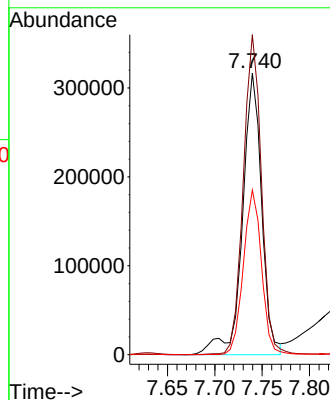
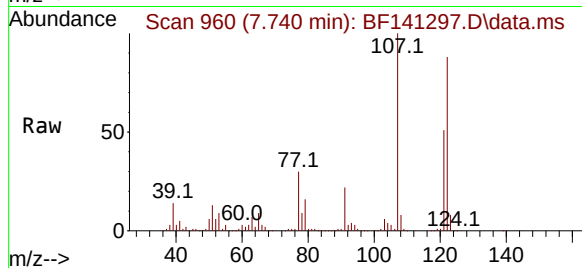
Tgt Ion:122 Resp: 445560

Ion Ratio Lower Upper

122 100

107 113.7 89.9 134.9

121 58.5 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 72.405 ng

RT: 7.840 min Scan# 977

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

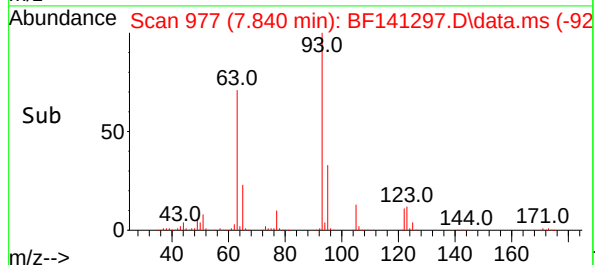
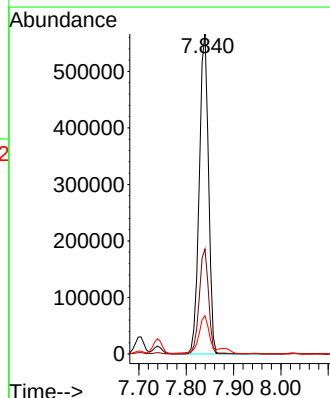
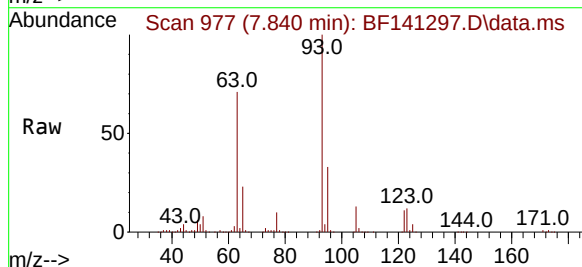
Tgt Ion: 93 Resp: 767960

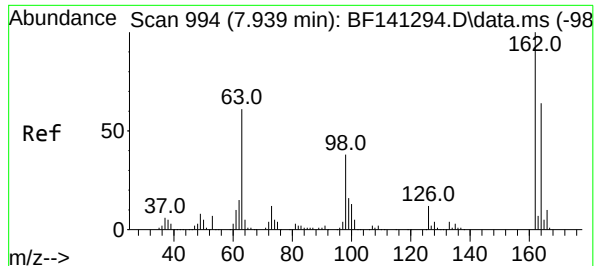
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.2

123 12.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 71.573 ng

RT: 7.945 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

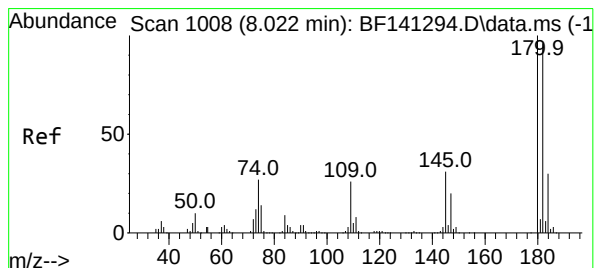
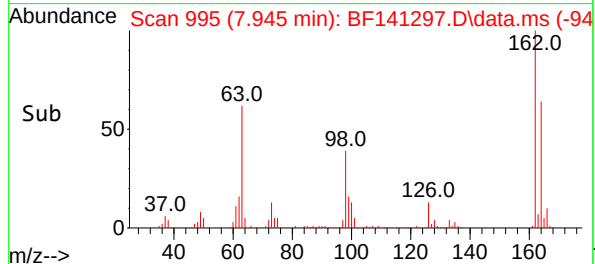
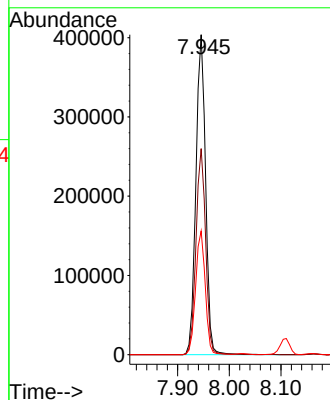
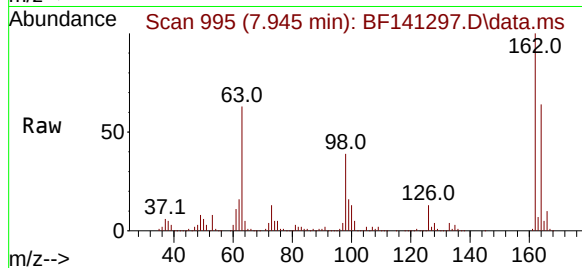
Tgt Ion:162 Resp: 525117

Ion Ratio Lower Upper

162 100

164 64.4 44.2 84.2

98 38.6 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 69.437 ng

RT: 8.028 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

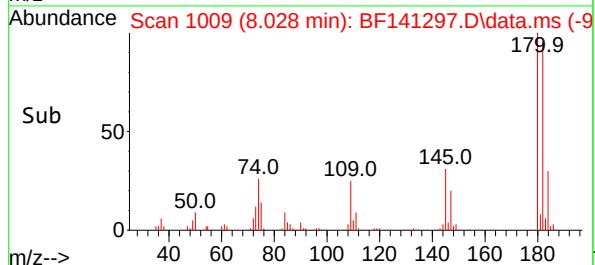
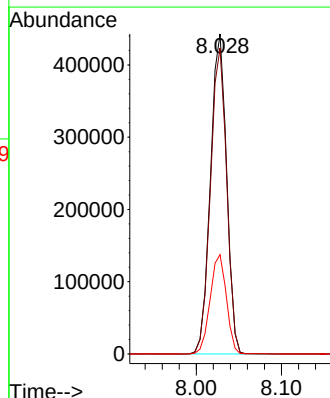
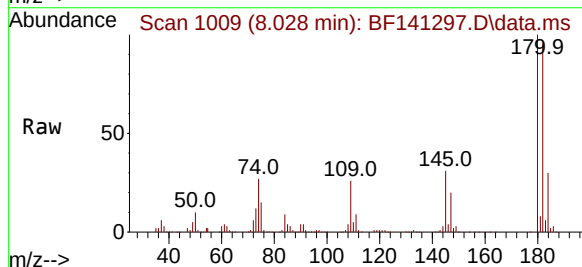
Tgt Ion:180 Resp: 584061

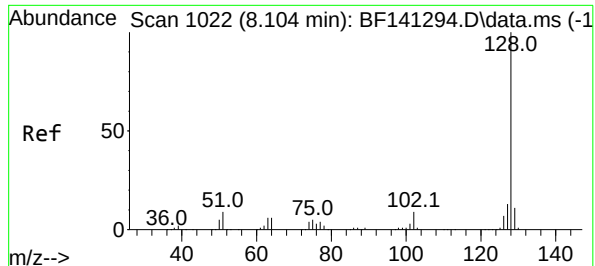
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 68.107 ng

RT: 8.110 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

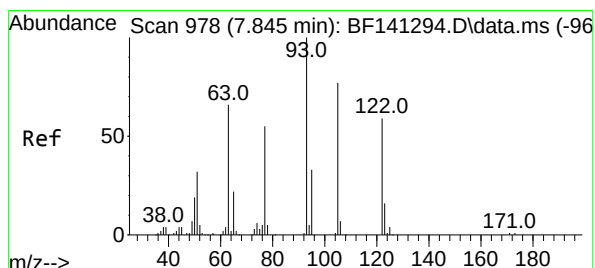
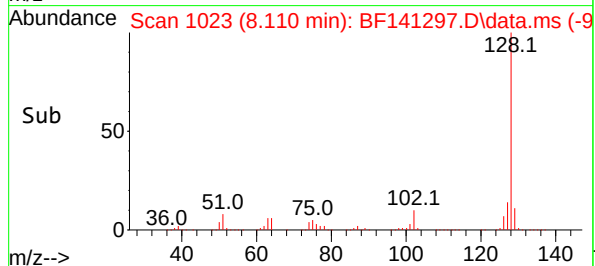
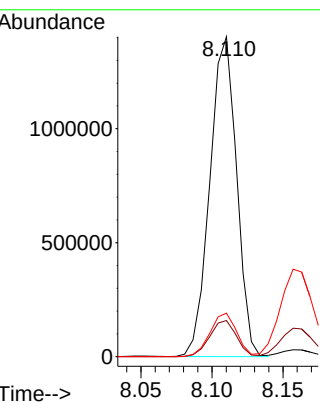
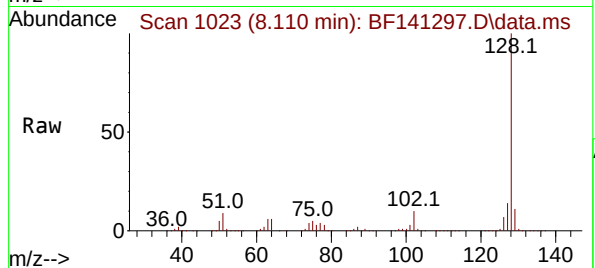
Tgt Ion:128 Resp: 1838789

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.6 10.6 15.8



#32

Benzoic acid

Concen: 91.066 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

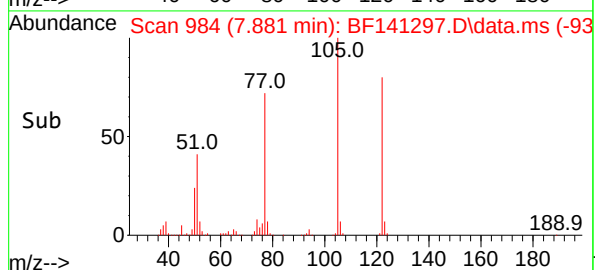
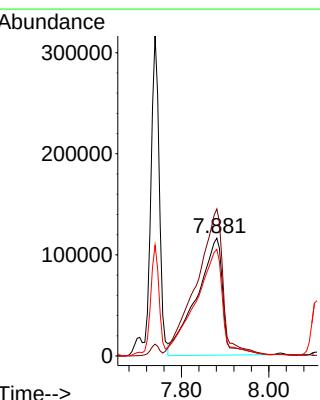
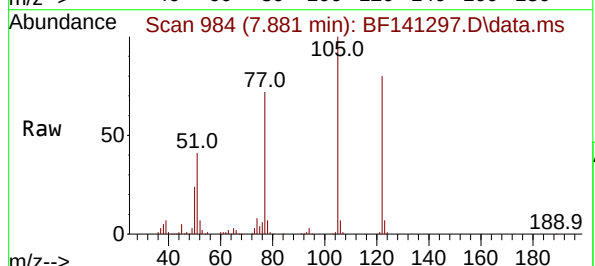
Tgt Ion:122 Resp: 484583

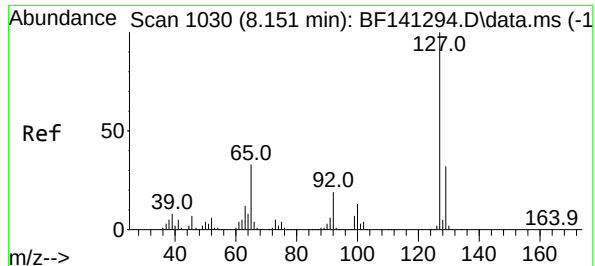
Ion Ratio Lower Upper

122 100

105 124.8 103.4 143.4

77 90.5 70.9 110.9





#33

4-Chloroaniline

Concen: 69.737 ng

RT: 8.157 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 636568

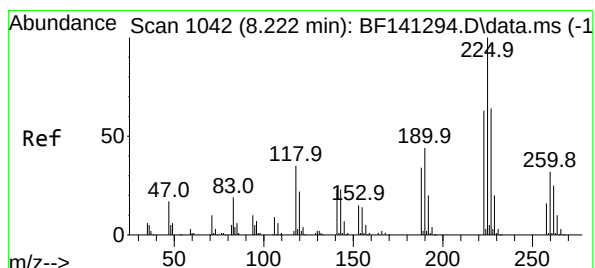
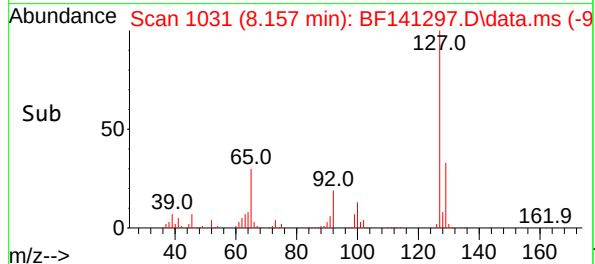
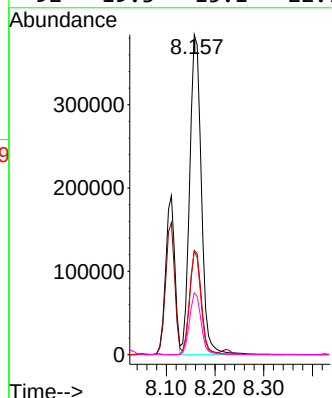
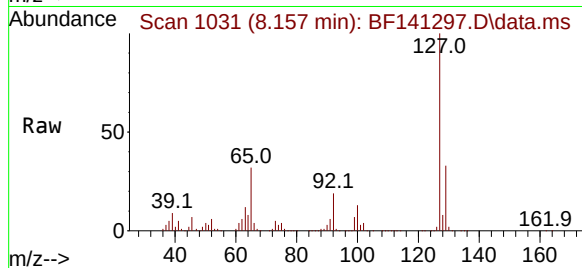
Ion Ratio Lower Upper

127 100

129 32.6 25.7 38.5

65 32.4 26.4 39.6

92 19.3 15.1 22.7



#34

Hexachlorobutadiene

Concen: 70.904 ng

RT: 8.222 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

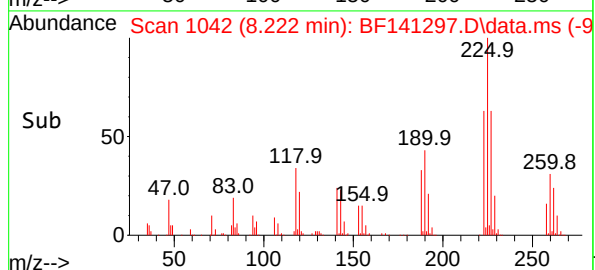
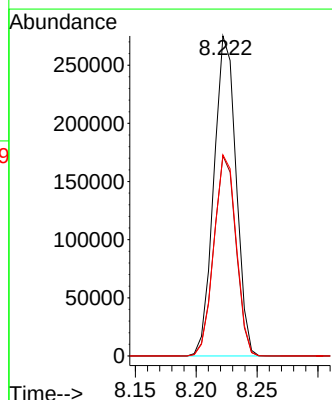
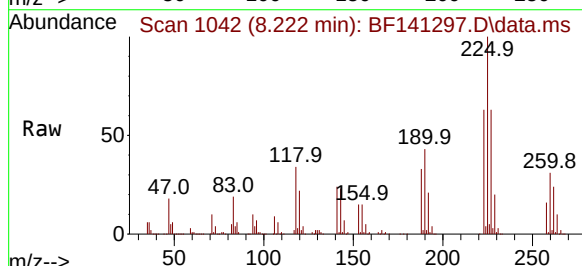
Tgt Ion:225 Resp: 348822

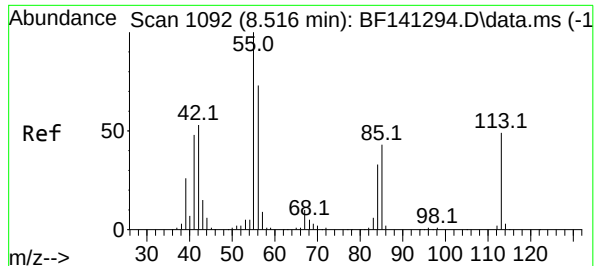
Ion Ratio Lower Upper

225 100

223 62.5 50.4 75.6

227 62.9 51.3 76.9

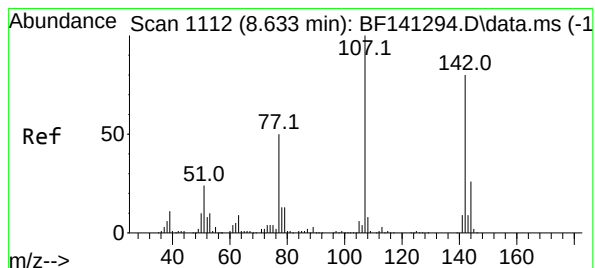
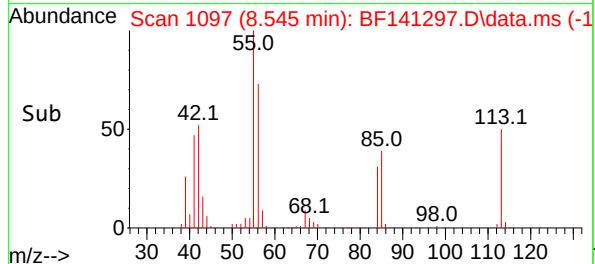
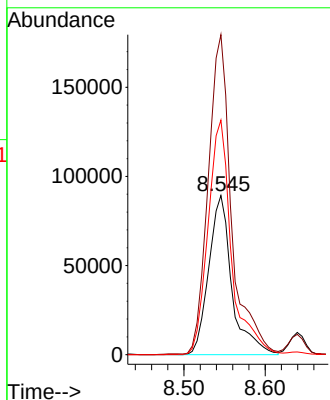
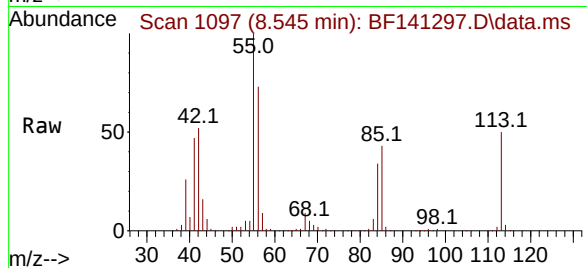




#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1097
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

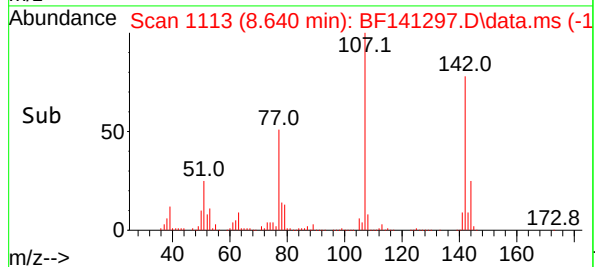
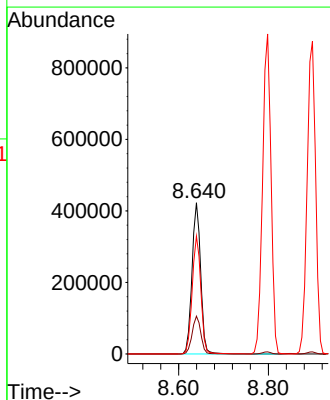
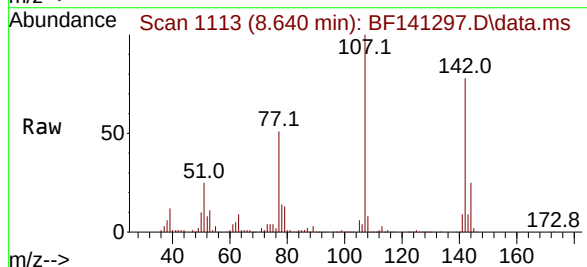
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

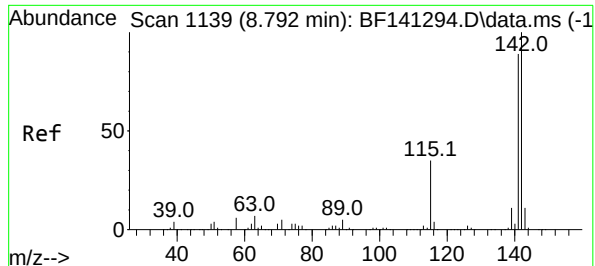
Tgt Ion:113 Resp: 177093
Ion Ratio Lower Upper
113 100
55 201.0 182.9 222.9
56 147.3 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827
Ion Ratio Lower Upper
107 100
144 24.9 20.7 31.1
142 77.9 63.8 95.8





#37

2-Methylnaphthalene

Concen: 67.926 ng

RT: 8.798 min Scan# 1139

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

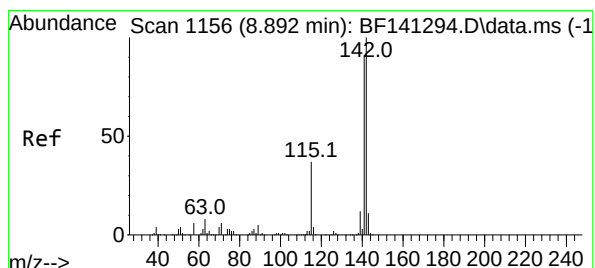
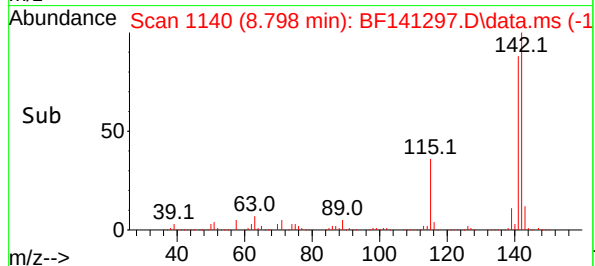
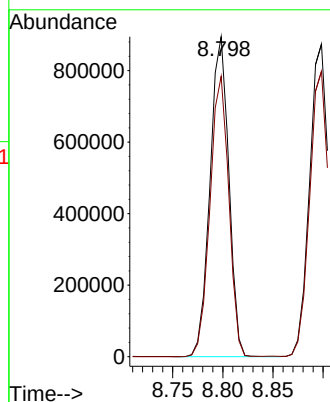
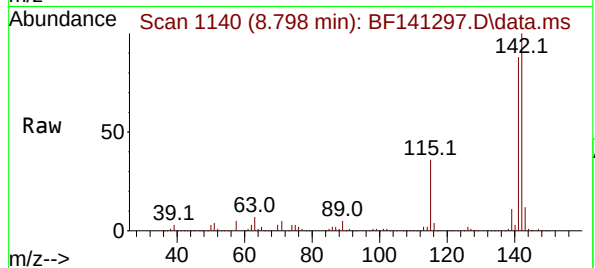
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion Ratio Lower Upper

142 100

141 87.6 71.3 106.9



#38

1-Methylnaphthalene

Concen: 67.988 ng

RT: 8.898 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF141297.D

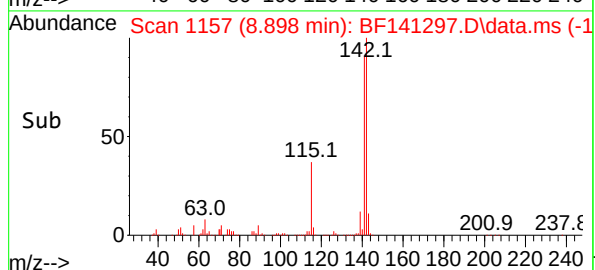
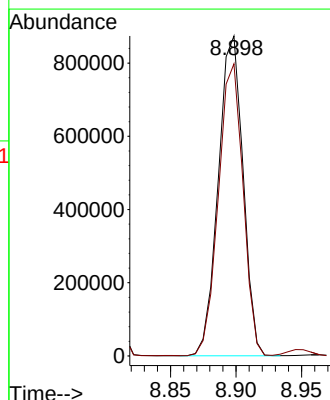
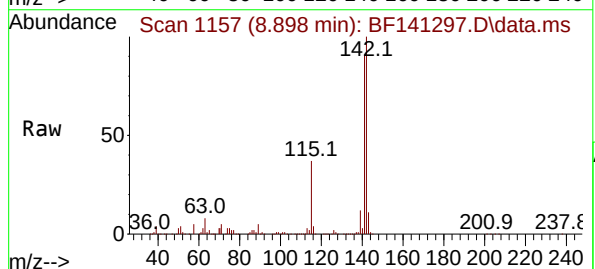
Acq: 29 Jan 2025 17:05

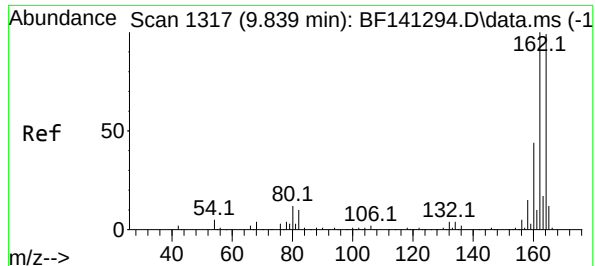
Tgt Ion:142 Resp: 1146275

Ion Ratio Lower Upper

142 100

141 91.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

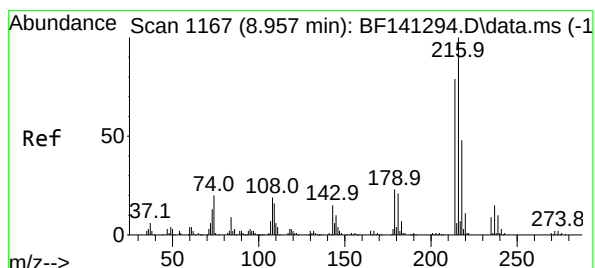
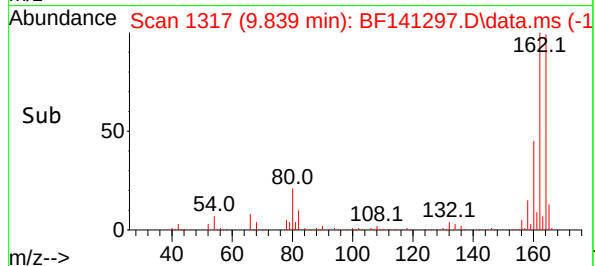
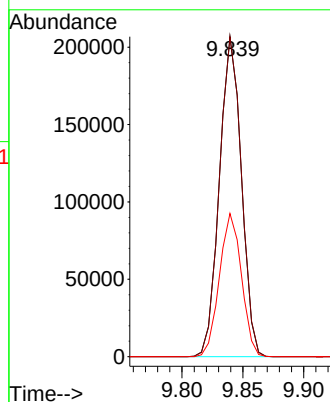
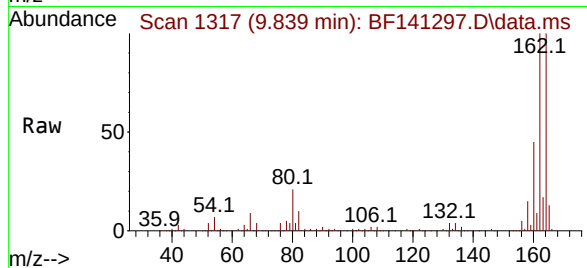
Tgt Ion:164 Resp: 259556

Ion Ratio Lower Upper

164 100

162 99.9 80.6 121.0

160 44.8 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 70.756 ng

RT: 8.963 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

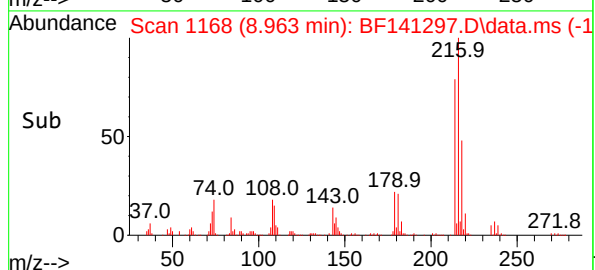
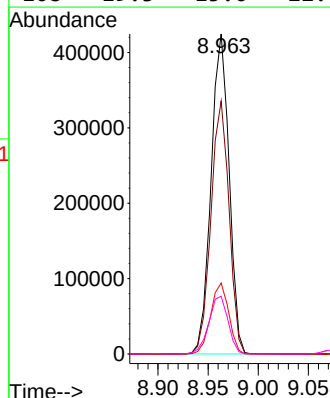
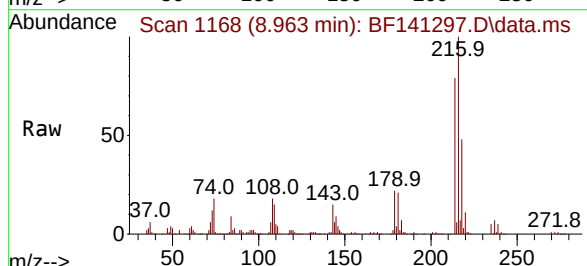
Ion Ratio Lower Upper

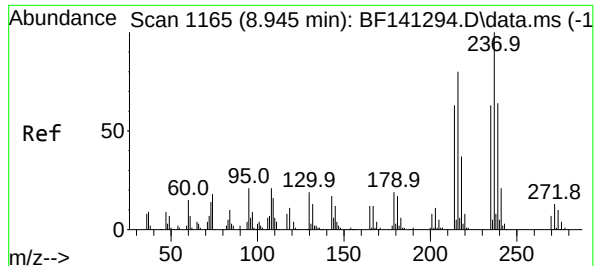
216 100

214 79.2 63.2 94.8

179 22.3 17.8 26.8

108 19.3 15.0 22.6

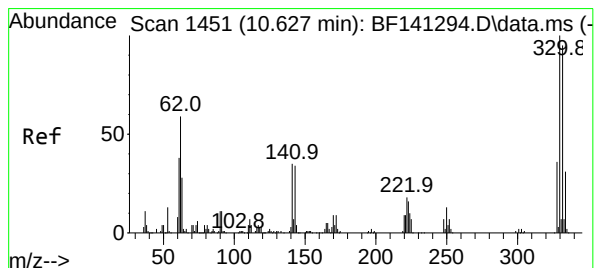
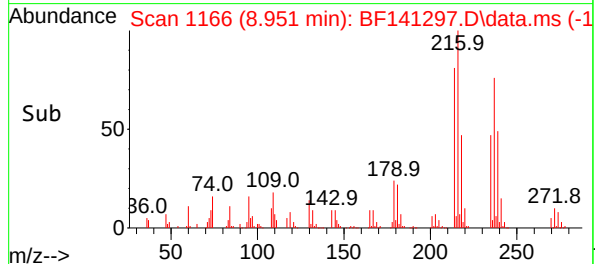
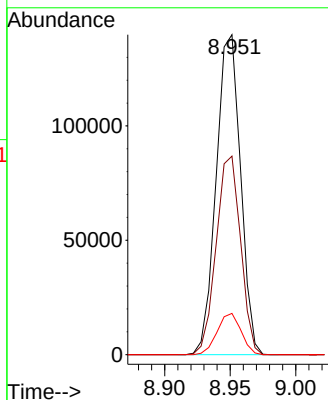
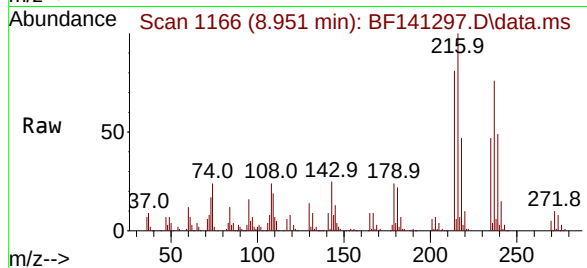




#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

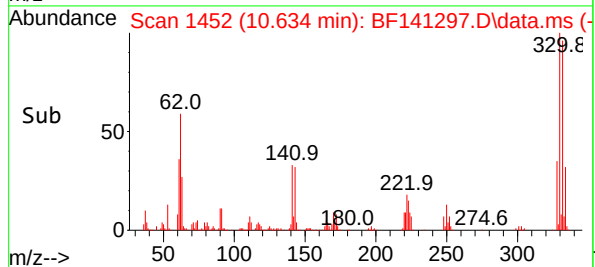
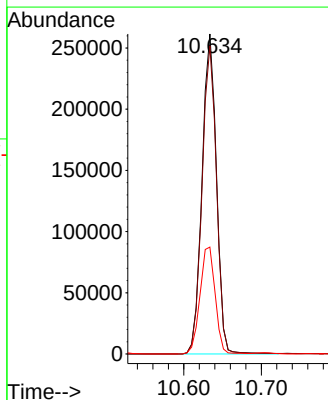
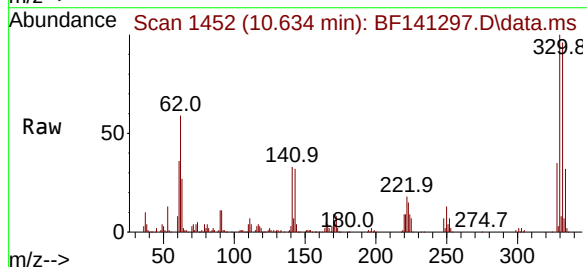
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

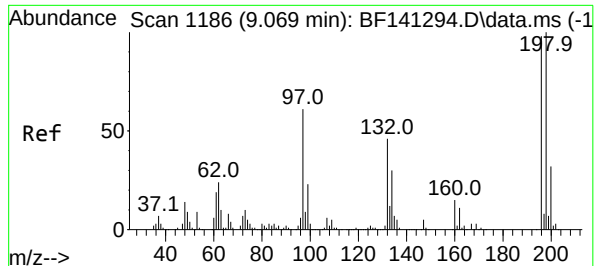
Tgt Ion:237 Resp: 180658
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 12.9 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670
Ion Ratio Lower Upper
330 100
332 96.7 76.1 114.1
141 35.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 73.727 ng

RT: 9.075 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

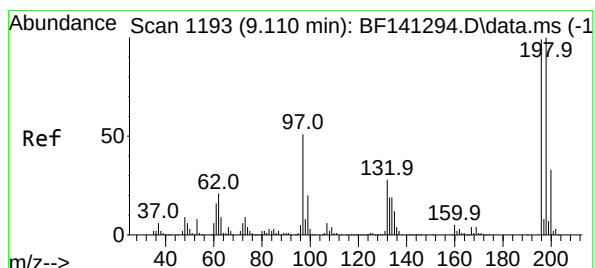
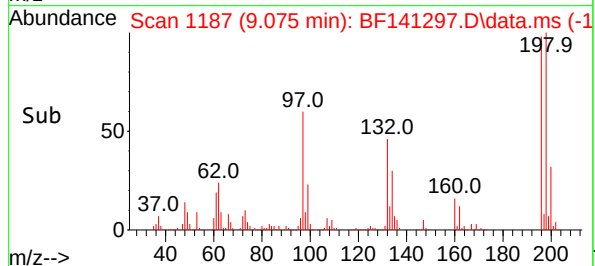
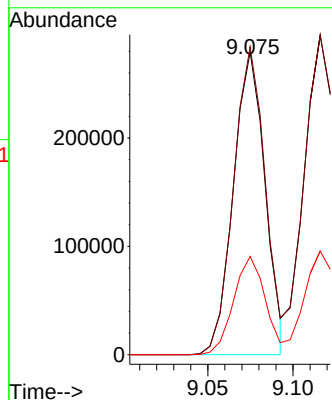
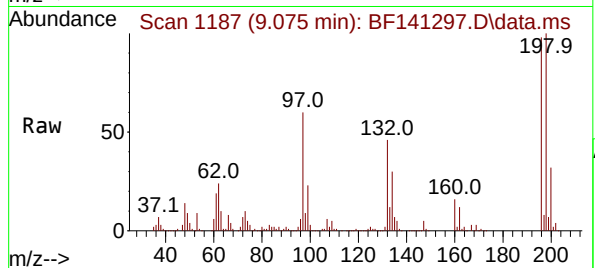
Tgt Ion:196 Resp: 360370

Ion Ratio Lower Upper

196 100

198 101.8 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 74.958 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

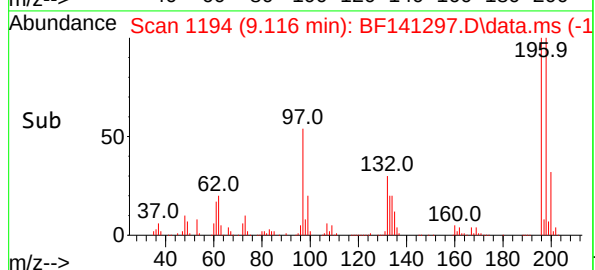
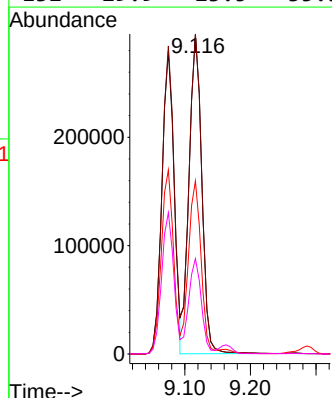
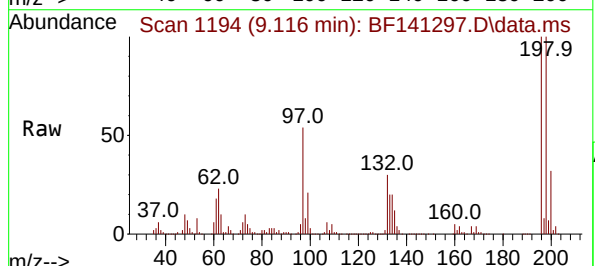
Ion Ratio Lower Upper

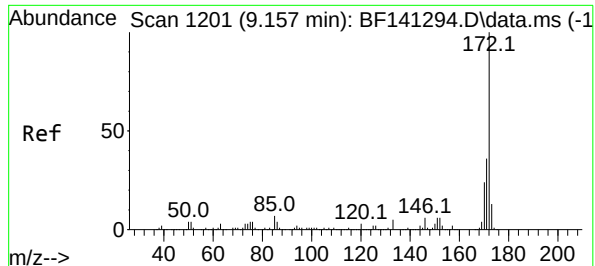
196 100

198 100.3 80.5 120.7

97 54.2 42.8 64.2

132 29.9 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 129.739 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

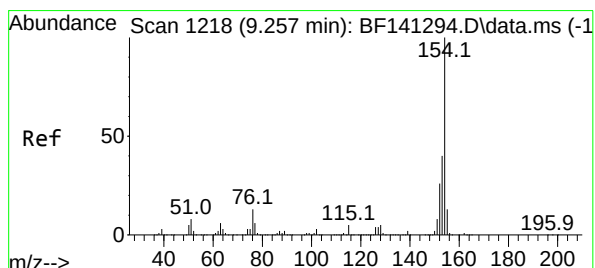
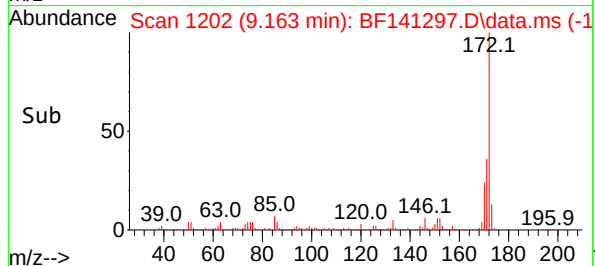
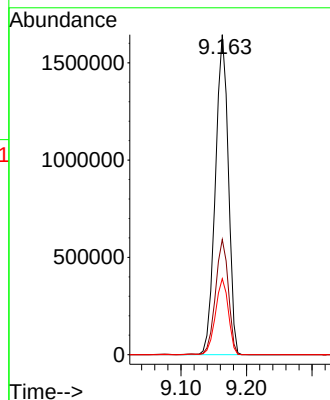
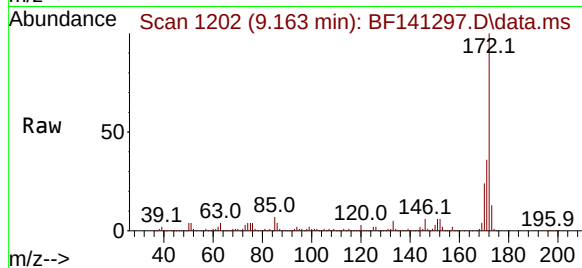
Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper

172	100		

171	36.0	28.8	43.2

170	23.7	19.0	28.6



#46

1,1'-Biphenyl

Concen: 68.298 ng

RT: 9.263 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

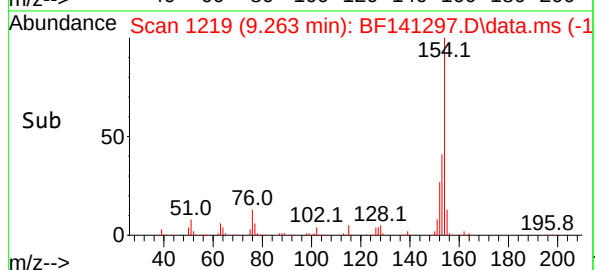
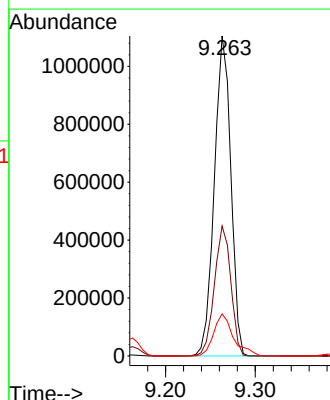
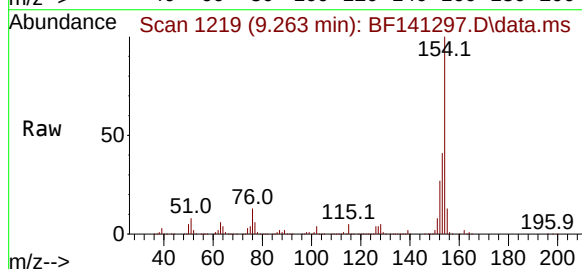
Tgt Ion:154 Resp: 1412015

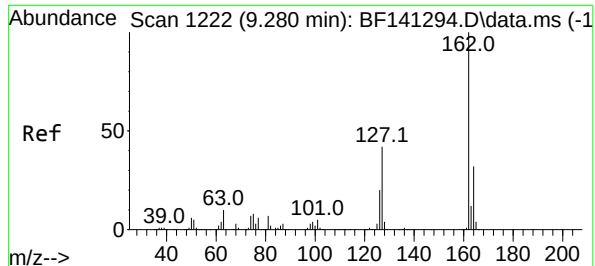
Ion	Ratio	Lower	Upper

154	100		

153	40.6	20.0	60.0

76	13.2	0.0	32.8





#47

2-Chloronaphthalene

Concen: 69.578 ng

RT: 9.287 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

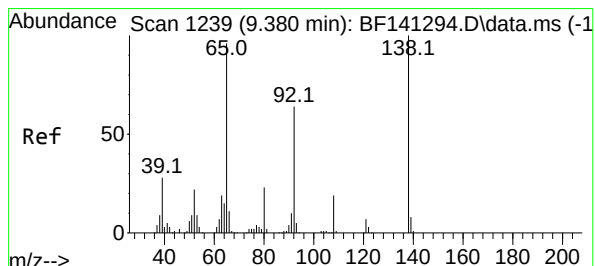
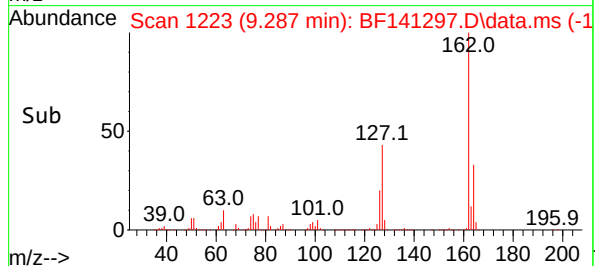
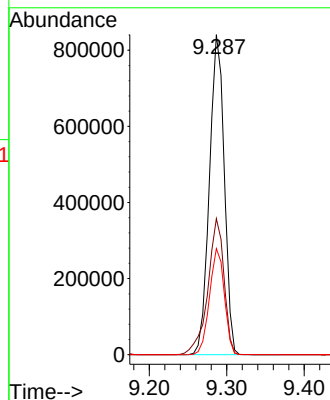
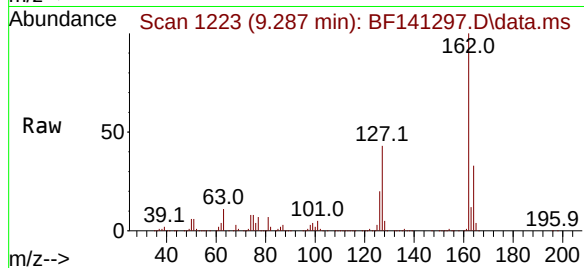
Tgt Ion:162 Resp: 1118593

Ion Ratio Lower Upper

162 100

127 42.5 33.7 50.5

164 33.1 25.9 38.9



#48

2-Nitroaniline

Concen: 75.652 ng

RT: 9.381 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

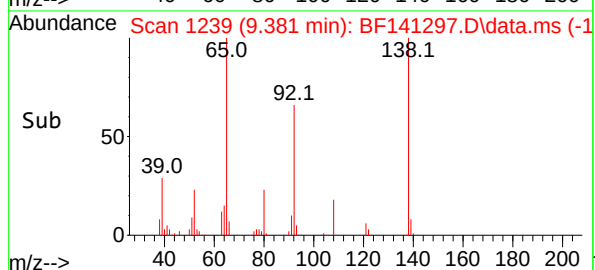
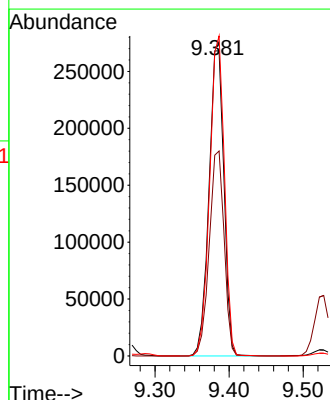
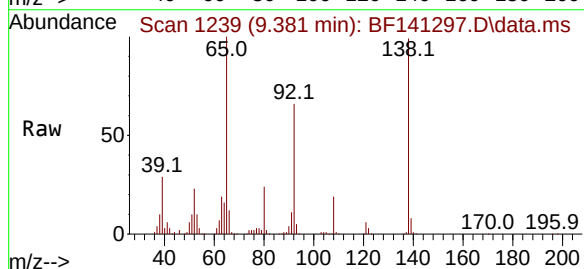
Tgt Ion: 65 Resp: 378379

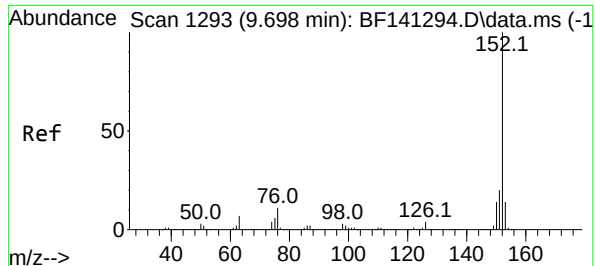
Ion Ratio Lower Upper

65 100

92 65.8 53.3 79.9

138 99.5 83.6 125.4





#49

Acenaphthylene

Concen: 68.901 ng

RT: 9.704 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

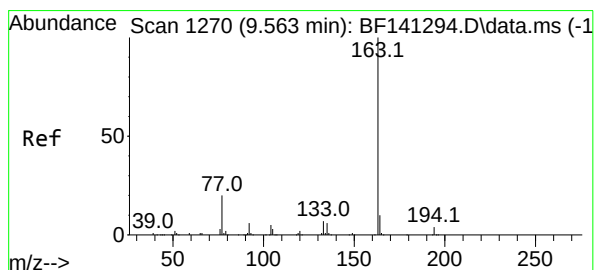
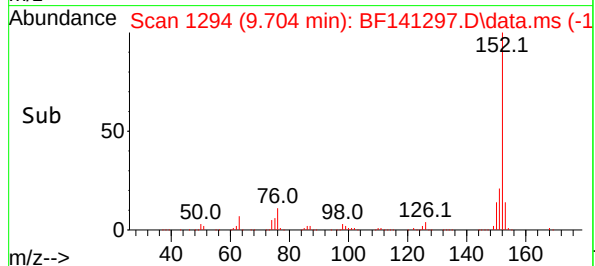
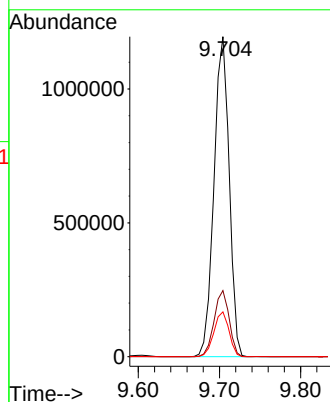
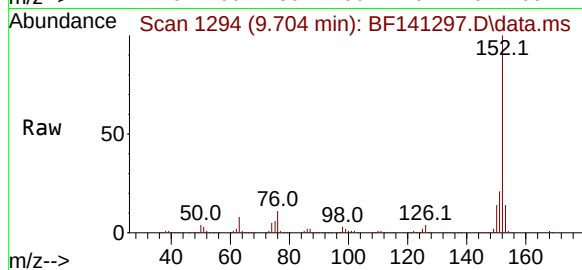
BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 1552508

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.0	11.0	16.6



#50

Dimethylphthalate

Concen: 71.308 ng

RT: 9.569 min Scan# 1271

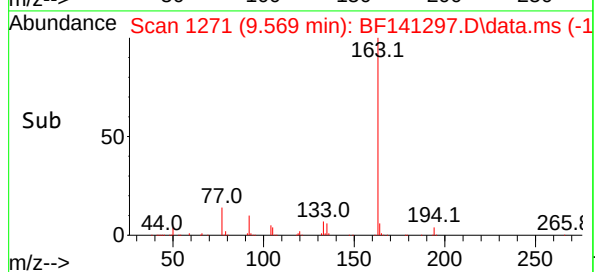
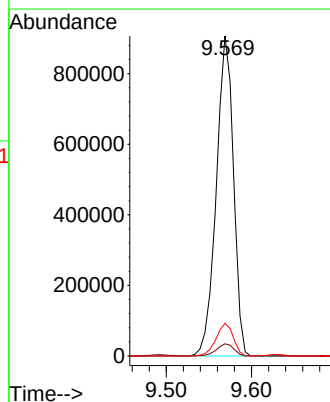
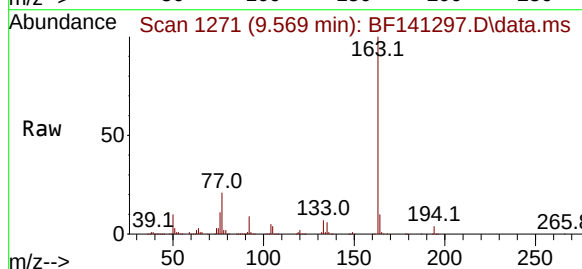
Delta R.T. 0.000 min

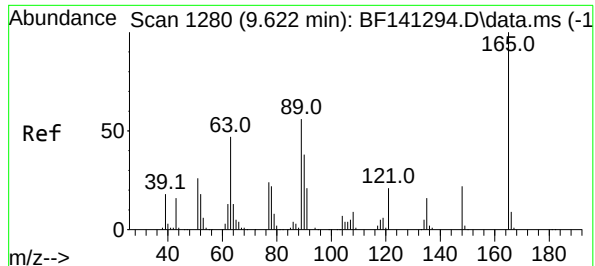
Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

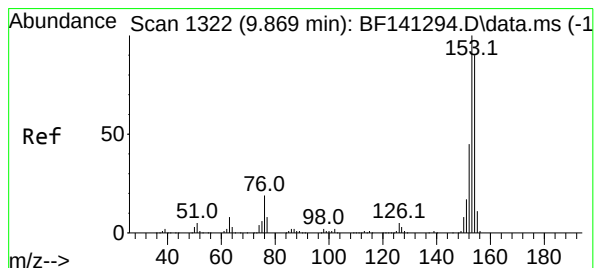
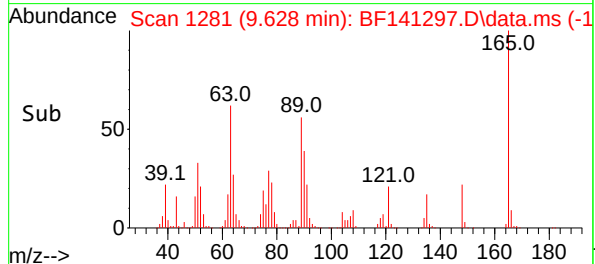
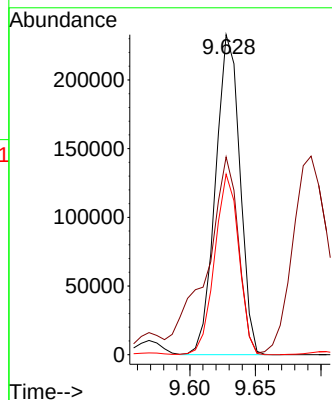
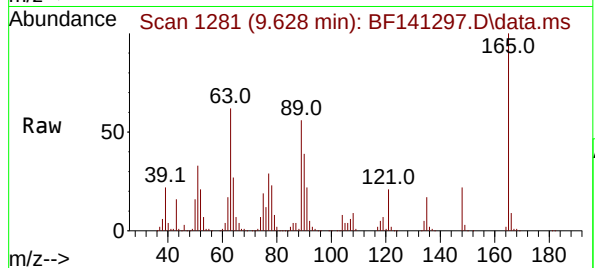




#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

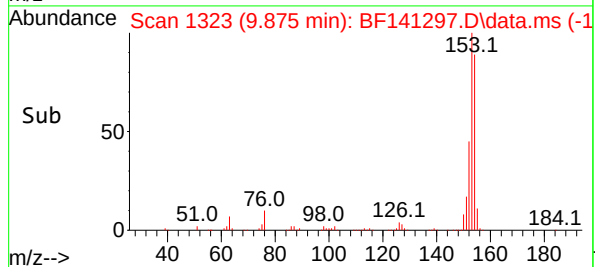
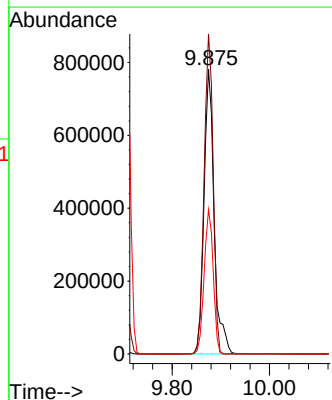
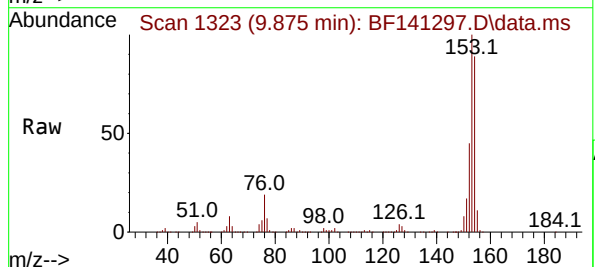
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

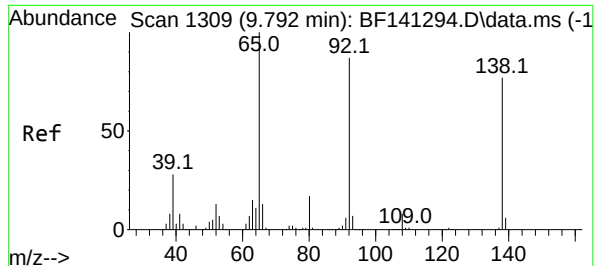
Tgt Ion:165 Resp: 300867
Ion Ratio Lower Upper
165 100
63 61.8 48.1 72.1
89 56.4 44.9 67.3



#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 50.7 40.2 60.4

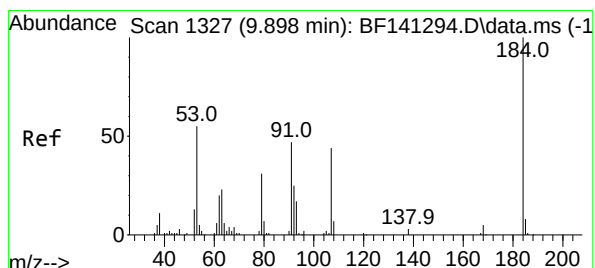
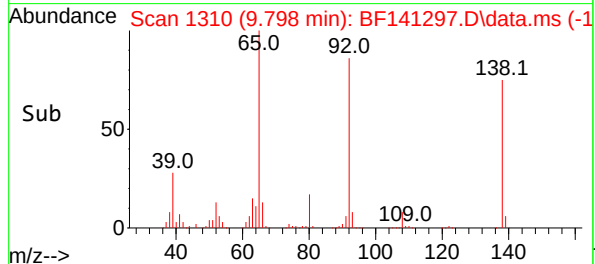
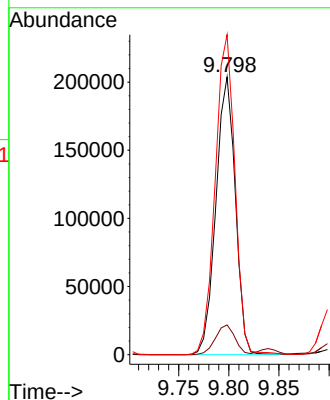
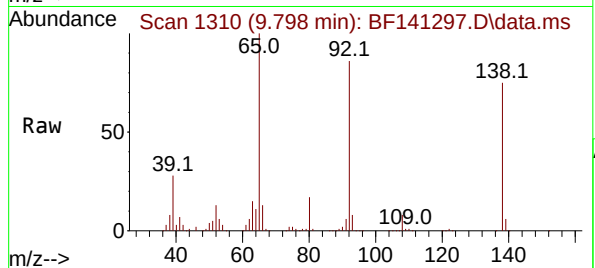




#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

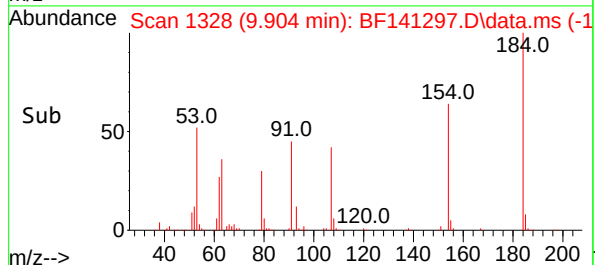
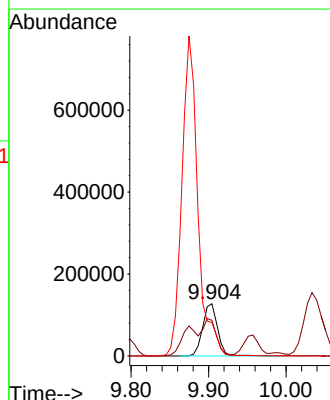
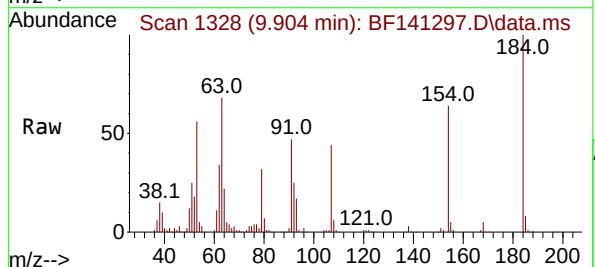
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

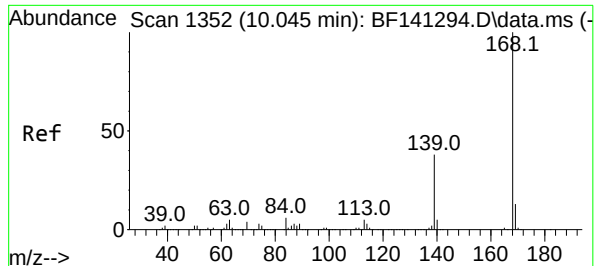
Tgt Ion:138 Resp: 274410
Ion Ratio Lower Upper
138 100
108 10.7 8.6 12.8
92 115.2 91.0 136.6



#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946
Ion Ratio Lower Upper
184 100
63 68.3 54.1 81.1
154 64.0 50.7 76.1





#55

Dibenzenofuran

Concen: 67.158 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

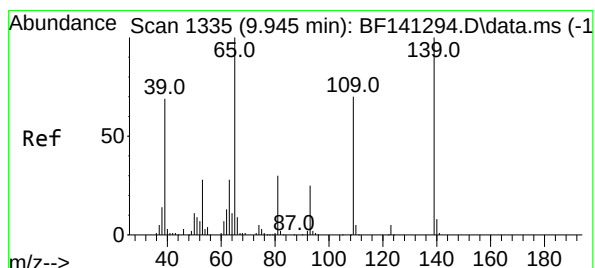
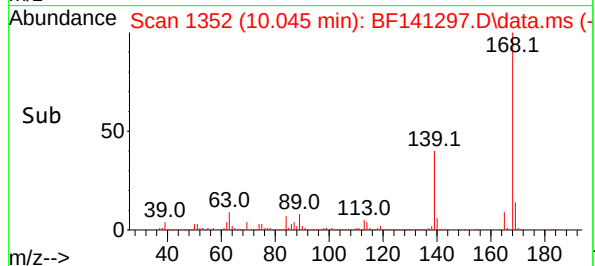
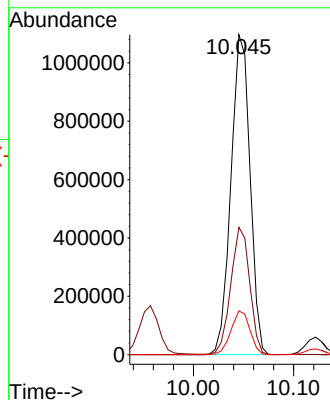
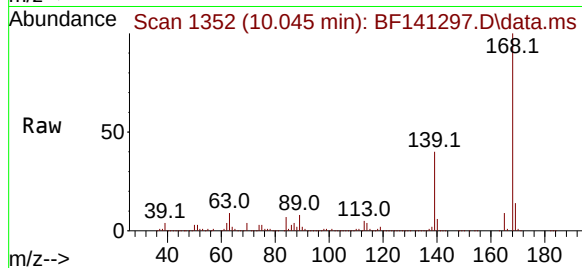
Tgt Ion:168 Resp: 1451668

Ion Ratio Lower Upper

168 100

139 39.8 30.6 46.0

169 13.7 10.8 16.2



#56

4-Nitrophenol

Concen: 78.788 ng

RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

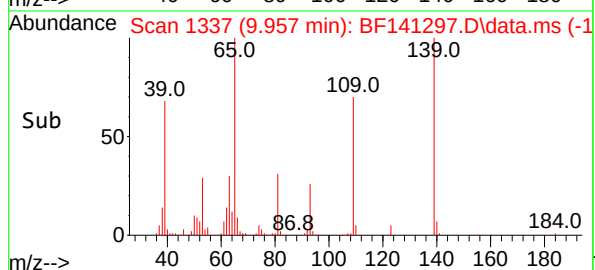
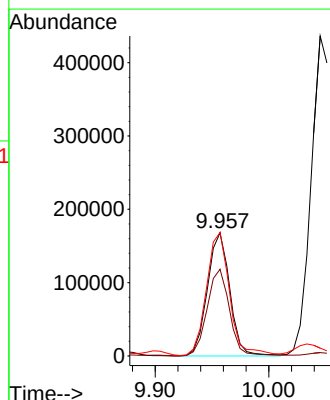
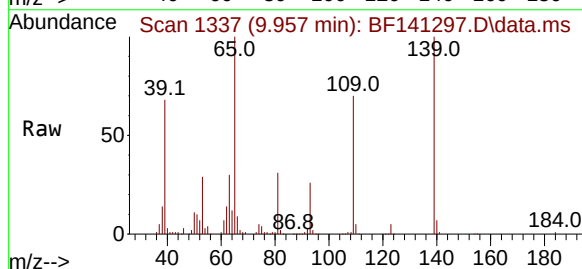
Tgt Ion:139 Resp: 230369

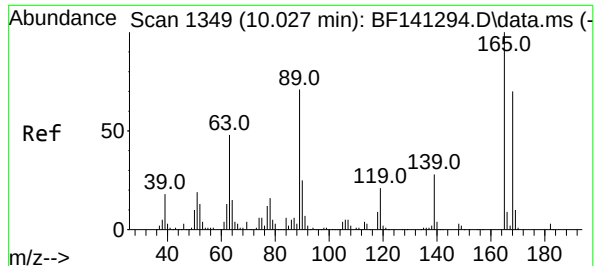
Ion Ratio Lower Upper

139 100

109 70.4 50.2 90.2

65 100.3 80.6 120.6

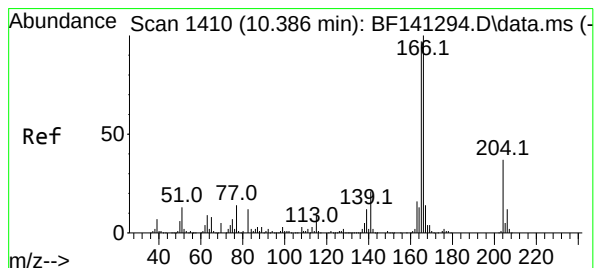
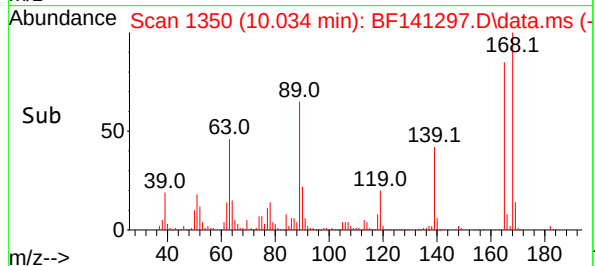
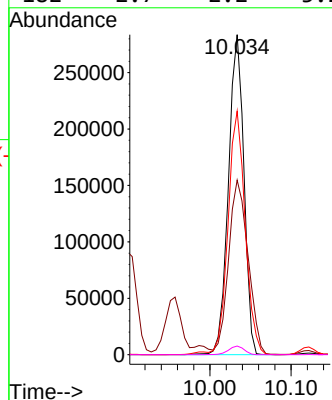
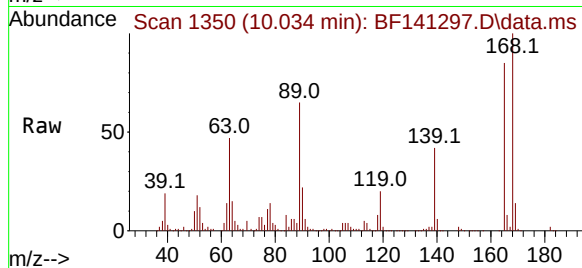




#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

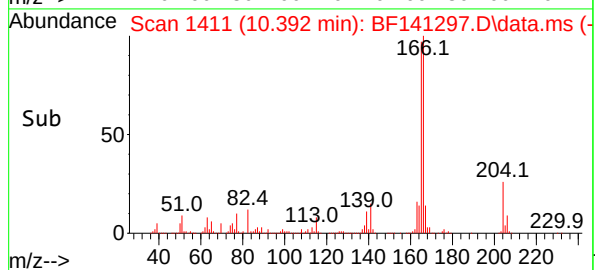
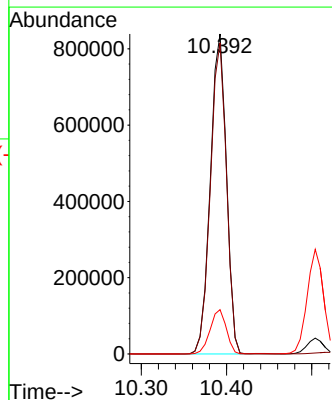
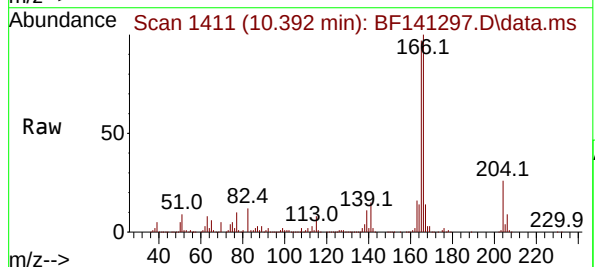
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

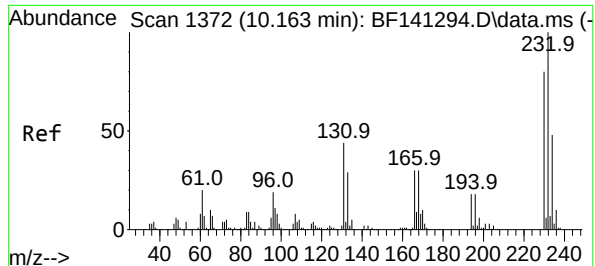
Tgt Ion:165 Resp: 375659
Ion Ratio Lower Upper
165 100
63 54.5 39.2 58.8
89 76.1 56.9 85.3
182 2.7 2.2 3.2



#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129
Ion Ratio Lower Upper
166 100
165 97.2 77.5 116.3
167 13.9 10.9 16.3

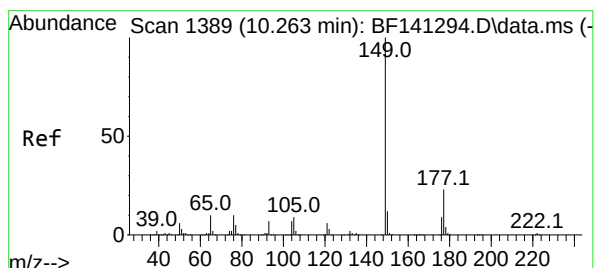
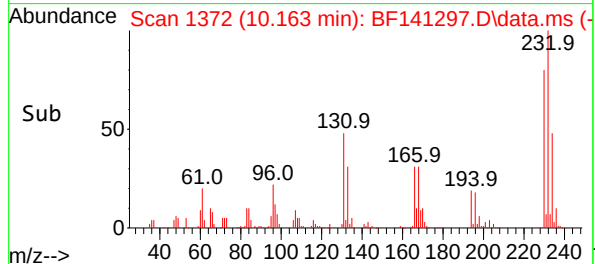
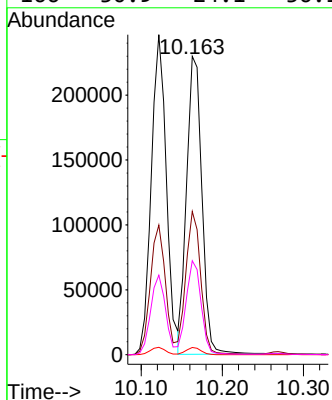
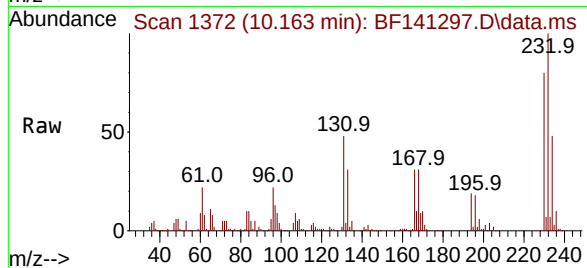




#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

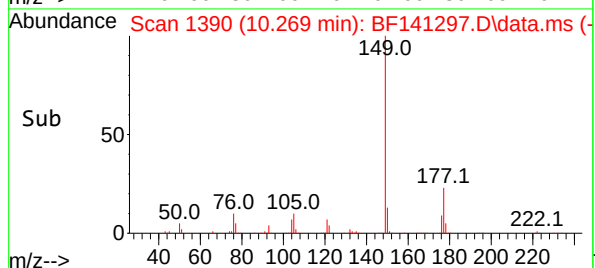
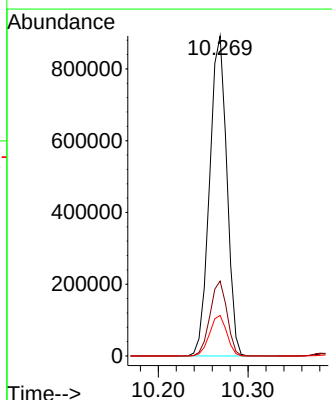
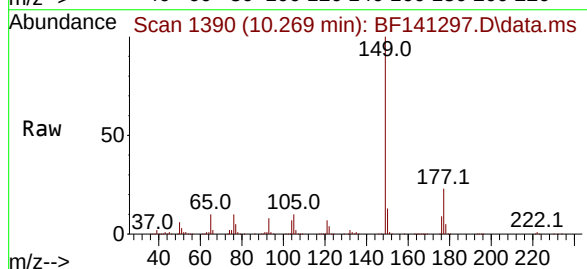
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

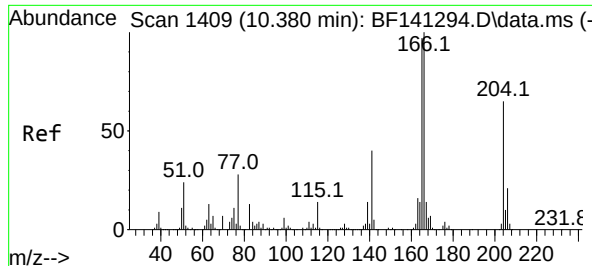
Tgt Ion:232 Resp: 302300
Ion Ratio Lower Upper
232 100
131 47.5 36.4 54.6
130 2.4 1.9 2.9
166 30.9 24.1 36.1



#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833
Ion Ratio Lower Upper
149 100
177 23.4 18.5 27.7
150 12.7 10.0 15.0

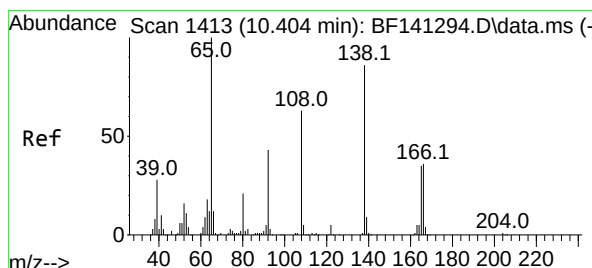
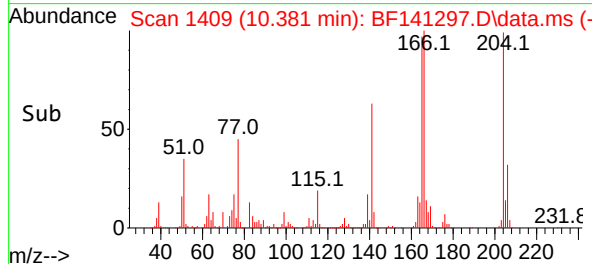
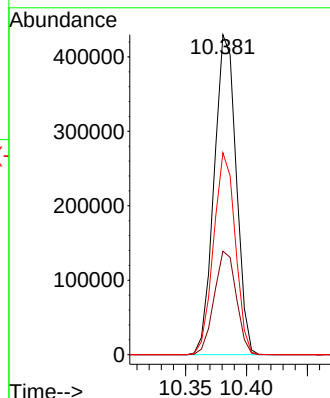
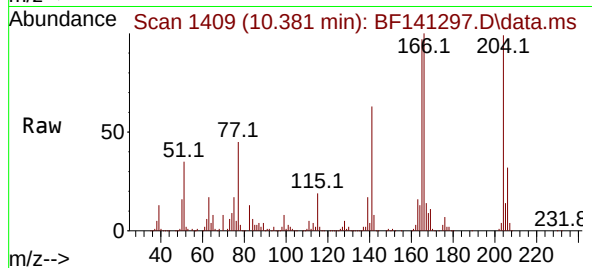




#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

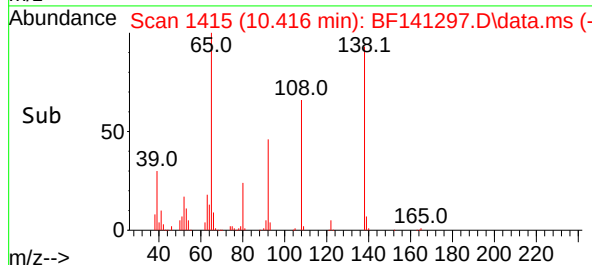
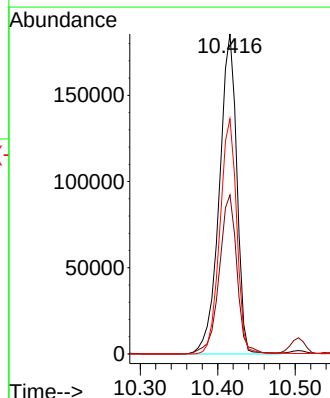
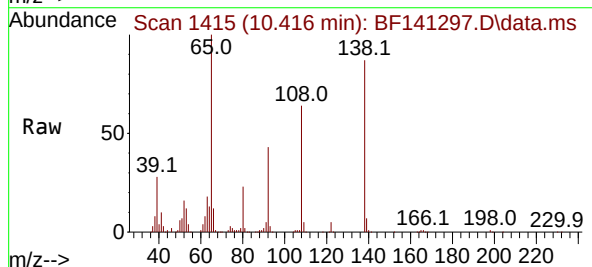
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

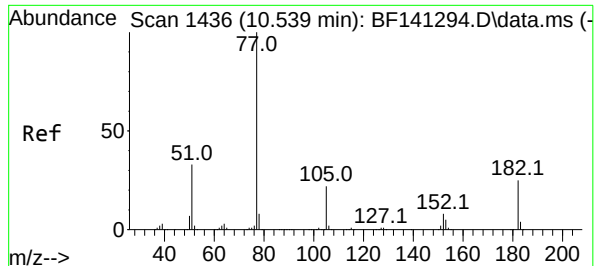
Tgt Ion:204 Resp: 541468
Ion Ratio Lower Upper
204 100
206 32.4 25.9 38.9
141 63.1 49.5 74.3



#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019
Ion Ratio Lower Upper
138 100
92 49.7 30.1 70.1
108 73.5 53.1 93.1

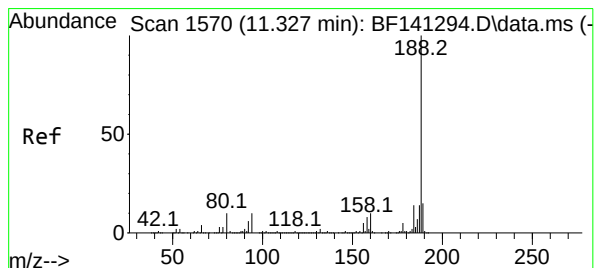
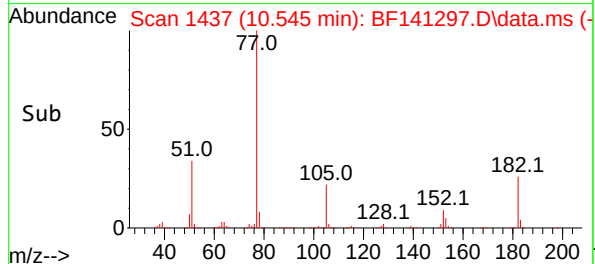
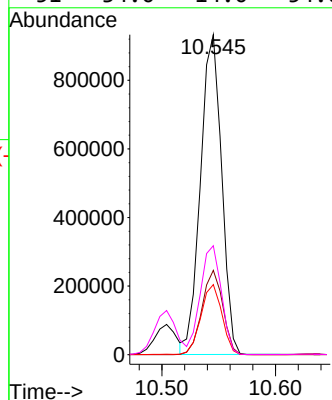
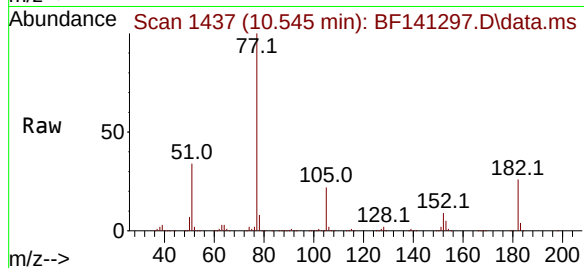




#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

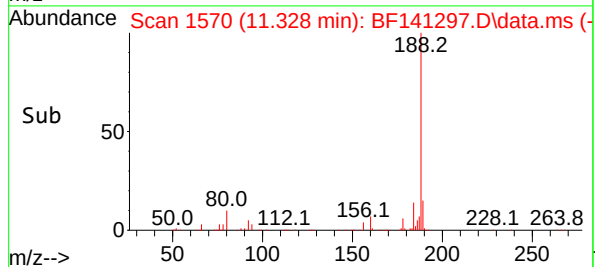
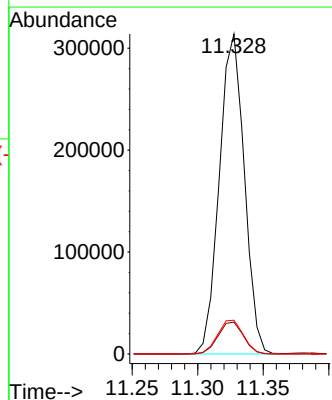
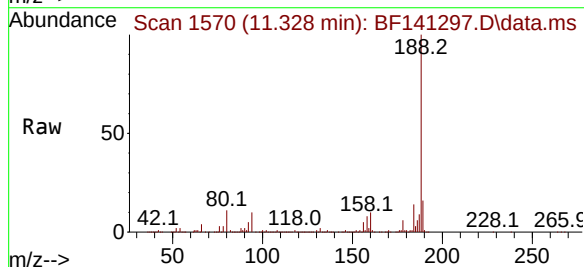
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

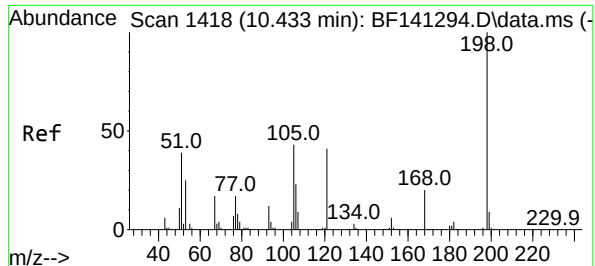
Tgt Ion: 77 Resp: 1206328
Ion Ratio Lower Upper
77 100
182 26.3 5.1 45.1
105 21.9 1.8 41.8
51 34.0 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 188 Resp: 415634
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 10.6 8.2 12.4

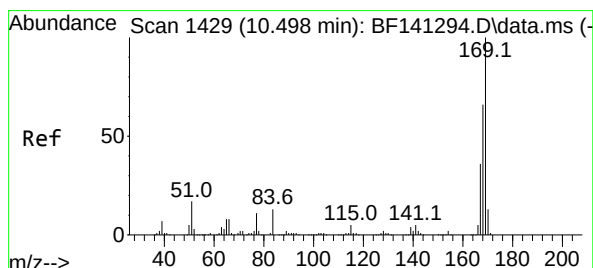
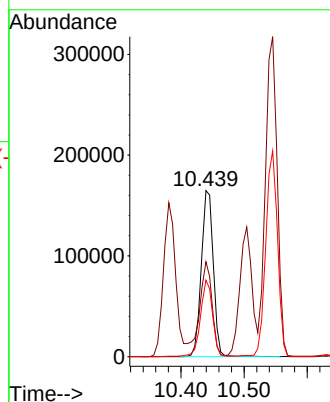
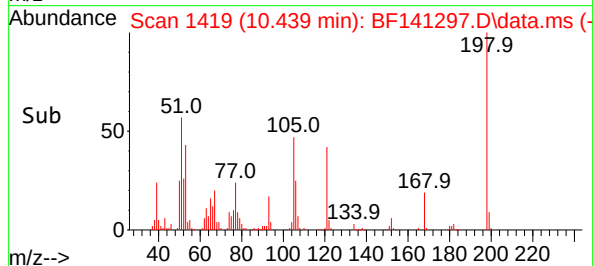
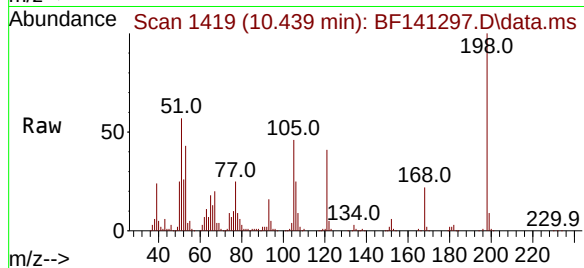




#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

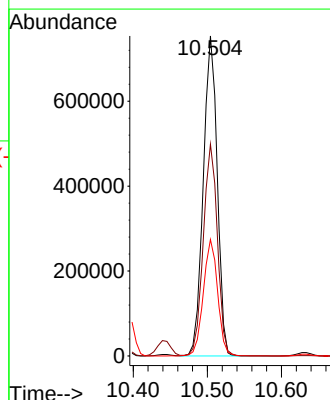
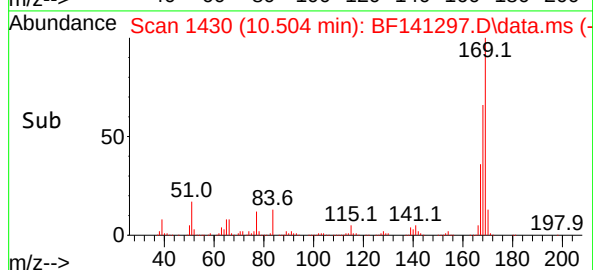
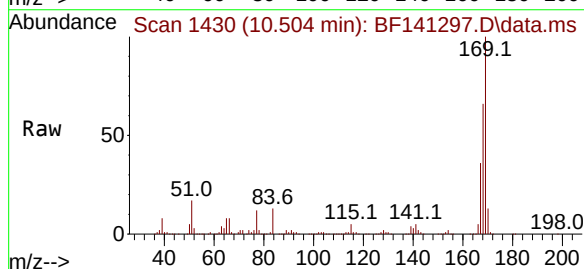
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

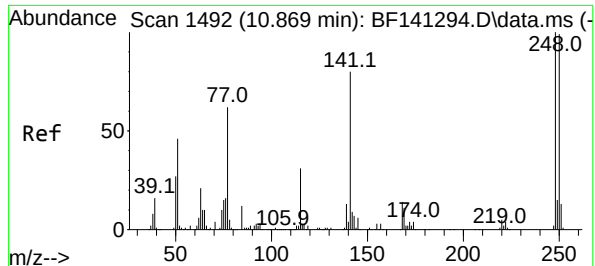
Tgt Ion:198 Resp: 217265
Ion Ratio Lower Upper
198 100
51 57.1 33.4 73.4
105 46.0 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121
Ion Ratio Lower Upper
169 100
168 66.2 53.0 79.4
167 36.4 28.8 43.2

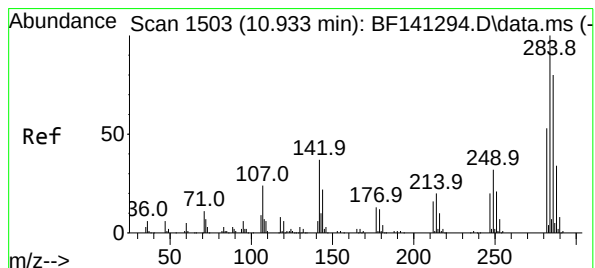
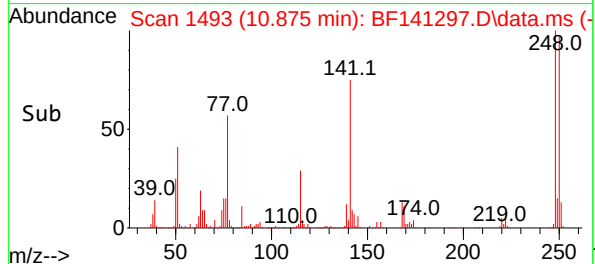
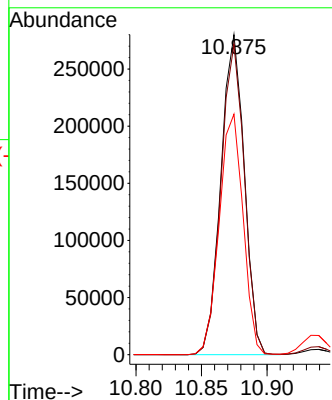
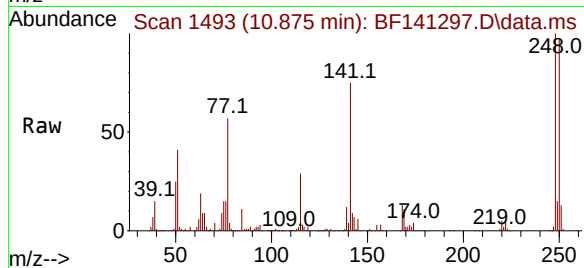




#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

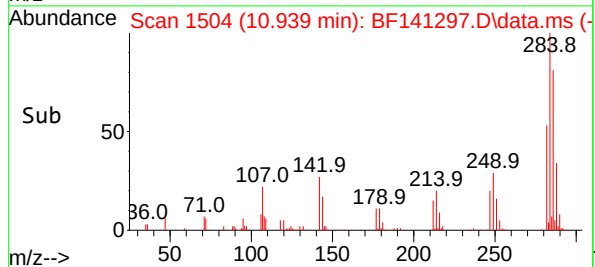
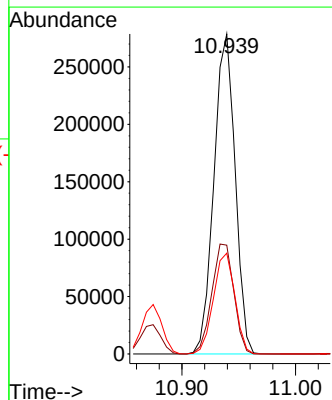
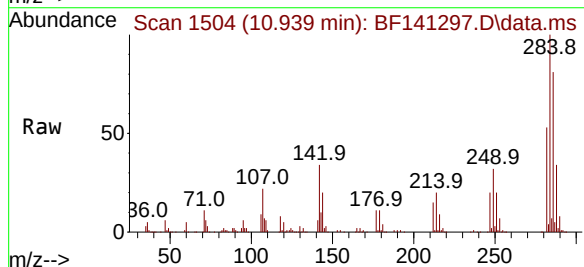
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

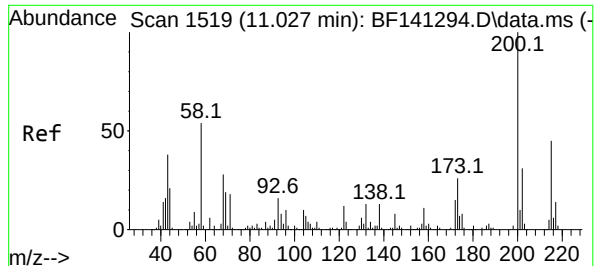
Tgt Ion:248 Resp: 348615
Ion Ratio Lower Upper
248 100
250 97.0 79.0 118.4
141 75.1 63.7 95.5



#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469
Ion Ratio Lower Upper
284 100
142 34.0 29.5 44.3
249 31.5 25.4 38.2





#69

Atrazine

Concen: 83.452 ng

RT: 11.033 min Scan# 1520

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

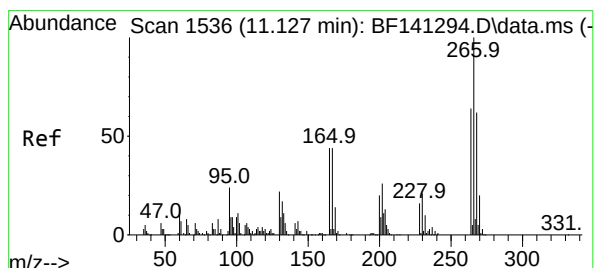
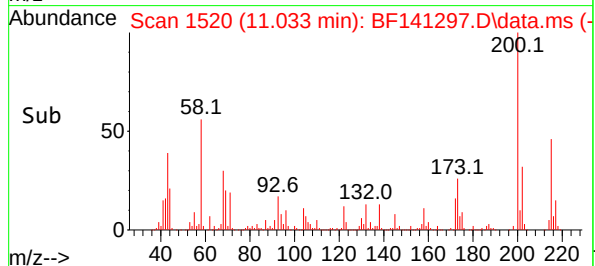
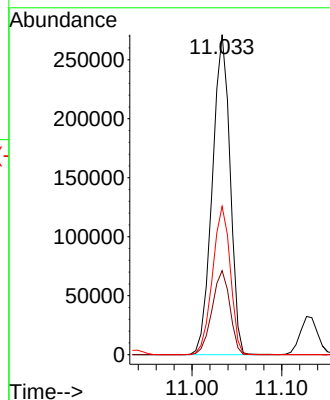
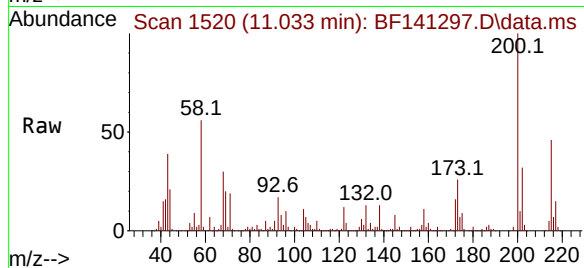
Tgt Ion:200 Resp: 372792

Ion Ratio Lower Upper

200 100

173 26.2 5.9 45.9

215 46.4 25.2 65.2



#70

Pentachlorophenol

Concen: 81.539 ng

RT: 11.133 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

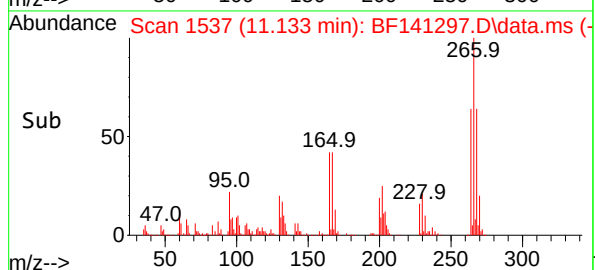
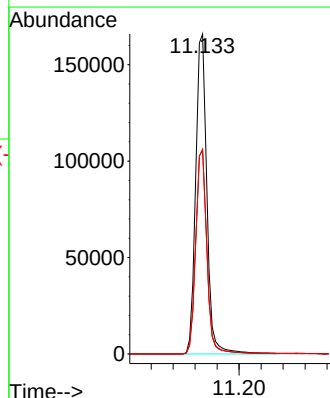
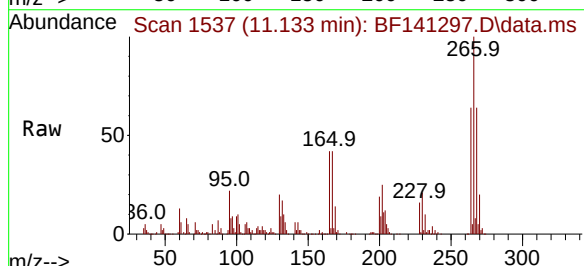
Tgt Ion:266 Resp: 235030

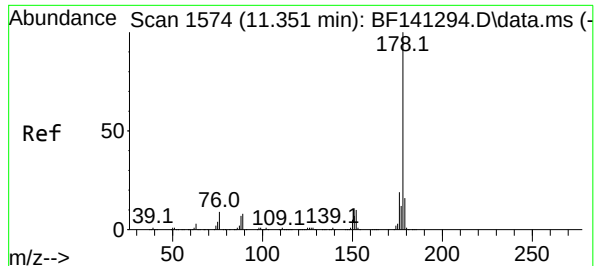
Ion Ratio Lower Upper

266 100

268 64.0 49.9 74.9

264 63.7 51.0 76.4

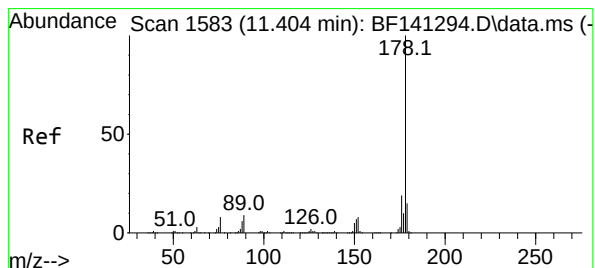
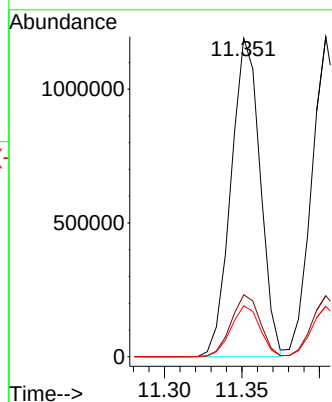
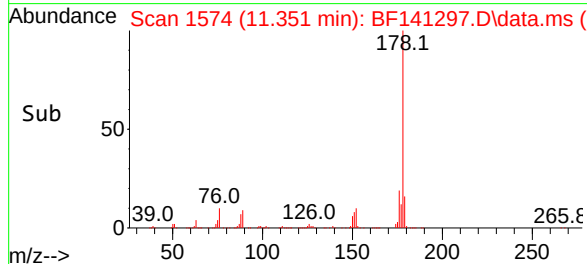
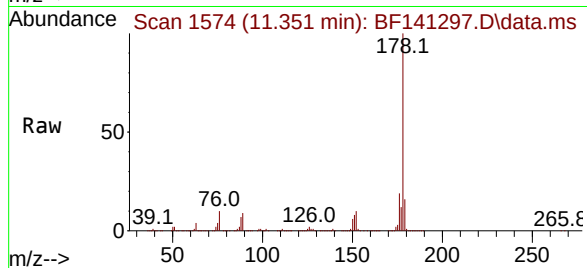




#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

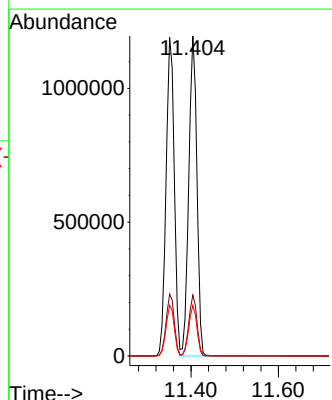
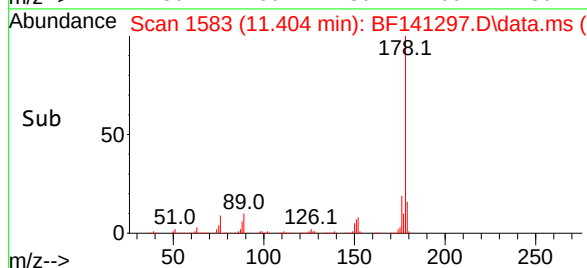
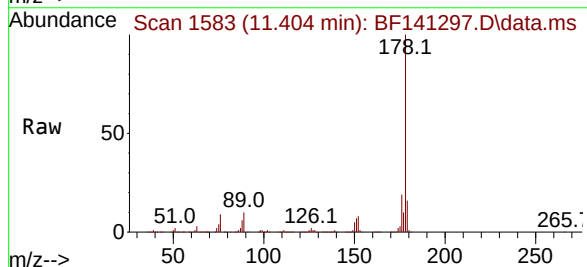
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

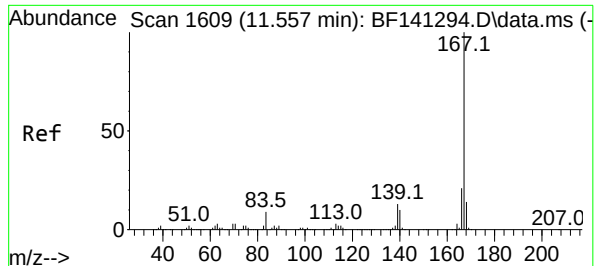
Tgt Ion:178 Resp: 1557660
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 16.0 12.5 18.7



#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.8 12.3 18.5

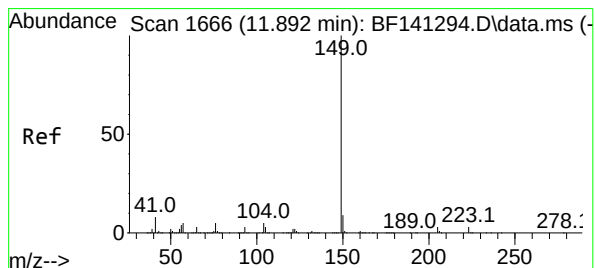
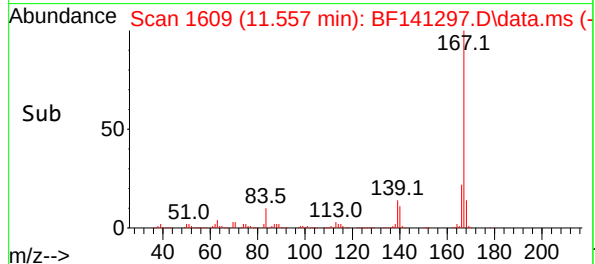
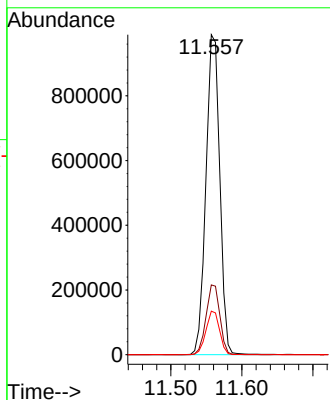
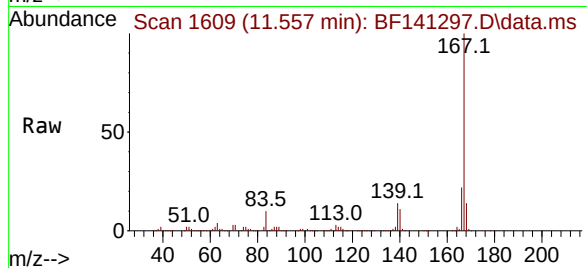




#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

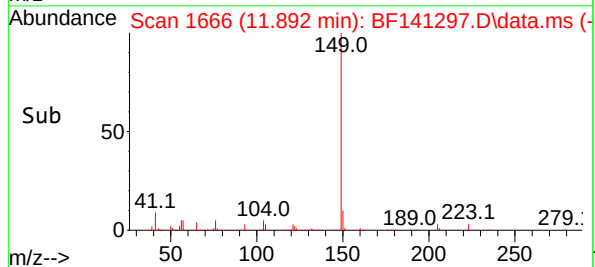
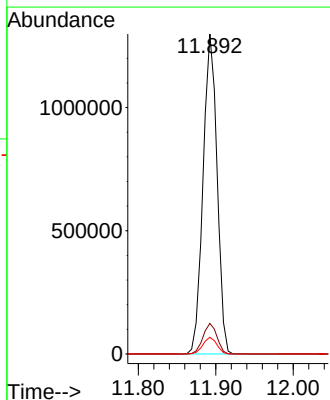
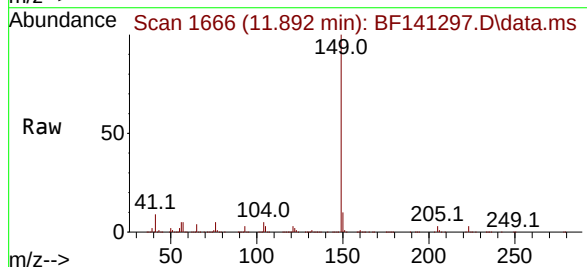
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

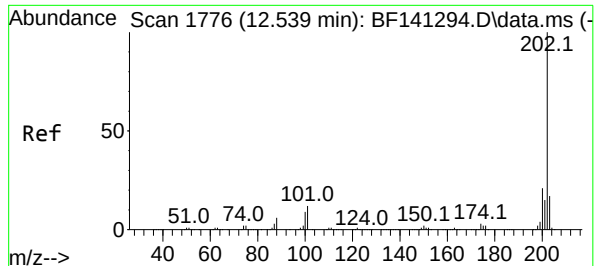
Tgt Ion:167 Resp: 1342447
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.6
139 13.6 10.6 16.0



#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342
Ion Ratio Lower Upper
149 100
150 9.6 7.4 11.2
104 5.2 3.9 5.9

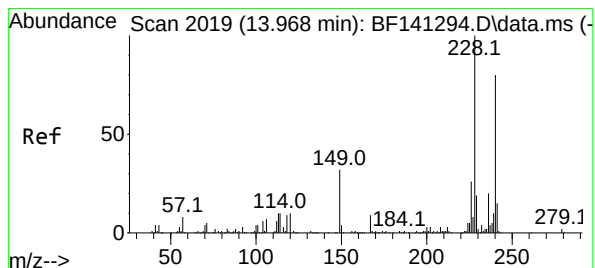
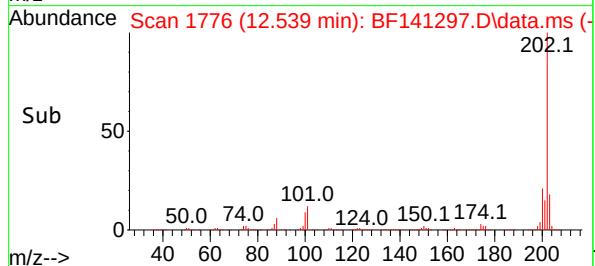
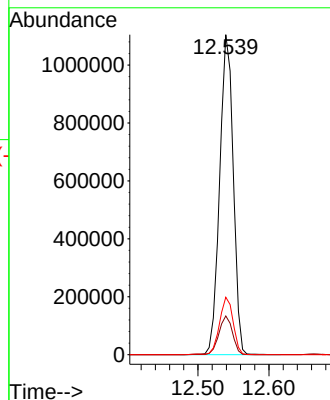
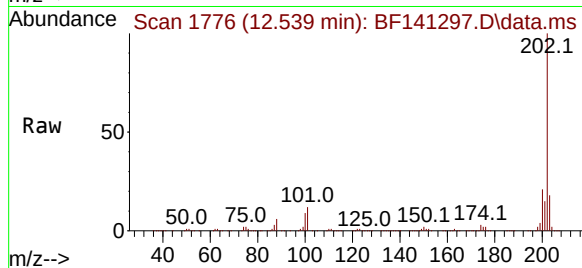




#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

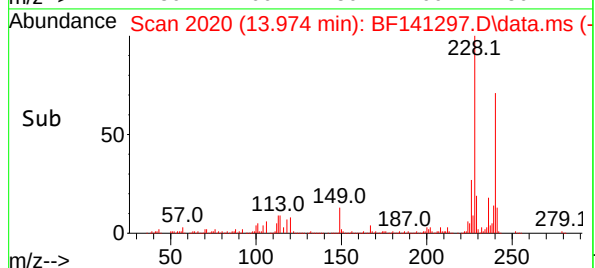
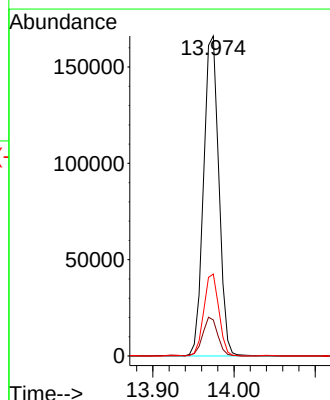
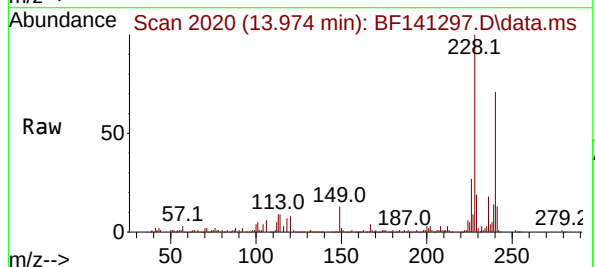
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

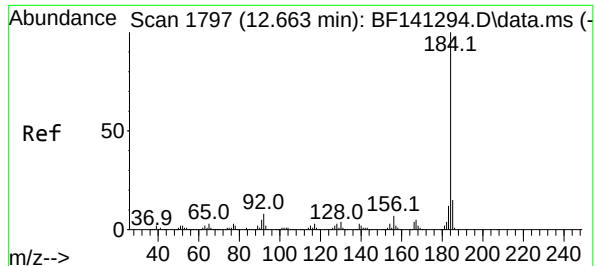
Tgt Ion:202 Resp: 1463196
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592
Ion Ratio Lower Upper
240 100
120 11.2 10.0 15.0
236 25.6 19.7 29.5

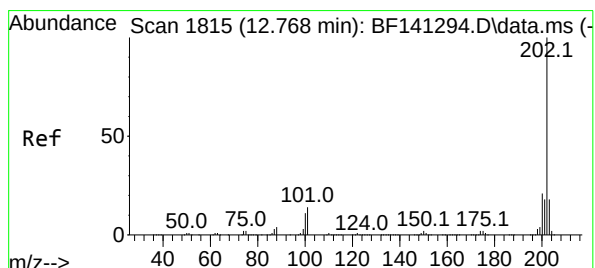
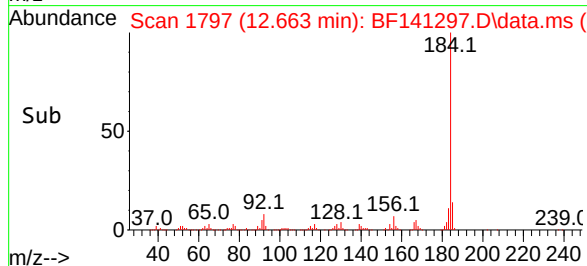
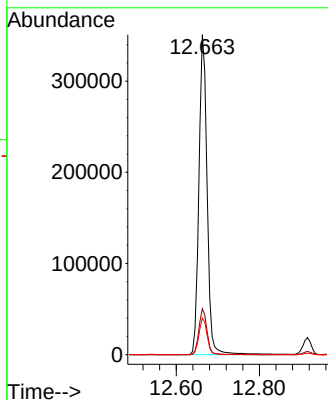
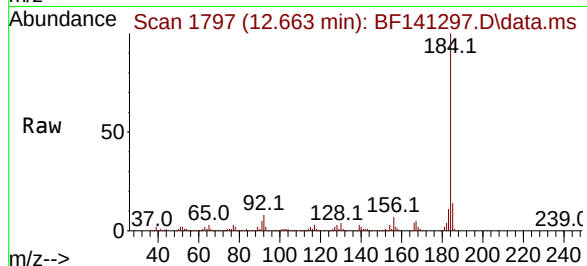




#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

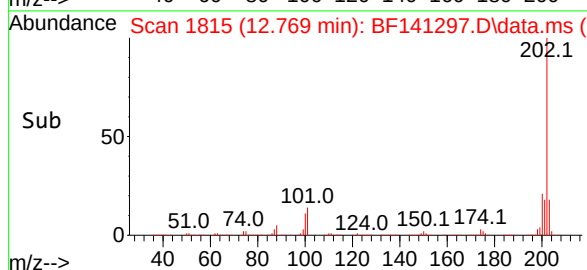
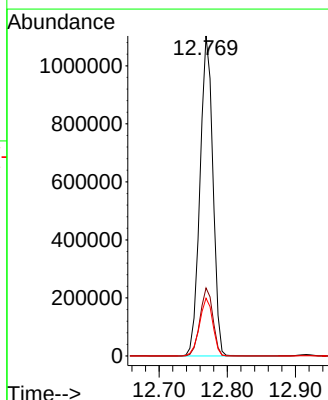
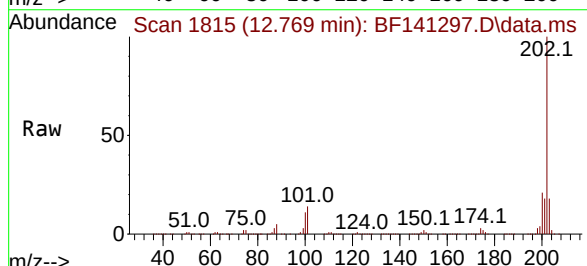
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

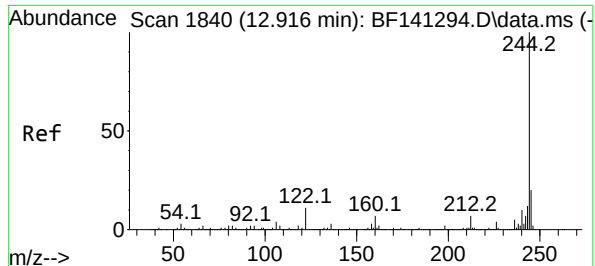
Tgt Ion:184 Resp: 481470
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.5 14.3



#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:202 Resp: 1450076
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 132.741 ng

RT: 12.916 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

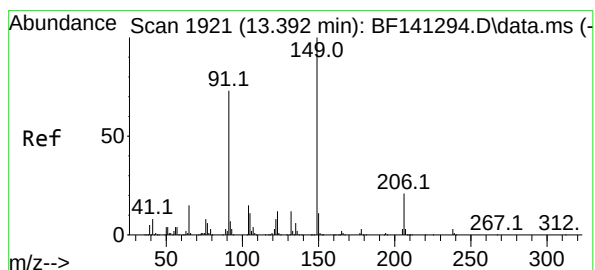
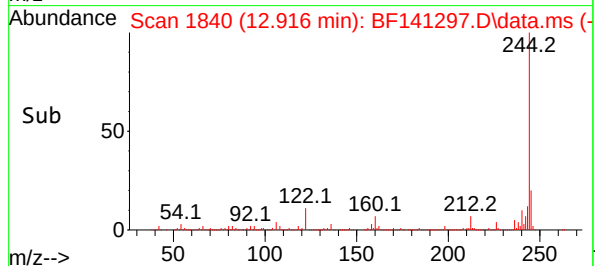
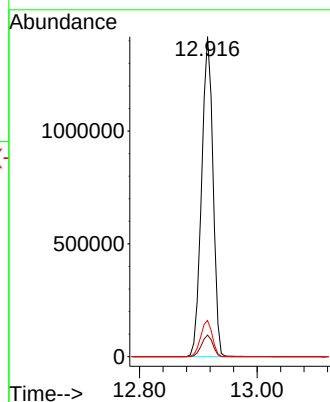
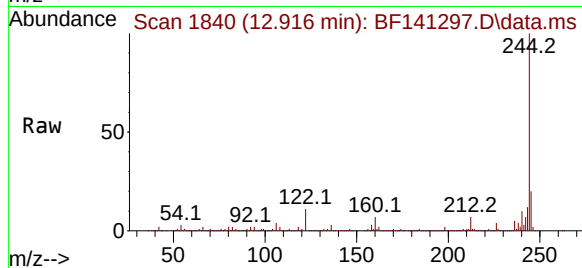
Tgt Ion:244 Resp: 1910783

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 71.721 ng

RT: 13.392 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

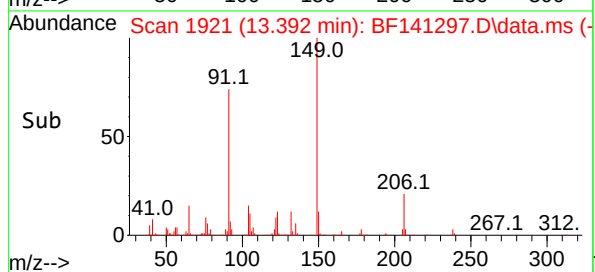
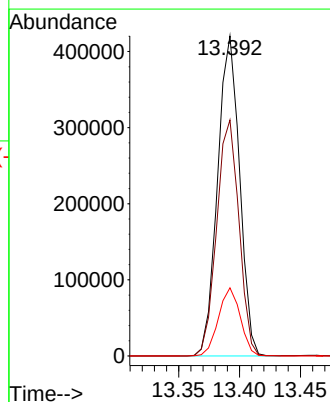
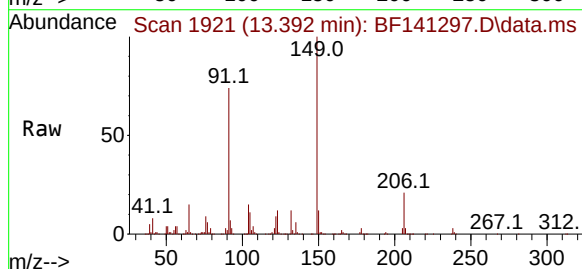
Tgt Ion:149 Resp: 528754

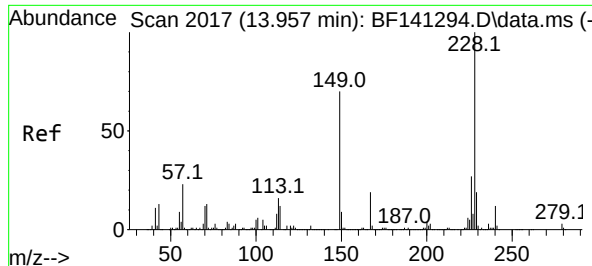
Ion Ratio Lower Upper

149 100

91 73.8 58.6 87.8

206 21.3 16.7 25.1

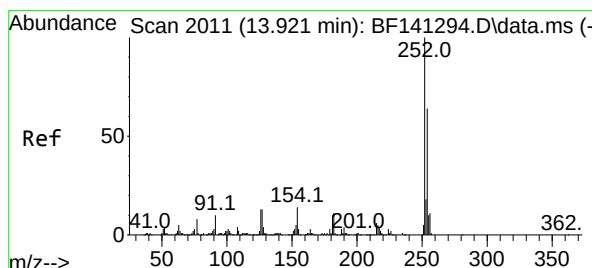
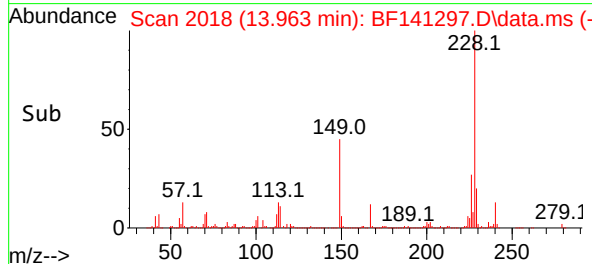
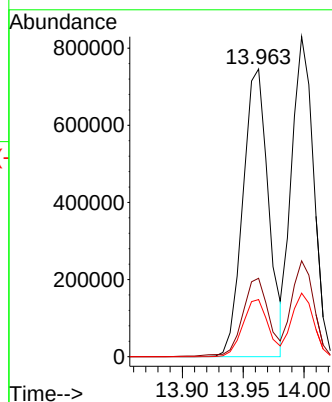
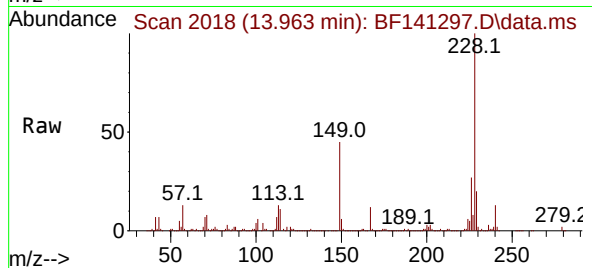




#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

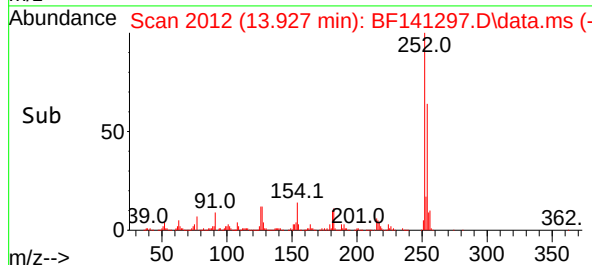
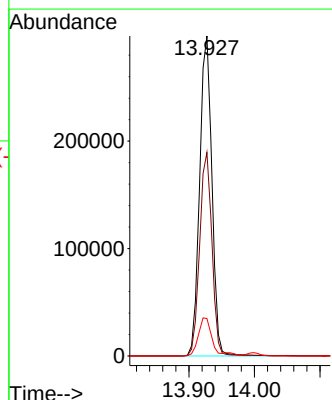
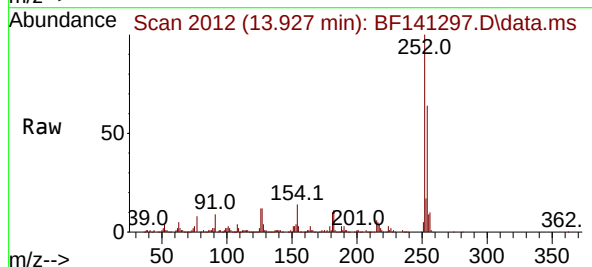
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

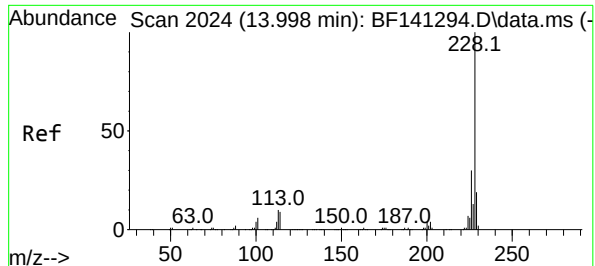
Tgt Ion:228 Resp: 1095972
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.8 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044
Ion Ratio Lower Upper
252 100
254 63.6 51.3 76.9
126 11.7 10.0 15.0

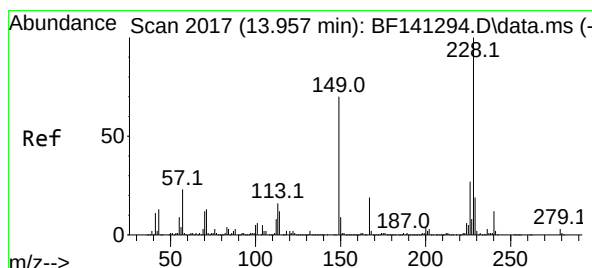
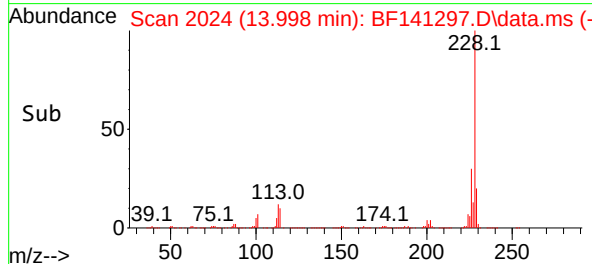
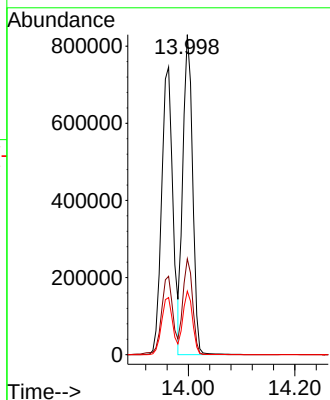
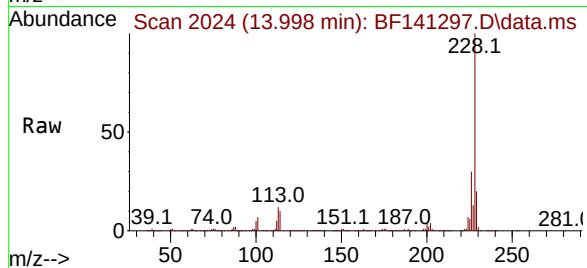




#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

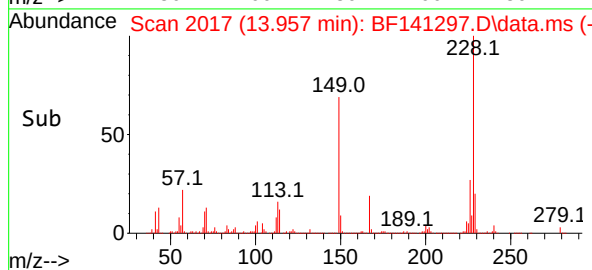
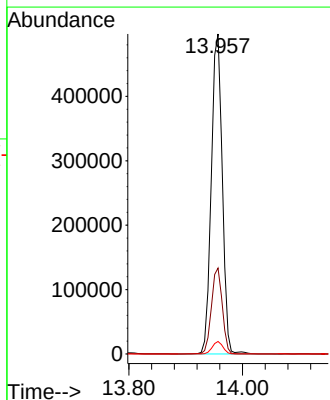
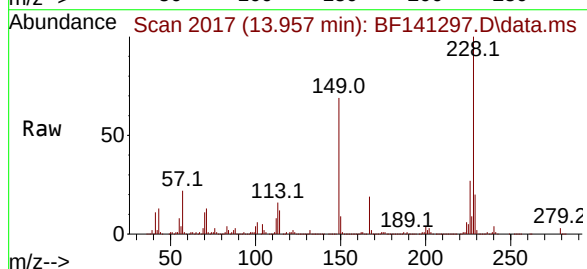
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

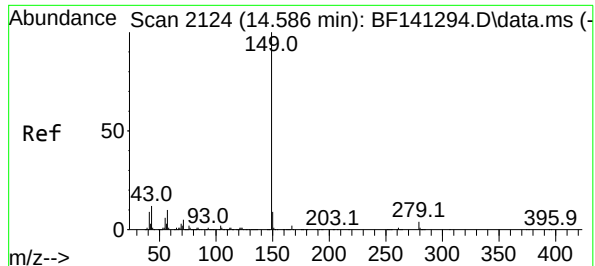
Tgt Ion:228 Resp: 1048083
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.9 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151
Ion Ratio Lower Upper
149 100
167 26.8 21.8 32.8
279 3.9 3.3 4.9

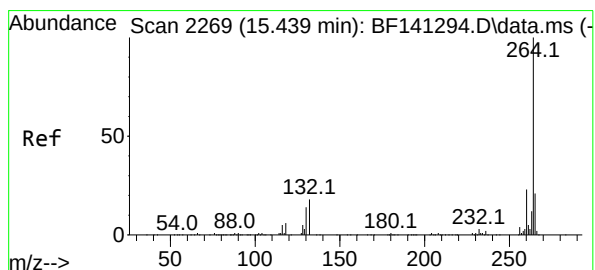
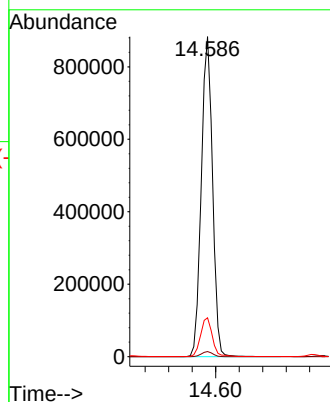
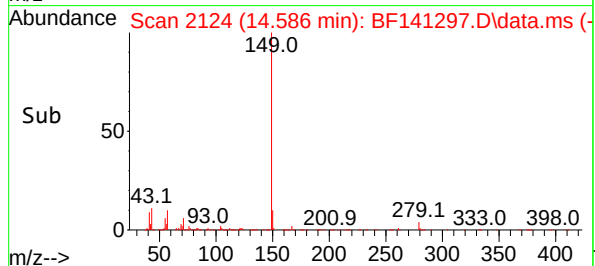
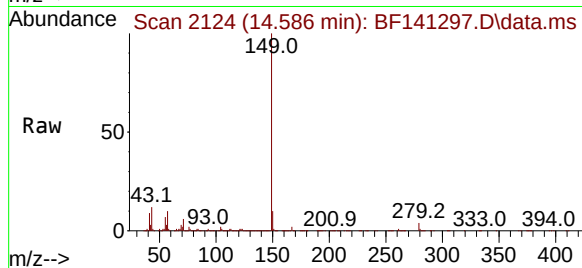




#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

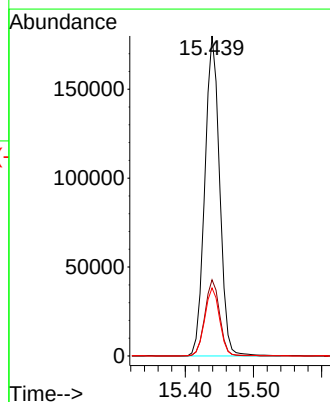
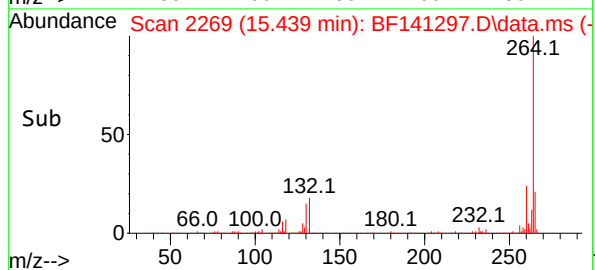
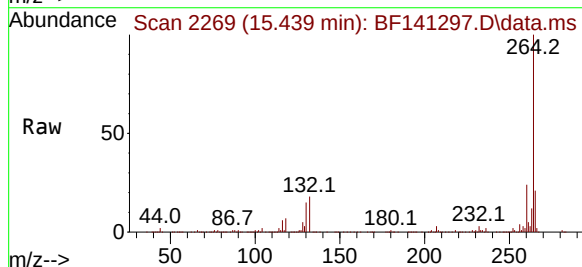
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

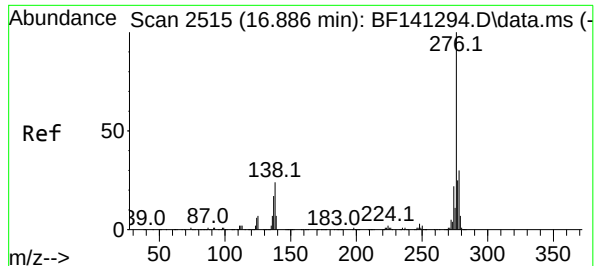
Tgt Ion:149 Resp: 1171131
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.7 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.3 16.7 25.1

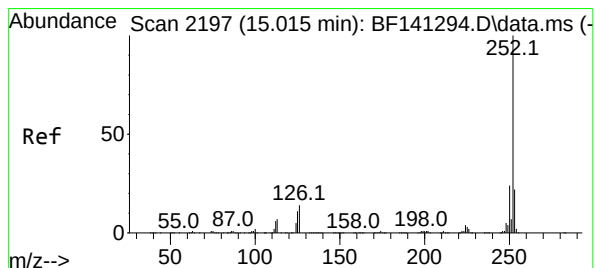
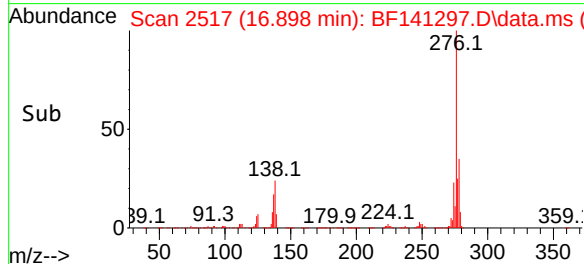
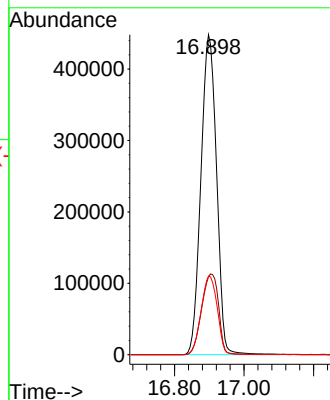
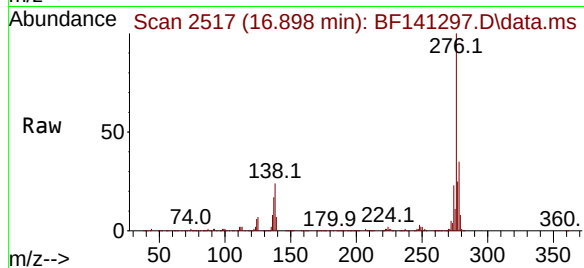




#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

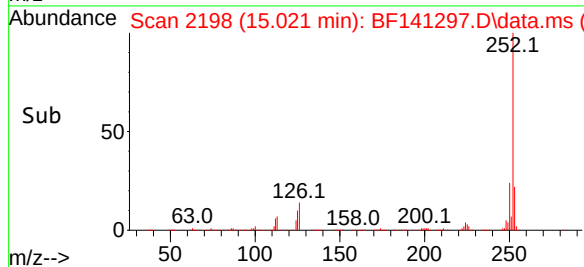
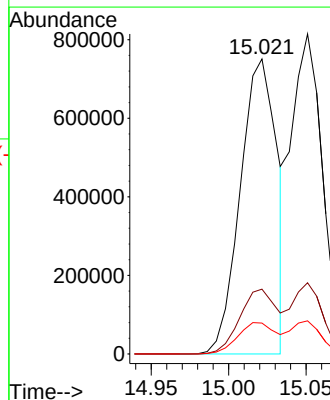
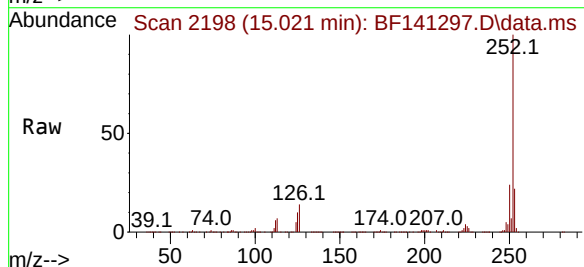
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

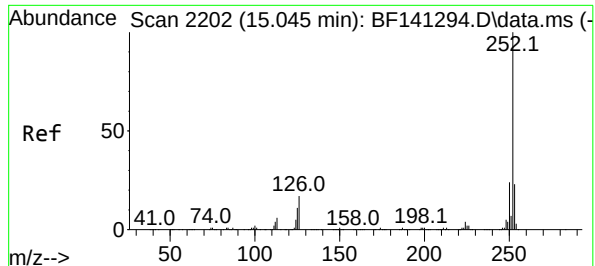
Tgt Ion:276 Resp: 1399119
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.5 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 75.010 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

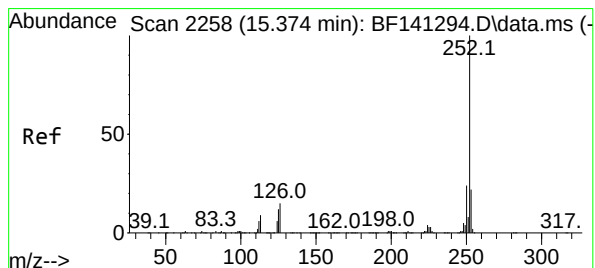
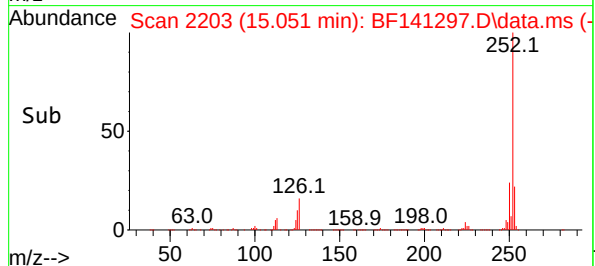
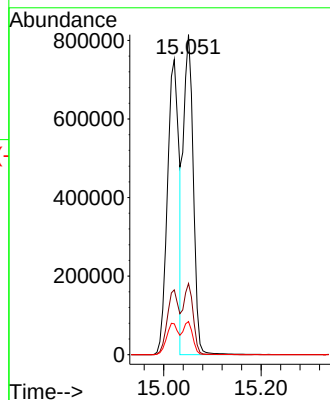
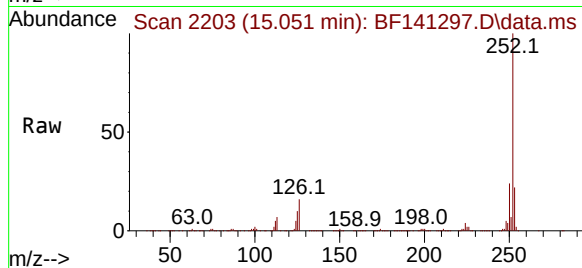
Tgt Ion:252 Resp: 1146296

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.4 8.4 12.6



#90

Benzo(a)pyrene

Concen: 75.410 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF141297.D

Acq: 29 Jan 2025 17:05

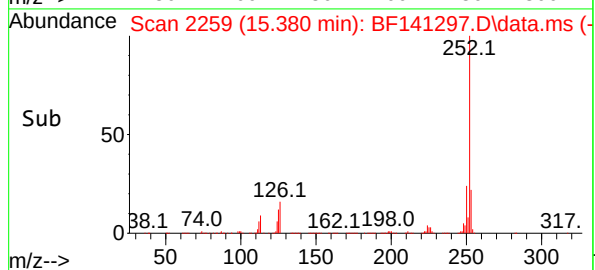
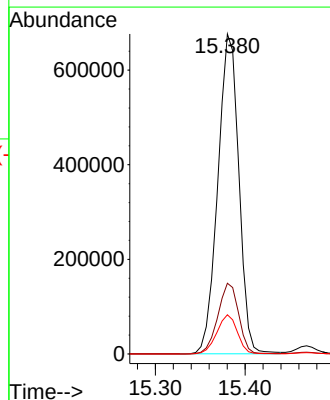
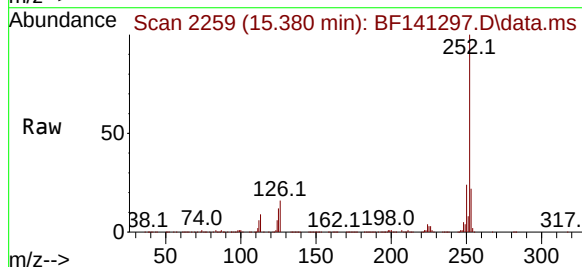
Tgt Ion:252 Resp: 1098491

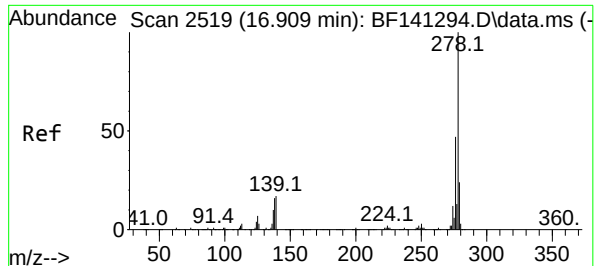
Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 12.3 9.4 14.2

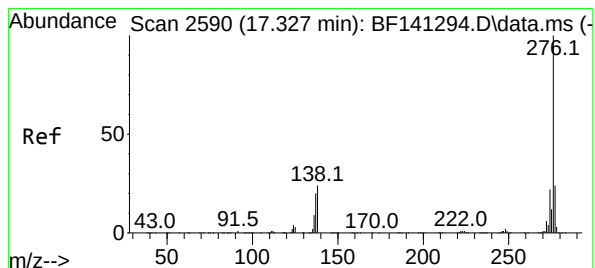
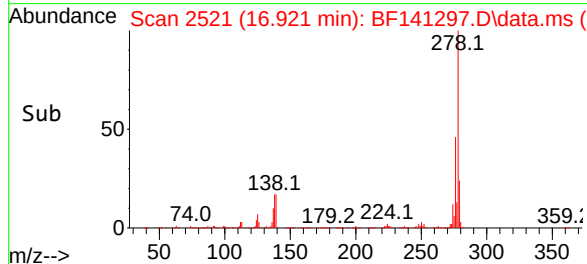
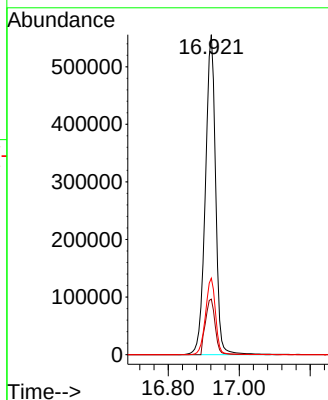
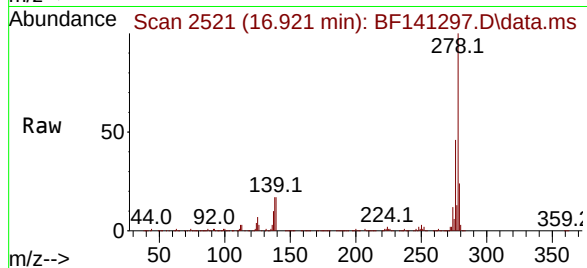




#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2521
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

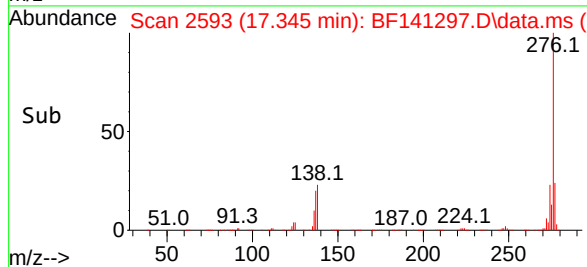
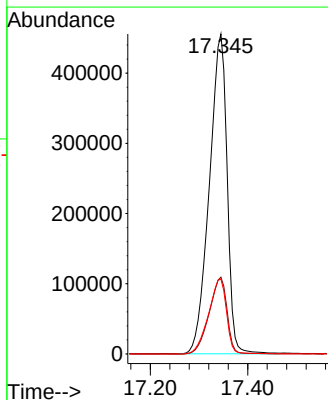
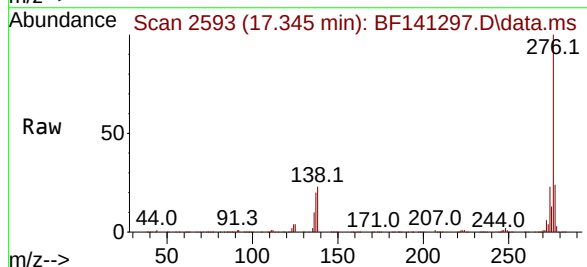
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.9 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 23.4 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Manual Integrations
 APPROVED

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

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

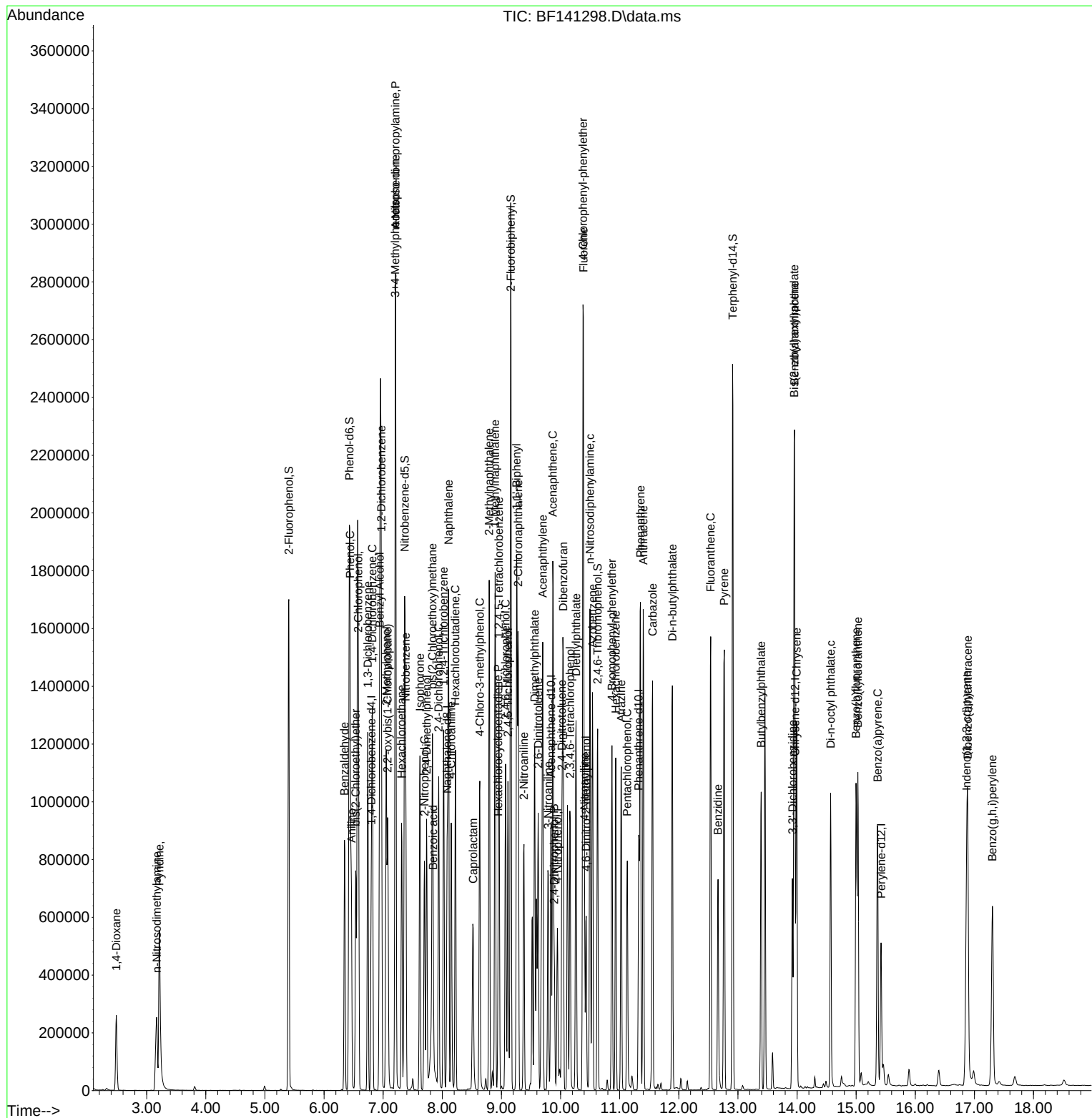
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng	100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng	100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng	100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng	98
49) Acenaphthylene	9.698	152	890709	37.416	ng	100
50) Dimethylphthalate	9.563	163	697300	36.904	ng	100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng	99
52) Acenaphthene	9.869	154	632756	37.206	ng	99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng	98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	# 85
55) Dibenzofuran	10.045	168	842555	37.012	ng	100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng	99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng	99
58) Fluorene	10.386	166	643639	36.451	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng	99
60) Diethylphthalate	10.263	149	683674	37.316	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng	99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng	99
63) Azobenzene	10.539	77	678905	37.020	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng	99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng	98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng	99
69) Atrazine	11.028	200	190958	39.215	ng	99
70) Pentachlorophenol	11.128	266	128300	40.973	ng	99
71) Phenanthrene	11.351	178	922625	38.117	ng	100
72) Anthracene	11.398	178	912703	38.484	ng	100
73) Carbazole	11.557	167	813036	38.661	ng	100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng	100
75) Fluoranthene	12.539	202	902637	37.768	ng	100
77) Benzidine	12.663	184	405163	49.142	ng	99
78) Pyrene	12.769	202	894269	36.225	ng	99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng	99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng	99
83) Chrysene	13.992	228	610038	37.508	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng	100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng	99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng	100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng	99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng	99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng	99

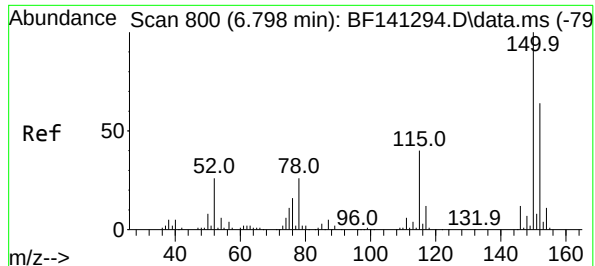
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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Supervised By :mohammad ahmed 02/04/2025





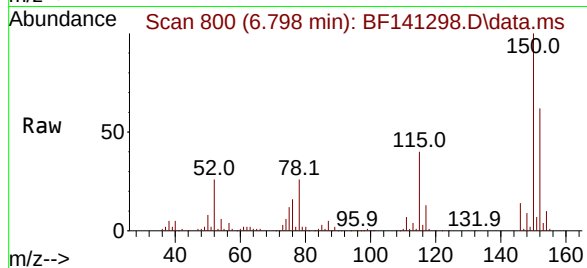
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

Client Sample Id :

ICVBF012925

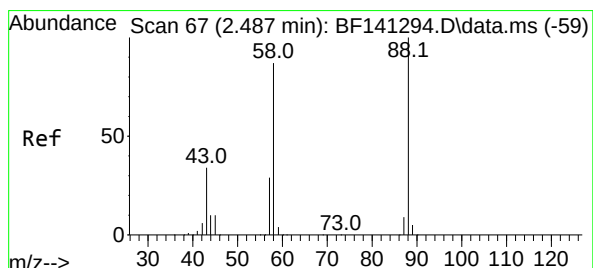
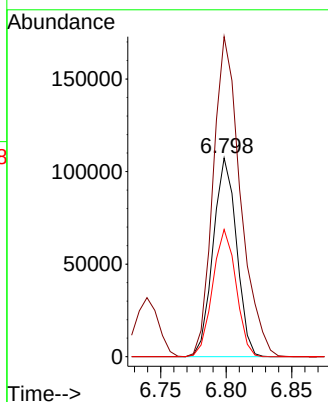
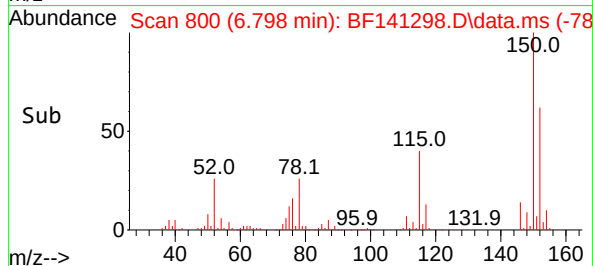


Tgt Ion: 152 Resp: 133318
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 64.0 49.7 74.5

Manual Integrations

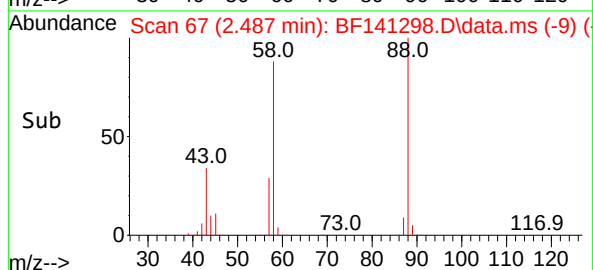
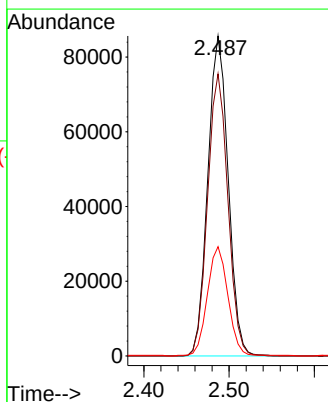
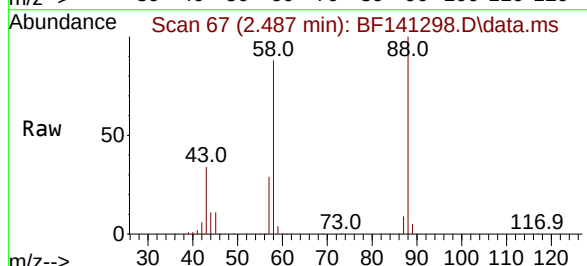
APPROVED

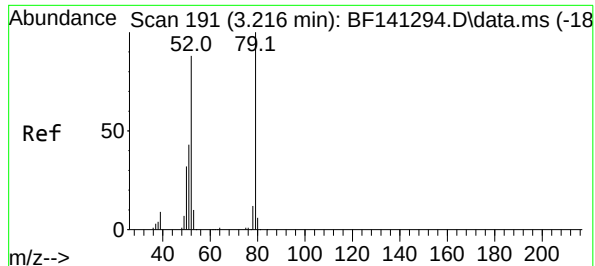
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

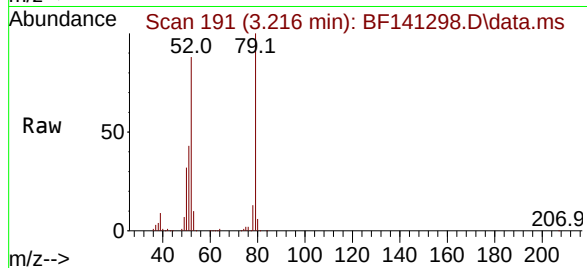
Tgt Ion: 88 Resp: 142440
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.4
43 34.7 27.6 41.4





#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 191
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

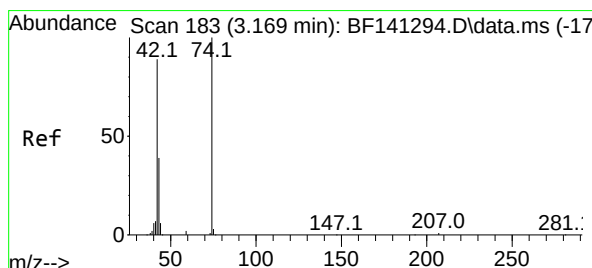
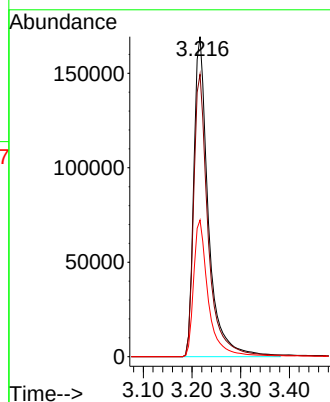
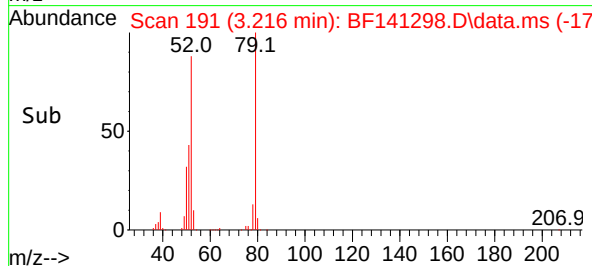
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 79 Resp: 353478
Ion Ratio Lower Upper
79 100
52 88.3 70.3 105.5
51 42.7 34.3 51.5

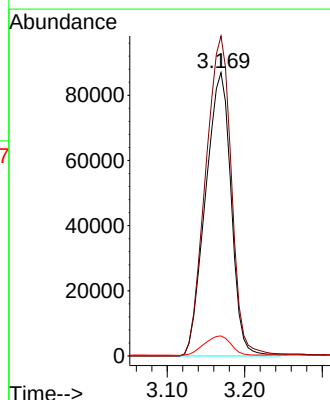
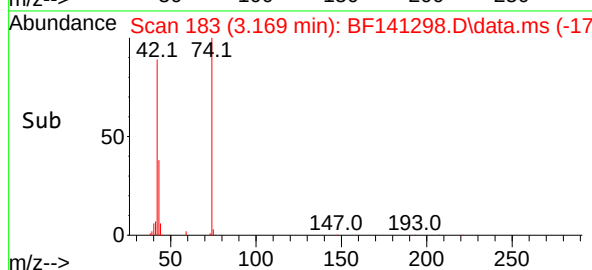
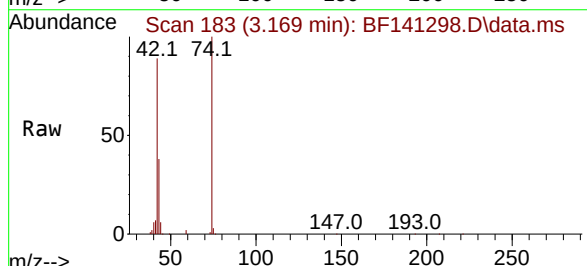
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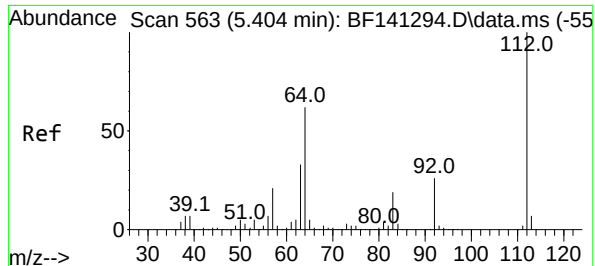
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

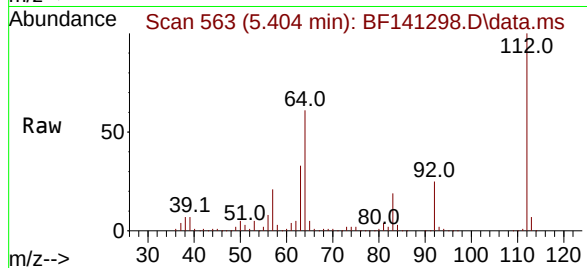
Tgt Ion: 42 Resp: 199637
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 7.1 5.7 8.5





#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

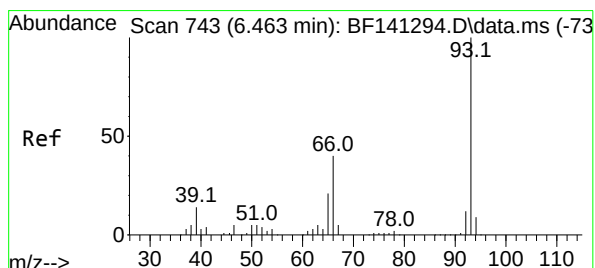
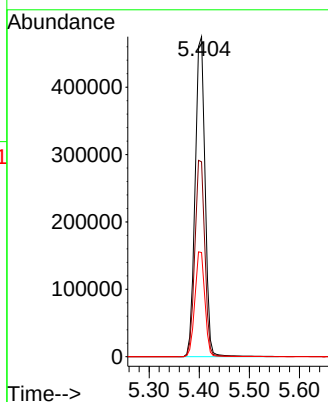
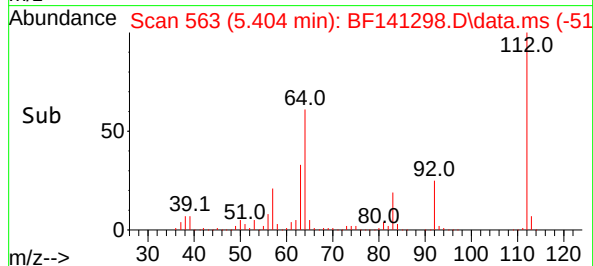
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:112 Resp: 650985
Ion Ratio Lower Upper
112 100
64 60.9 49.8 74.8
63 32.6 26.1 39.1

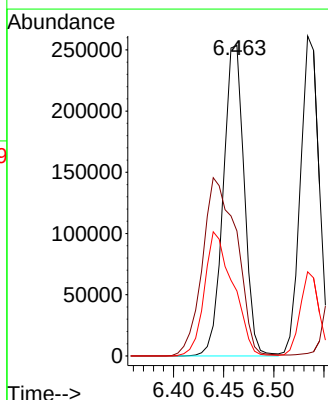
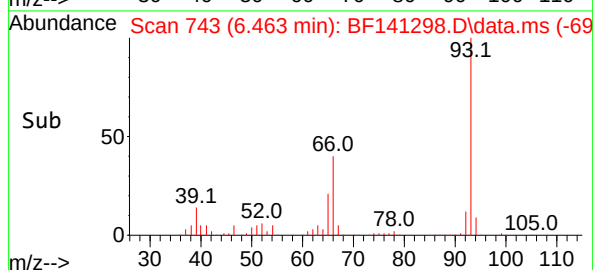
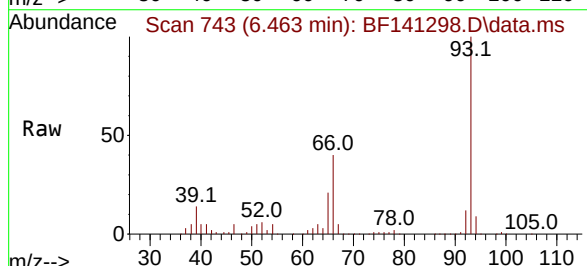
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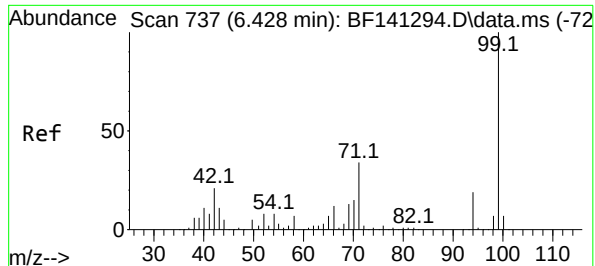
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

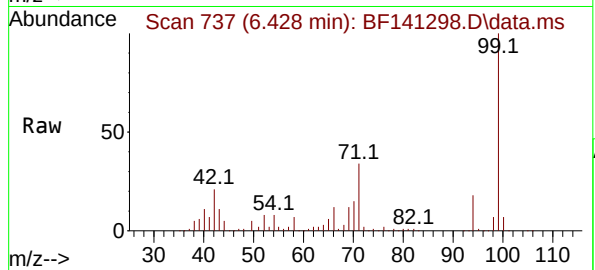
Tgt Ion: 93 Resp: 368792
Ion Ratio Lower Upper
93 100
66 40.3 32.5 48.7
65 20.9 17.0 25.6





#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

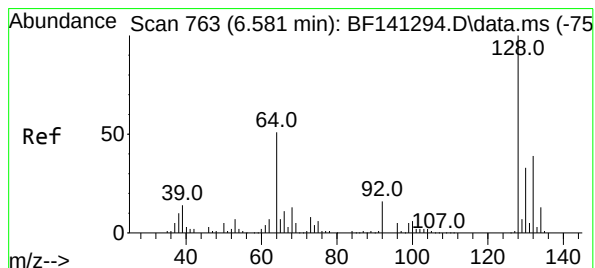
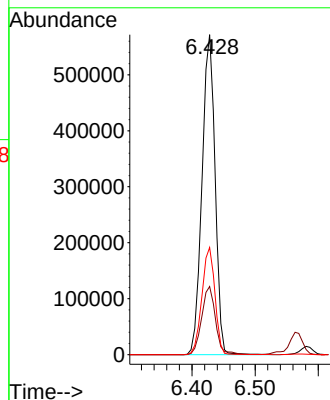
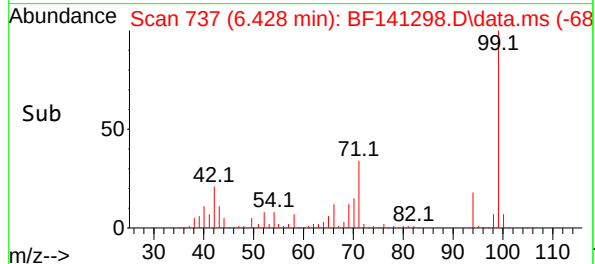
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 99 Resp: 824574
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 33.5 26.9 40.3

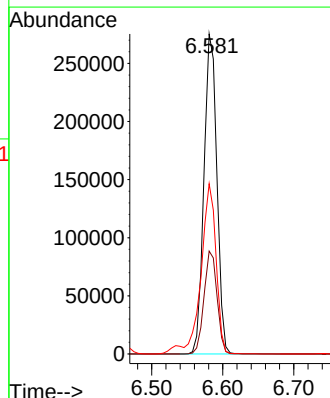
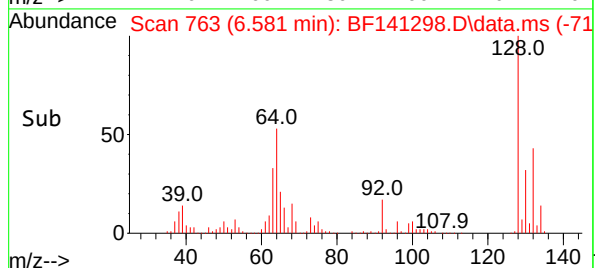
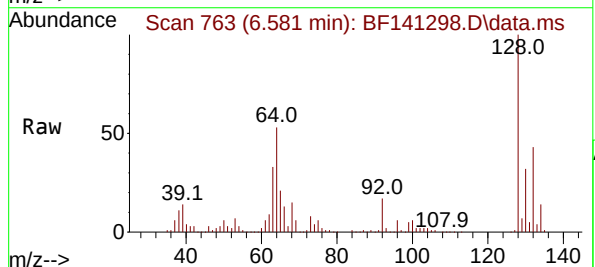
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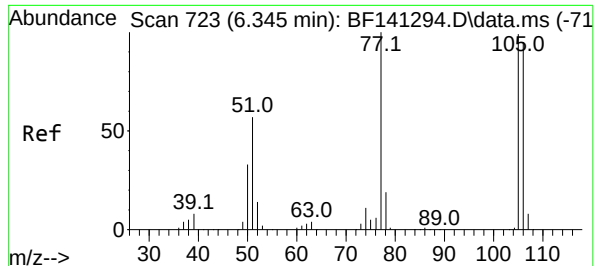
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085
Ion Ratio Lower Upper
128 100
130 32.1 12.5 52.5
64 53.2 32.9 72.9





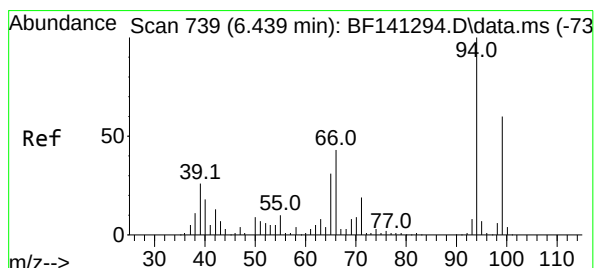
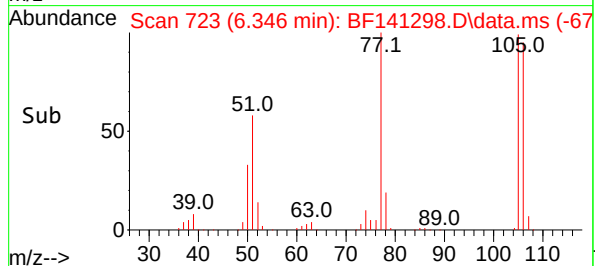
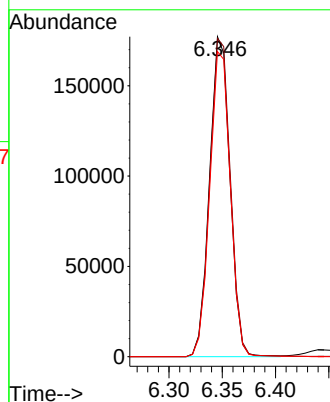
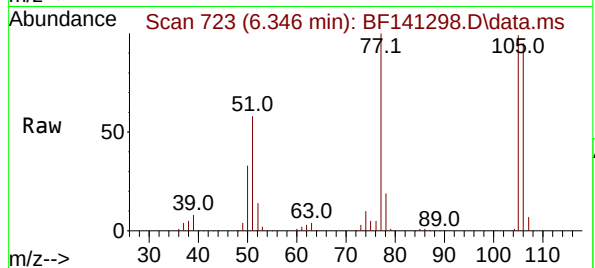
#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion: 77 Resp: 23653
Ion Ratio Lower Upper
77 100
105 99.5 79.4 119.4
106 95.3 74.6 114.6

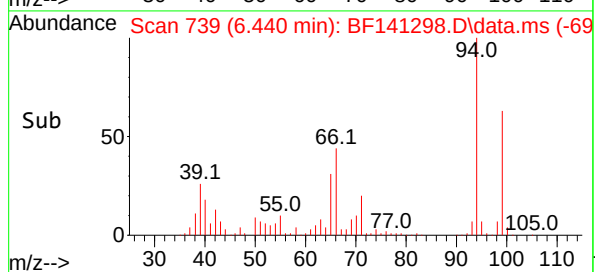
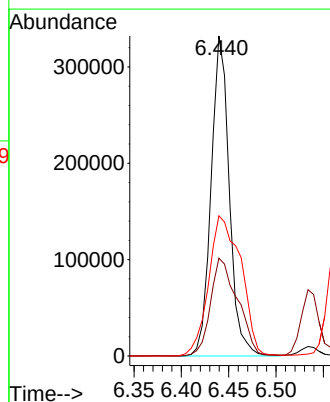
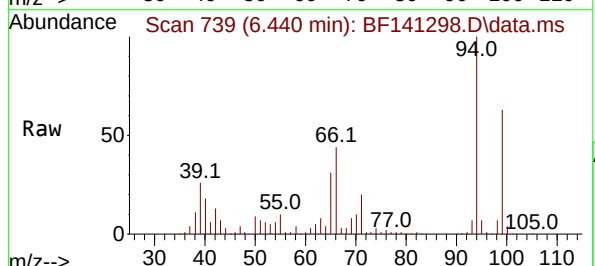
Manual Integrations
APPROVED

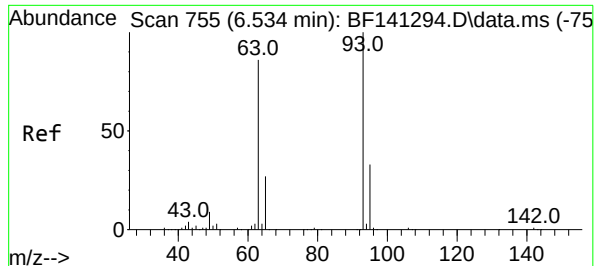
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695
Ion Ratio Lower Upper
94 100
65 30.5 10.8 50.8
66 43.8 23.3 63.3





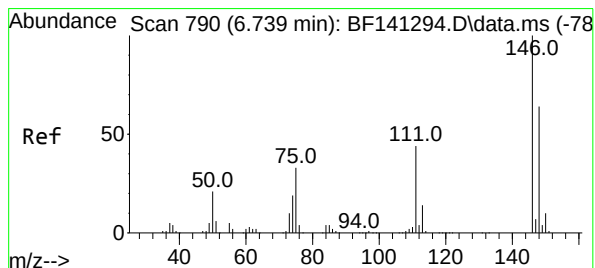
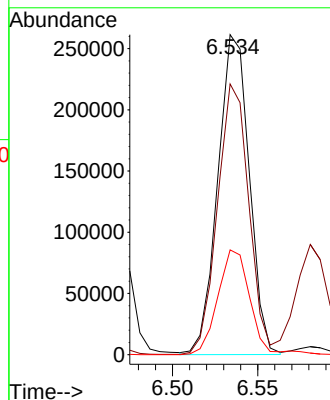
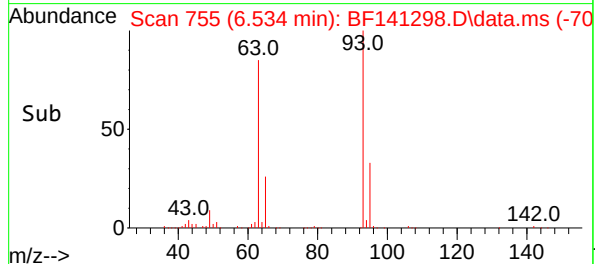
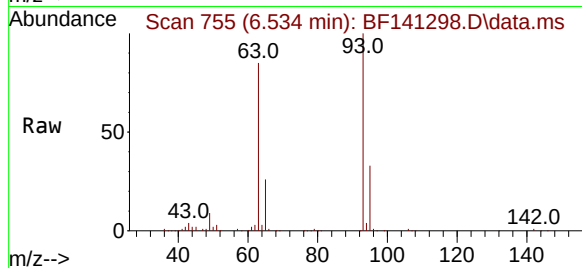
#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
Client Sample Id :
ICVBF012925

Tgt Ion: 93 Resp: 335702
Ion Ratio Lower Upper
93 100
63 84.6 65.0 105.0
95 32.8 12.4 52.4

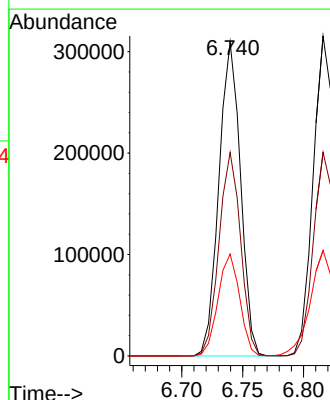
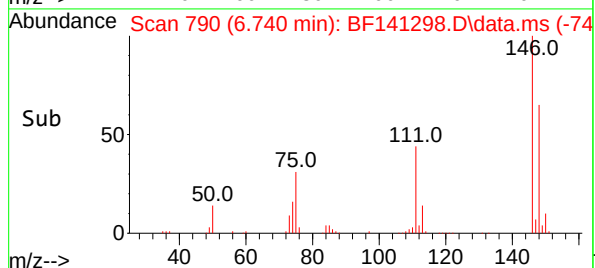
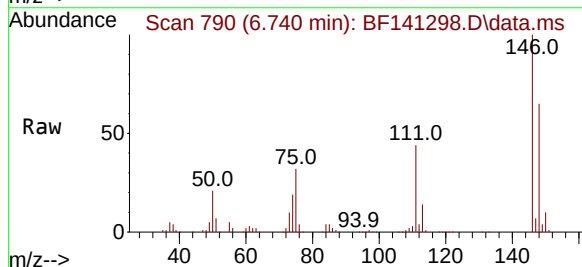
Manual Integrations
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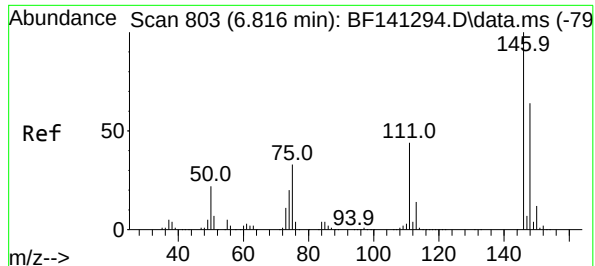
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
75 32.4 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.885 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:146 Resp: 39059

Ion Ratio Lower Upper

146 100

148 63.6 51.2 76.8

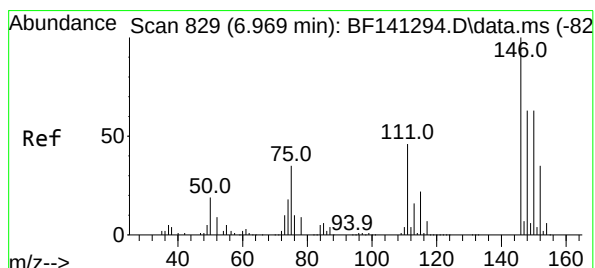
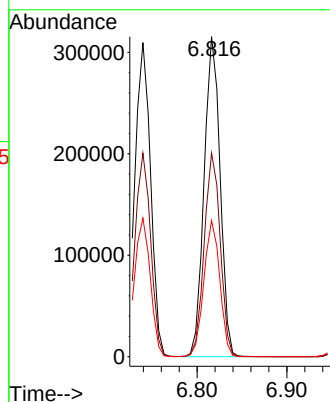
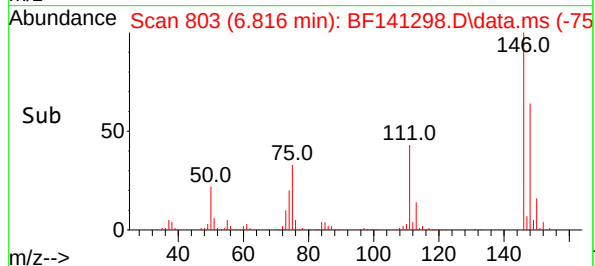
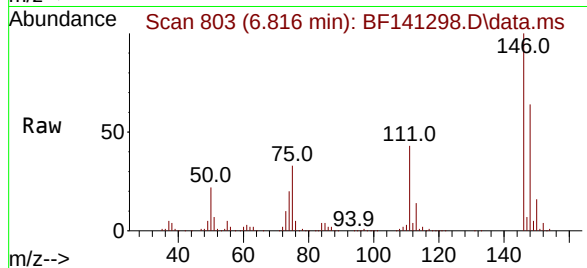
111 42.5 35.0 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 37.241 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

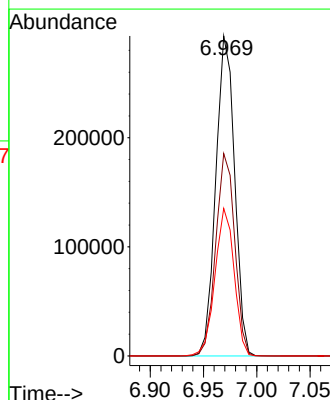
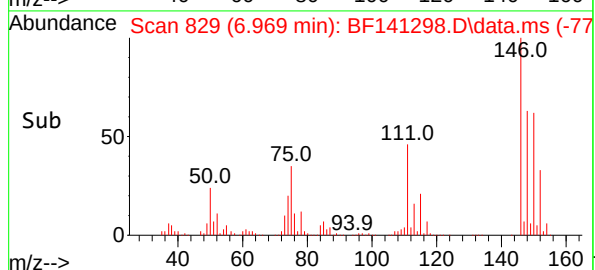
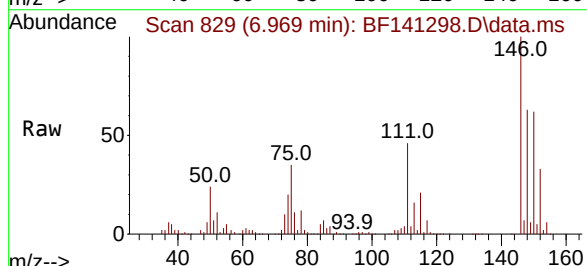
Tgt Ion:146 Resp: 359529

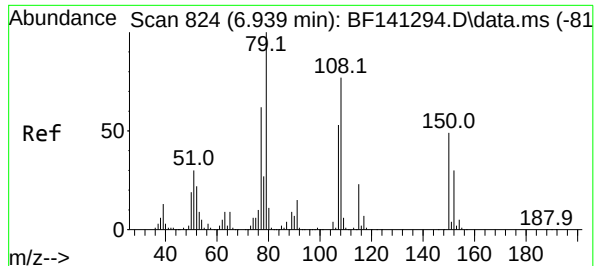
Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

111 46.1 36.6 55.0





#15

Benzyl Alcohol

Concen: 37.952 ng

RT: 6.940 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 79 Resp: 286519

Ion Ratio Lower Upper

79 100

108 76.8 61.4 92.0

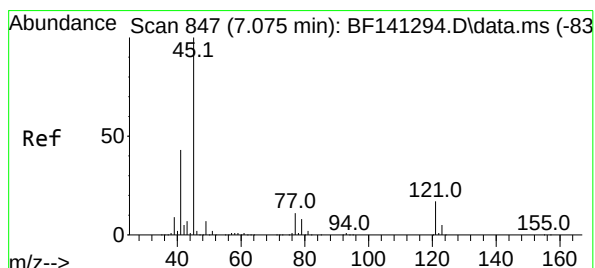
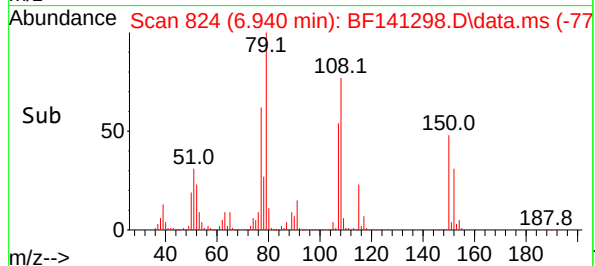
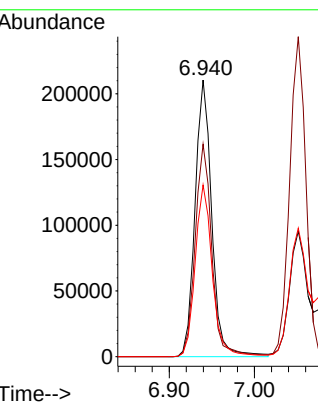
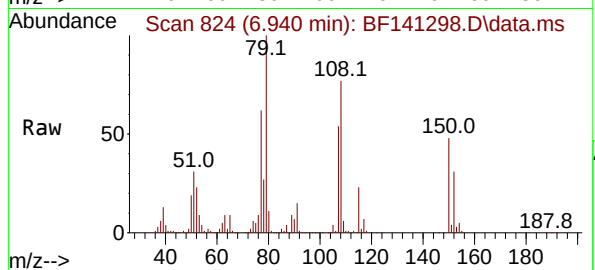
77 62.0 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.636 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

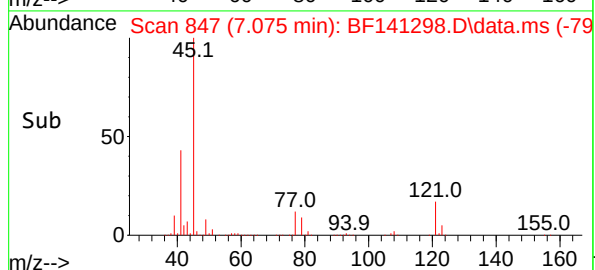
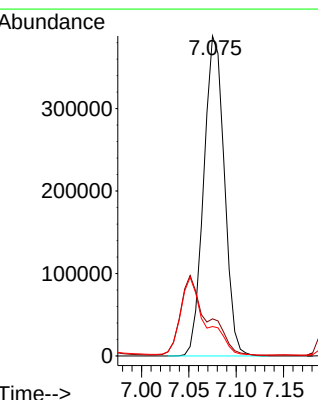
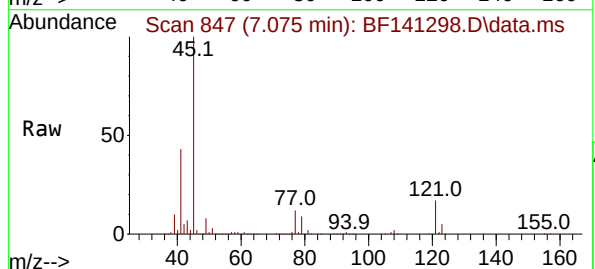
Tgt Ion: 45 Resp: 587637

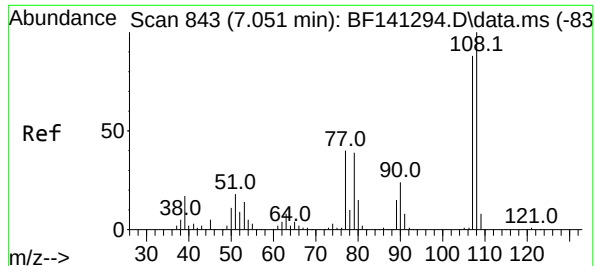
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.8

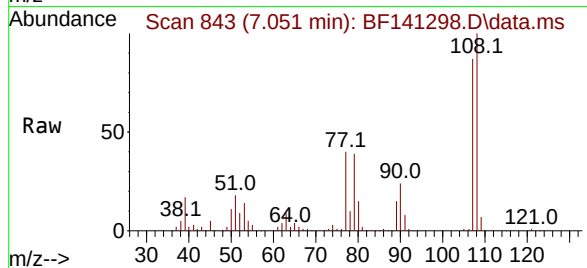
79 9.2 0.0 29.1





#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

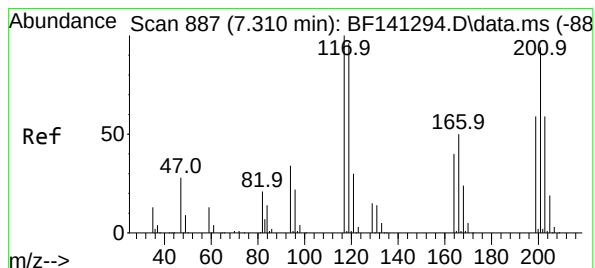
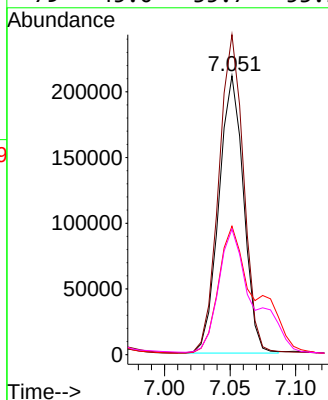
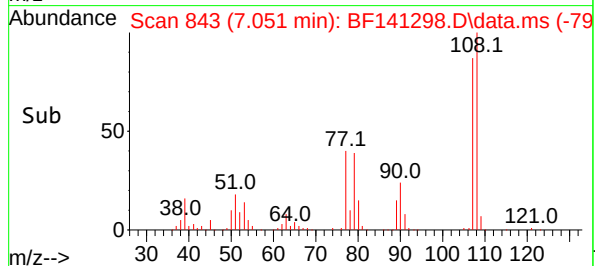
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



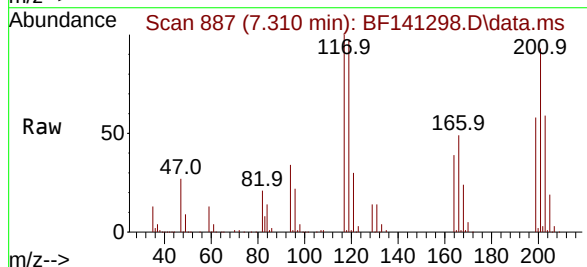
Tgt Ion:107 Resp: 276450
Ion Ratio Lower Upper
107 100
108 114.8 90.8 136.2
77 46.1 36.2 54.4
79 45.0 35.7 53.5

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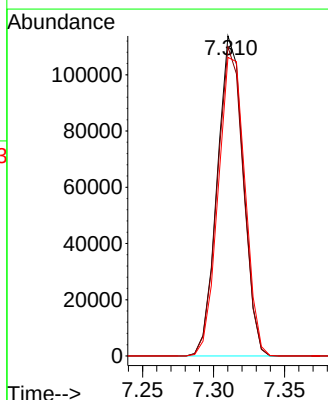
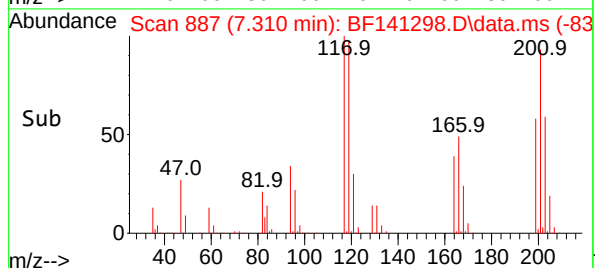
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

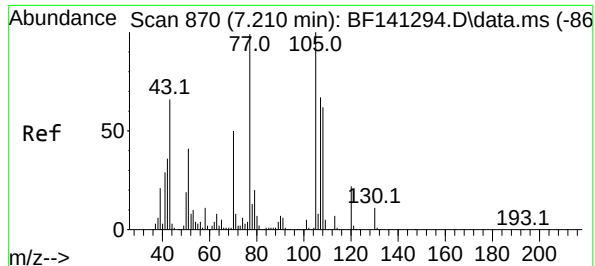


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:117 Resp: 144890
Ion Ratio Lower Upper
117 100
119 96.6 76.6 114.8
201 93.3 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 36.848 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 70 Resp: 241878

Ion Ratio Lower Upper

70 100

42 71.3 56.8 85.2

101 9.8 7.7 11.5

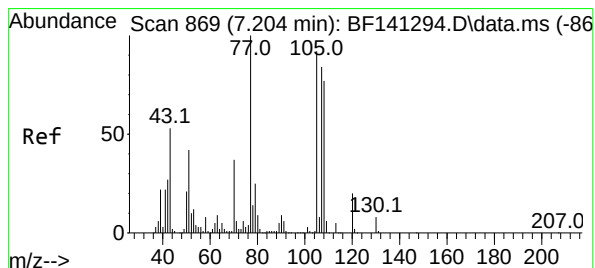
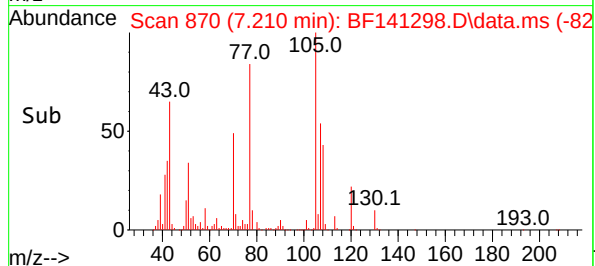
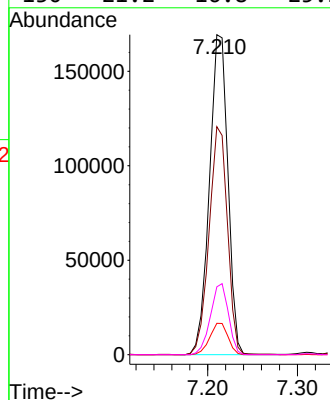
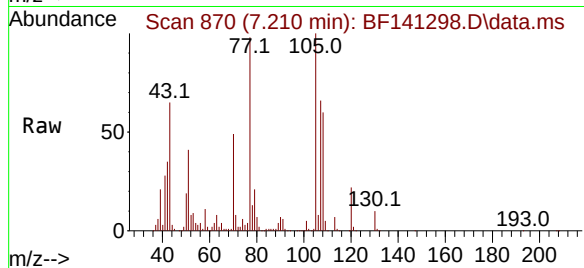
130 21.2 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#20

3+4-Methylphenols

Concen: 37.364 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

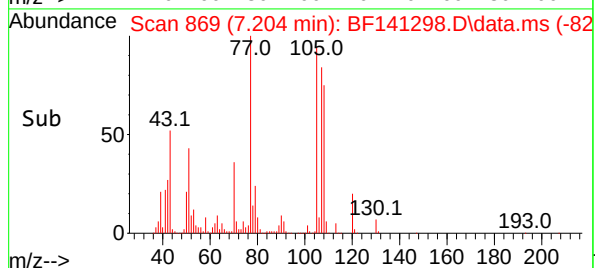
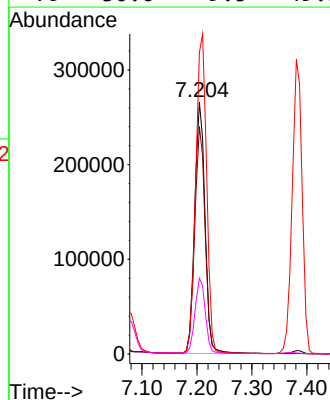
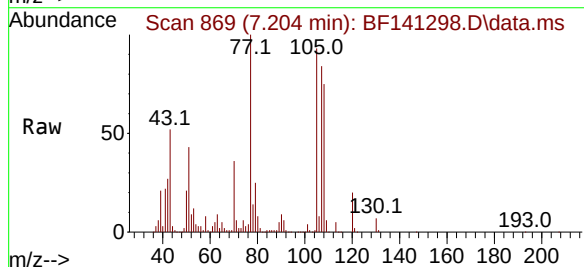
Ion Ratio Lower Upper

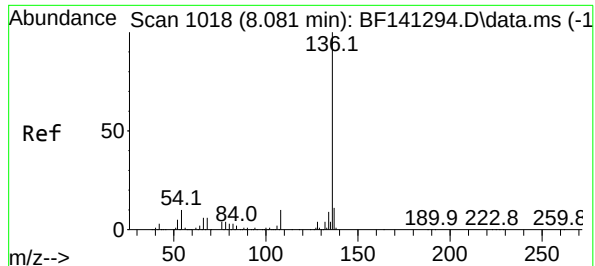
107 100

108 90.2 70.9 110.9

77 119.7 98.5 138.5

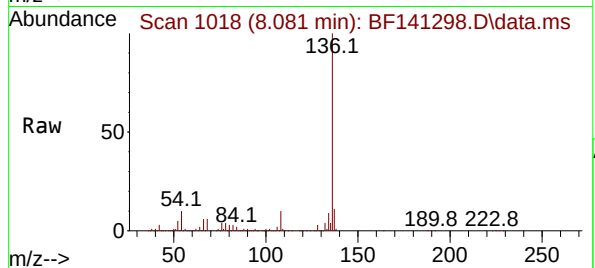
79 30.0 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

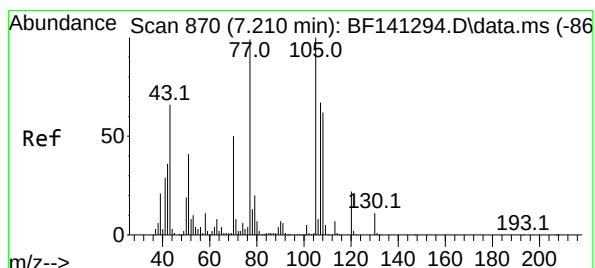
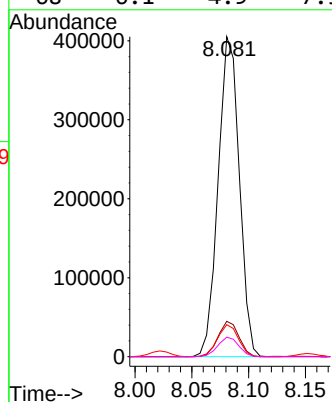
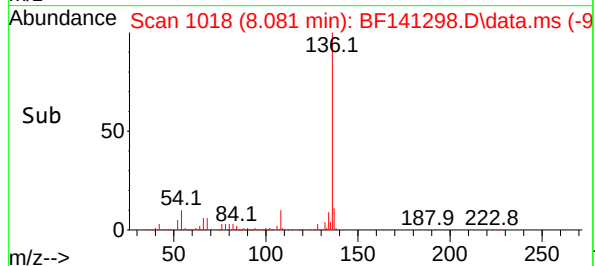
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:136 Resp: 525644
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 7.8 11.8
68 6.1 4.9 7.3

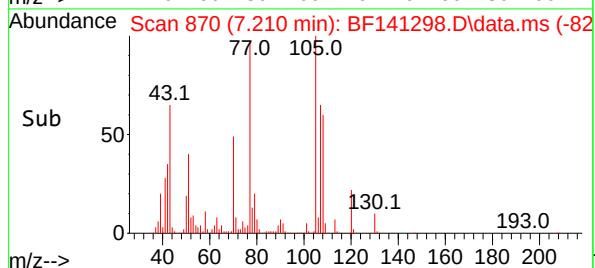
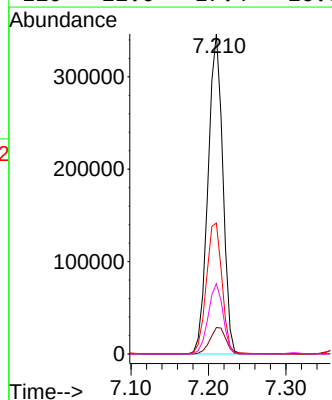
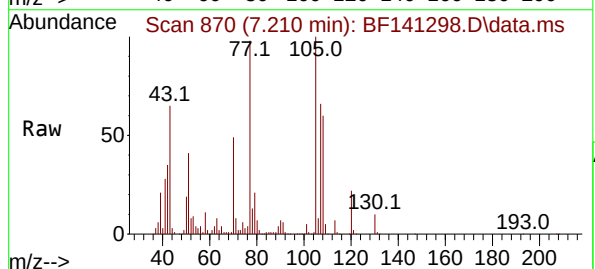
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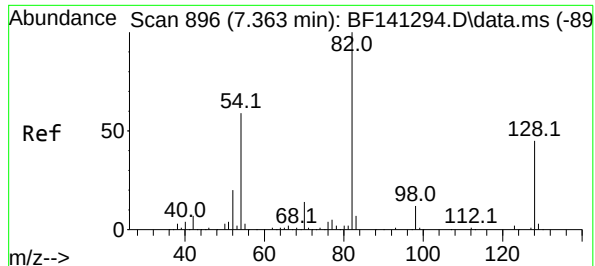
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757
Ion Ratio Lower Upper
105 100
71 8.3 6.8 10.2
51 40.9 32.6 49.0
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 75.630 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion: 82 Resp: 754118

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

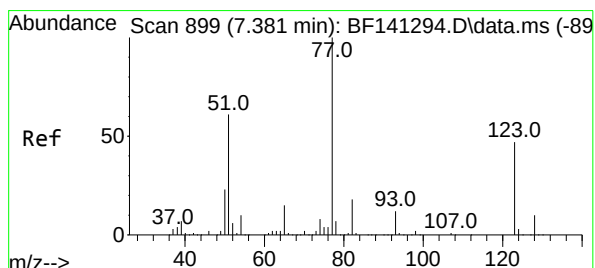
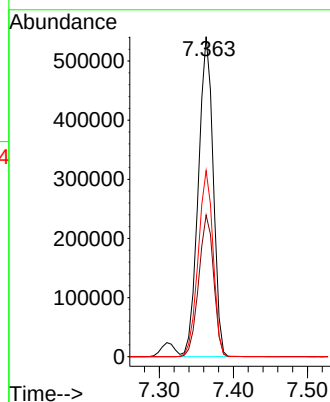
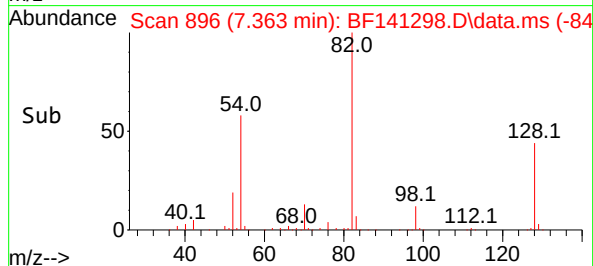
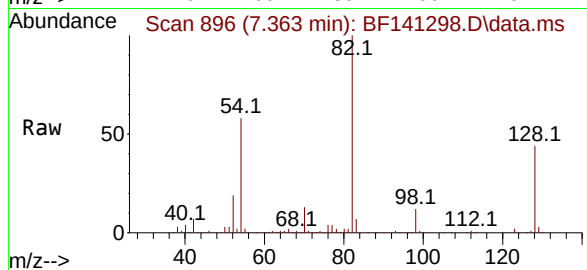
54 58.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#24

Nitrobenzene

Concen: 37.927 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

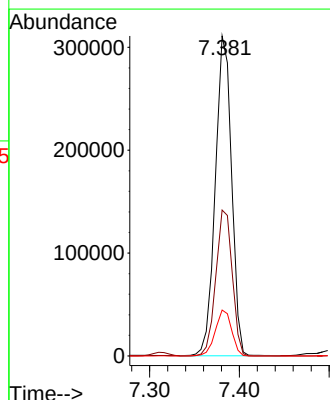
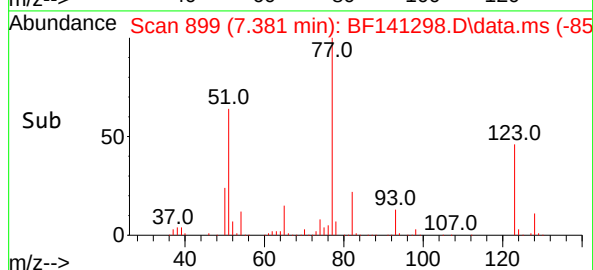
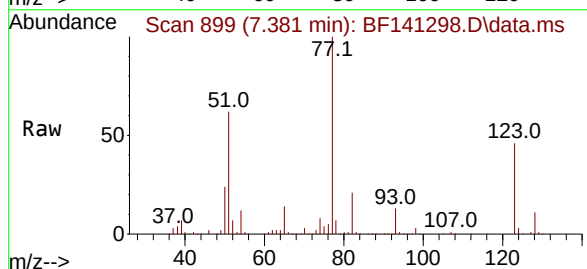
Tgt Ion: 77 Resp: 391907

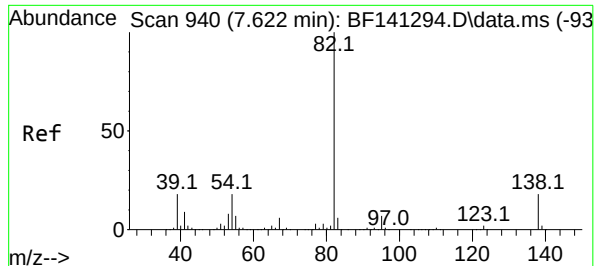
Ion Ratio Lower Upper

77 100

123 45.6 37.3 55.9

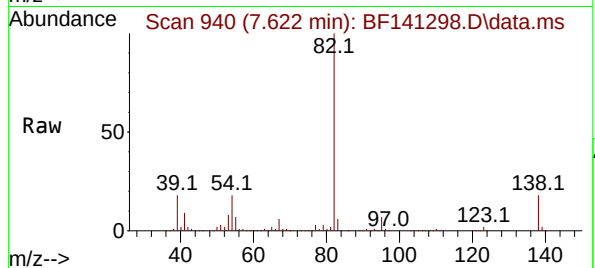
65 14.4 11.8 17.6





#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

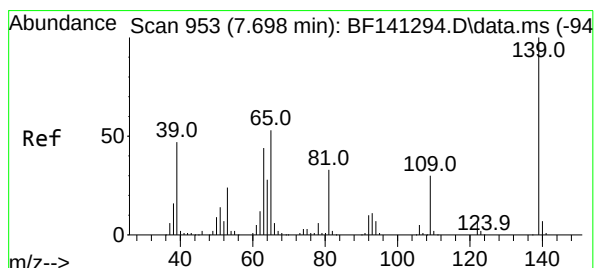
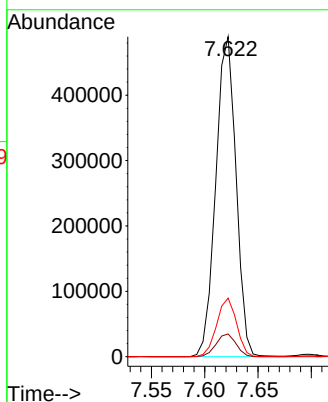
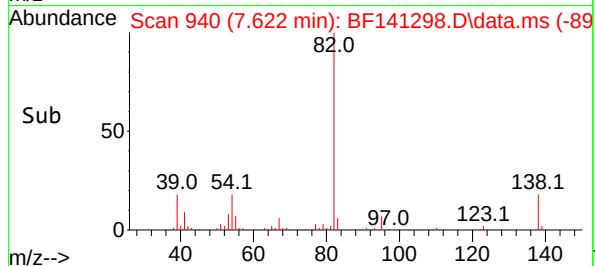
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion: 82 Resp: 645309
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.6
138 18.3 14.7 22.1

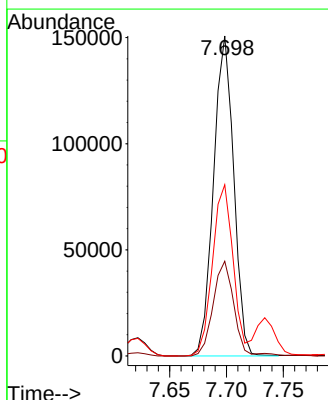
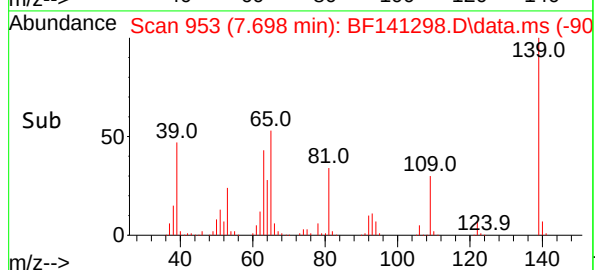
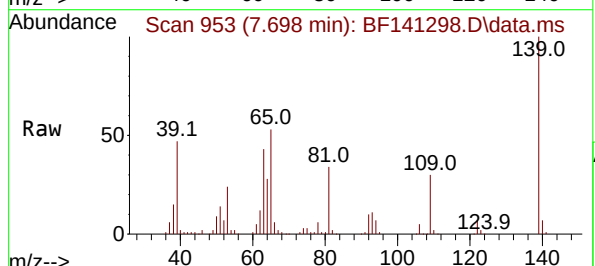
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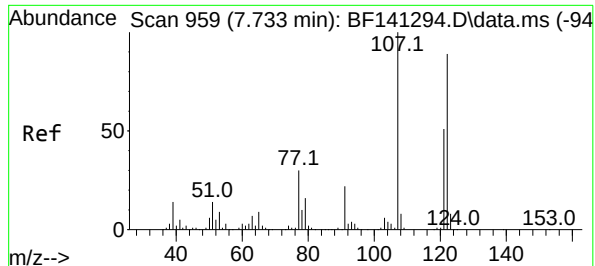
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592
Ion Ratio Lower Upper
139 100
109 29.6 23.8 35.6
65 53.5 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.055 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

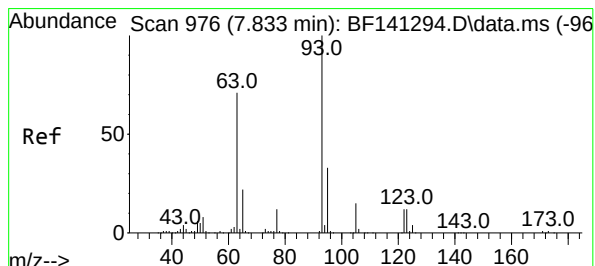
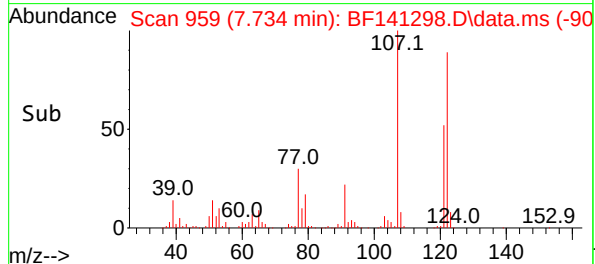
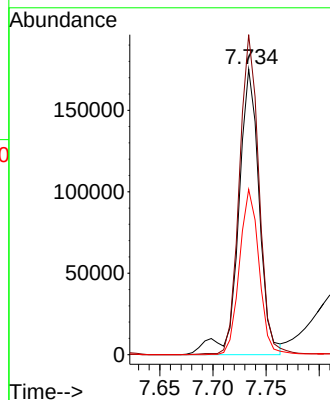
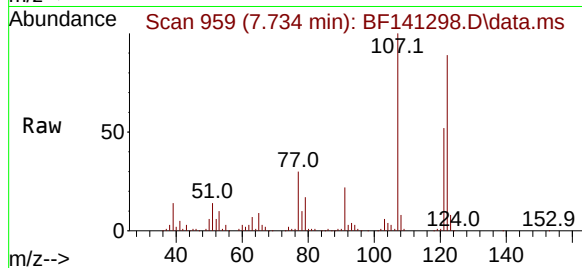
ICVBF012925

Tgt Ion:122 Resp: 236052
Ion Ratio Lower Upper
122 100
107 112.0 89.9 134.9
121 57.9 46.1 69.1

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

Concen: 37.460 ng

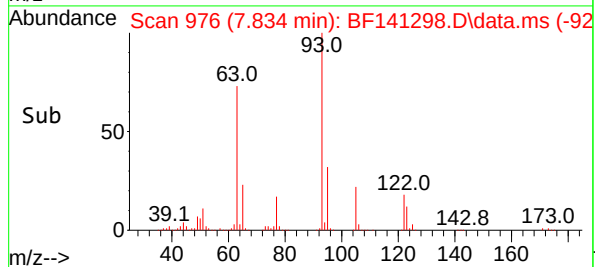
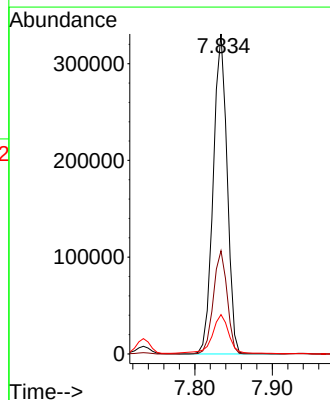
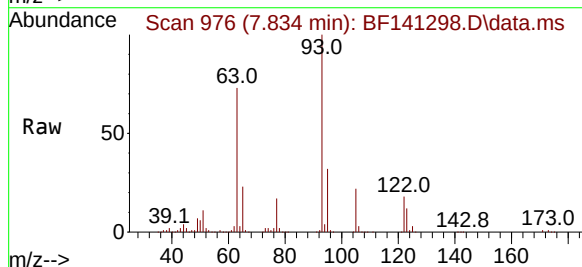
RT: 7.834 min Scan# 976

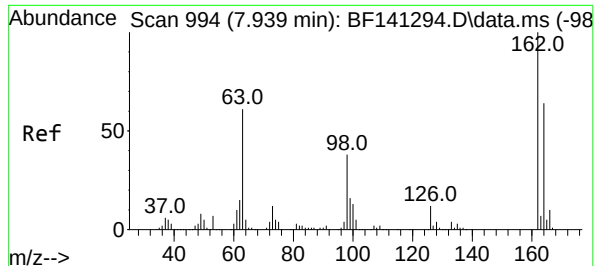
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 411851
Ion Ratio Lower Upper
93 100
95 32.3 26.2 39.2
123 12.3 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 37.675 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141298.D

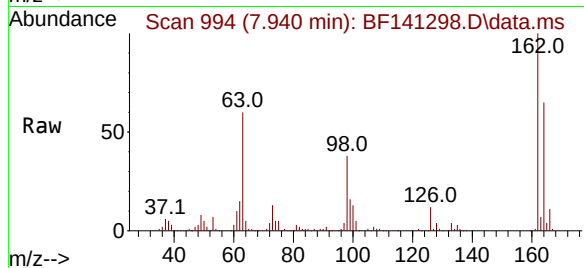
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:162 Resp: 286090

Ion Ratio Lower Upper

162 100

164 65.1 44.2 84.2

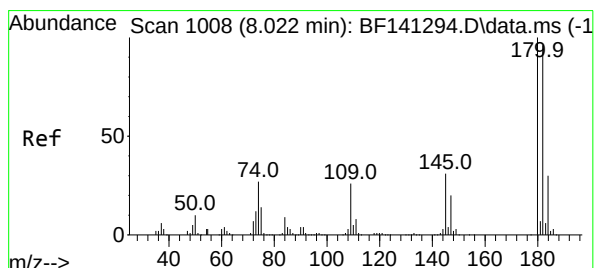
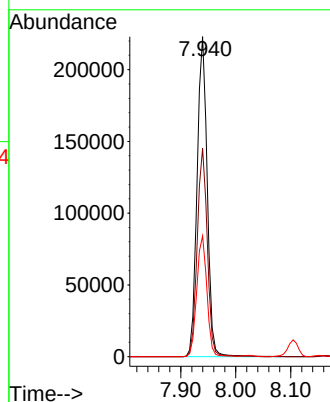
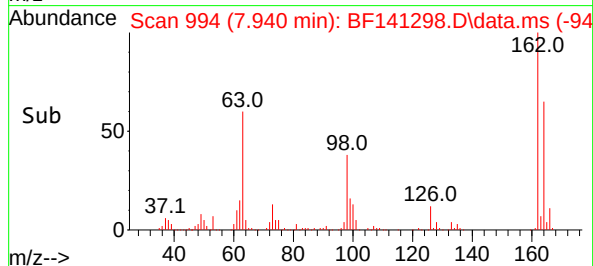
98 37.7 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#30

1,2,4-Trichlorobenzene

Concen: 36.488 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

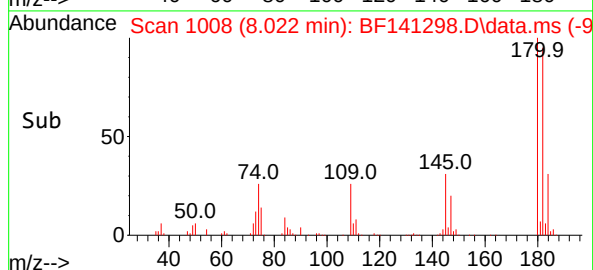
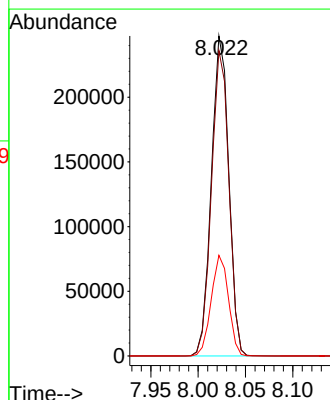
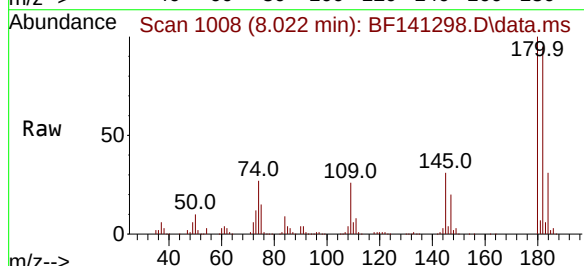
Tgt Ion:180 Resp: 316431

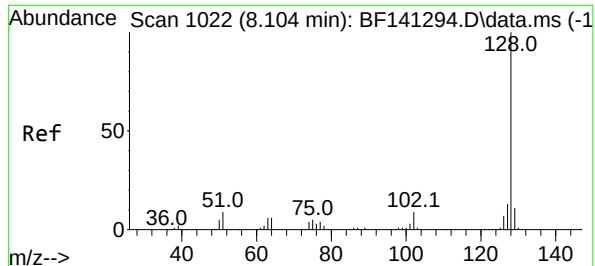
Ion Ratio Lower Upper

180 100

182 95.4 76.4 114.6

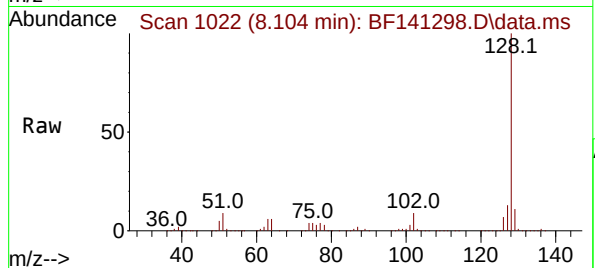
145 31.4 24.9 37.3





#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

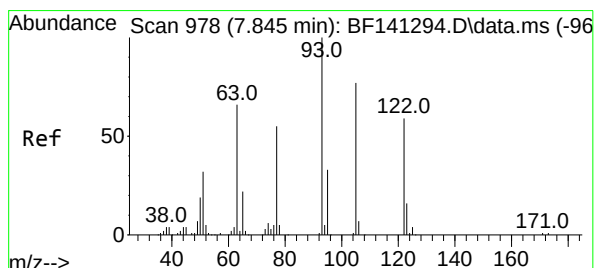
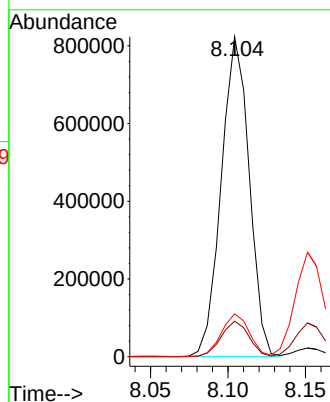
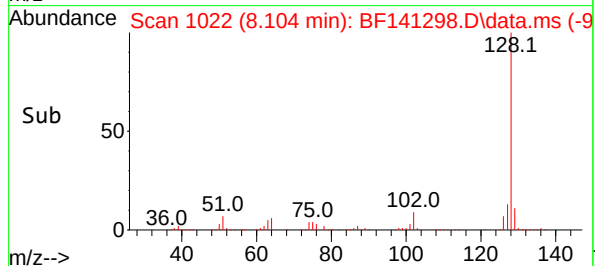
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:128 Resp: 103099
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 15.8

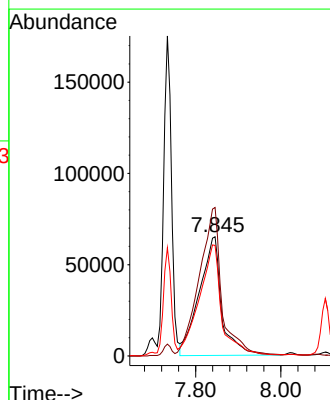
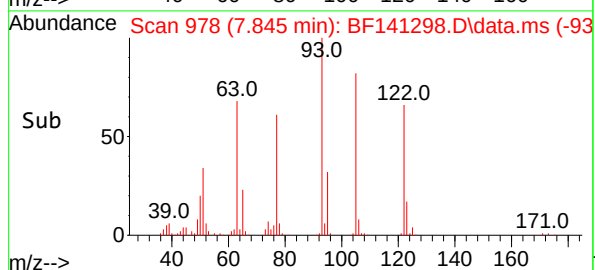
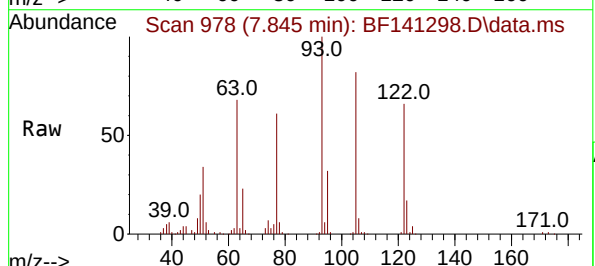
Manual Integrations
APPROVED

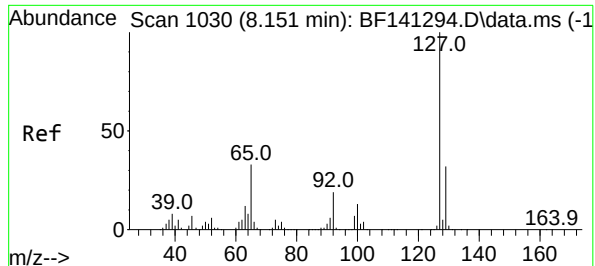
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

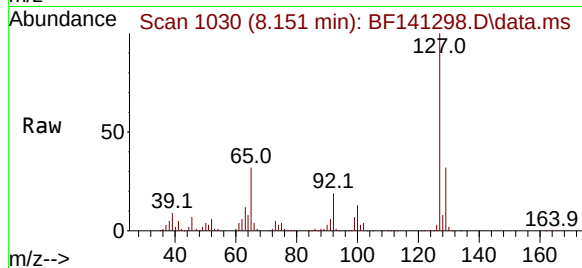
Tgt Ion:122 Resp: 236833
Ion Ratio Lower Upper
122 100
105 124.7 103.4 143.4
77 92.8 70.9 110.9





#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

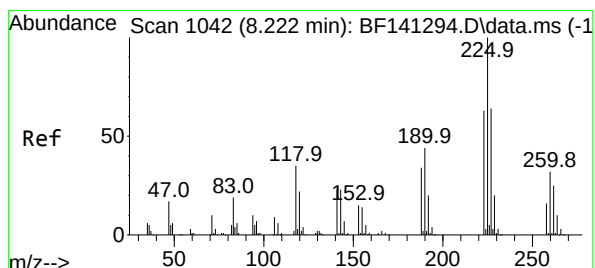
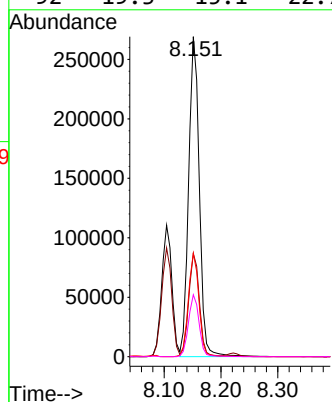
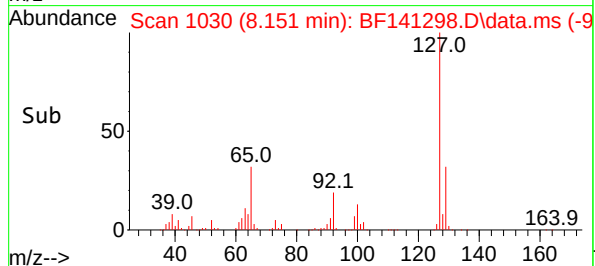
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:127 Resp: 35042
Ion Ratio Lower Upper
127 100
129 32.3 25.7 38.5
65 32.3 26.4 39.6
92 19.3 15.1 22.7

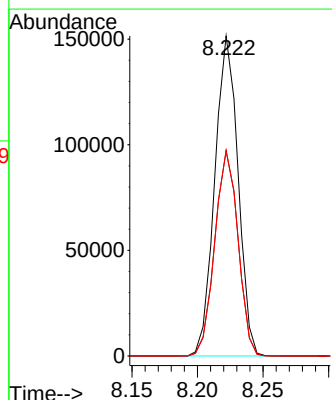
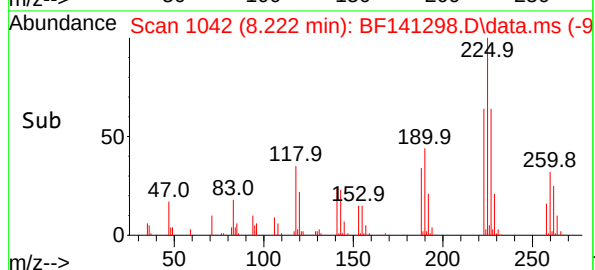
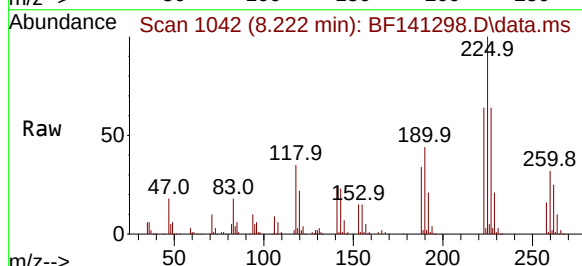
Manual Integrations
APPROVED

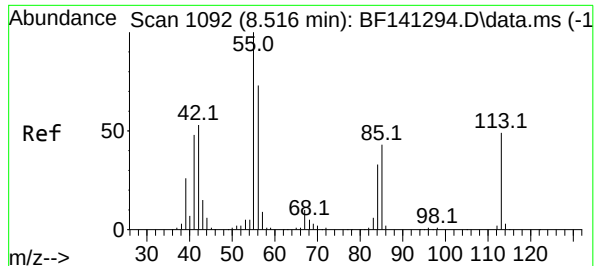
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

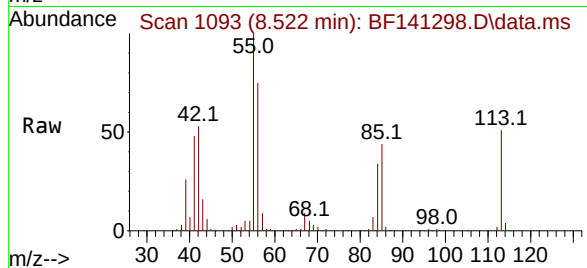
Tgt Ion:225 Resp: 186523
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 64.2 51.3 76.9





#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

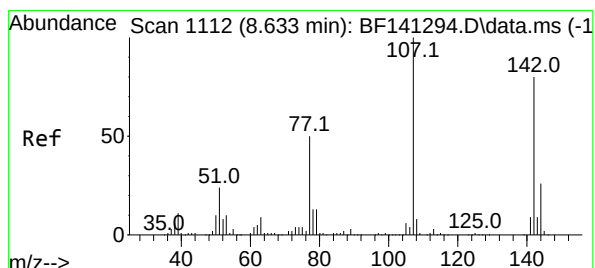
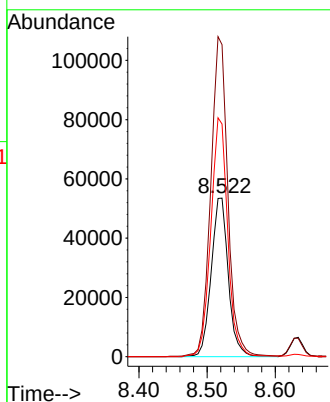
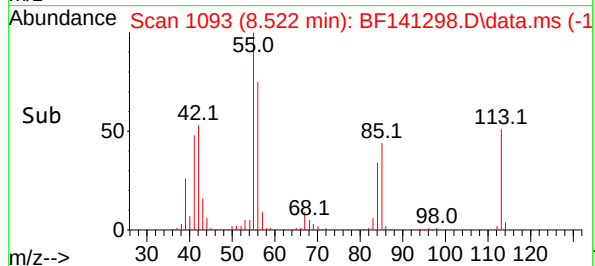
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:113 Resp: 9340
Ion Ratio Lower Upper
113 100
55 196.8 182.9 222.9
56 146.7 127.9 167.9

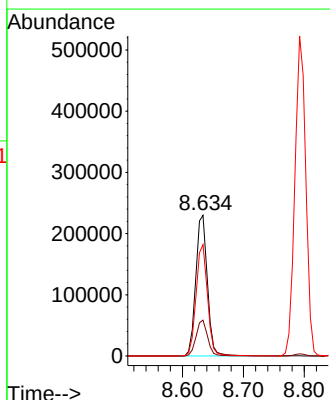
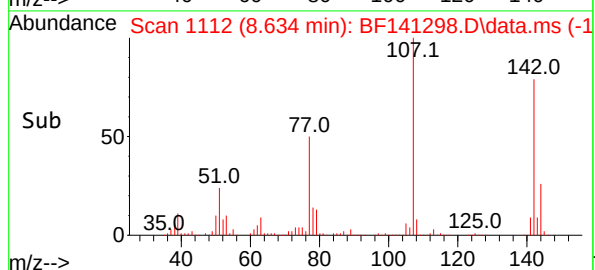
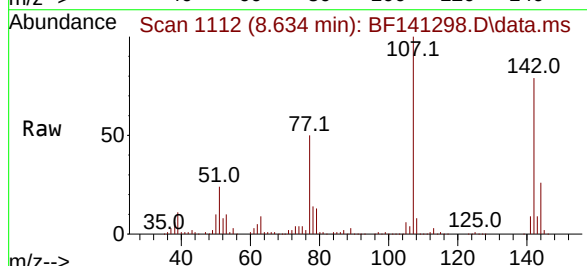
Manual Integrations
APPROVED

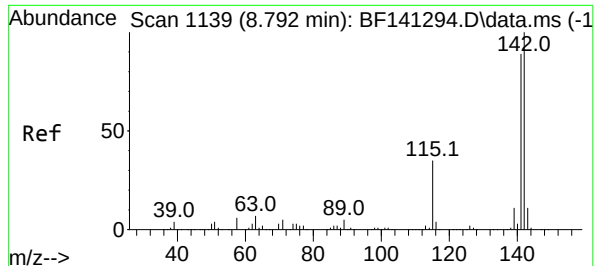
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

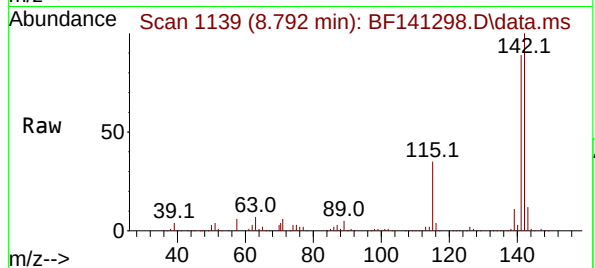
Tgt Ion:107 Resp: 305288
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 79.1 63.8 95.8





#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

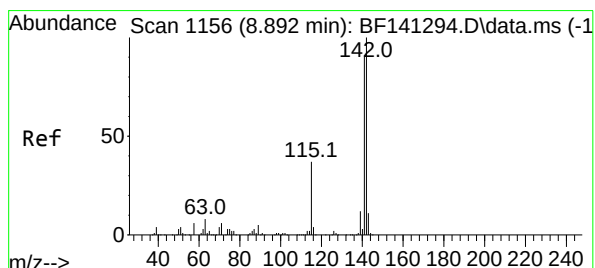
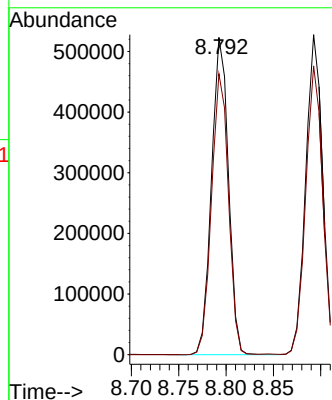
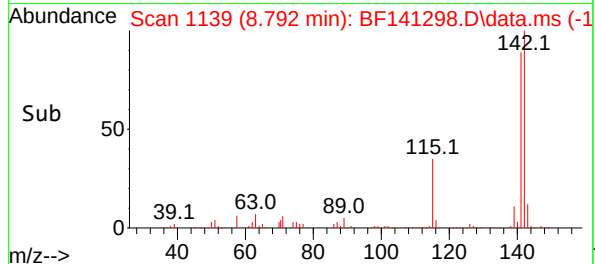
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:142 Resp: 65122
Ion Ratio Lower Upper
142 100
141 88.6 71.3 106.9

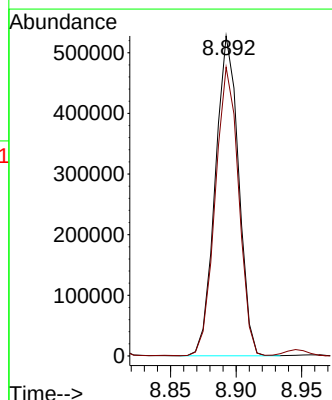
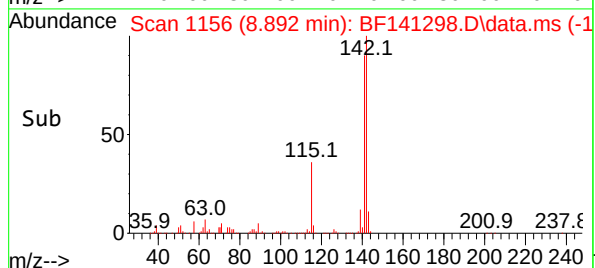
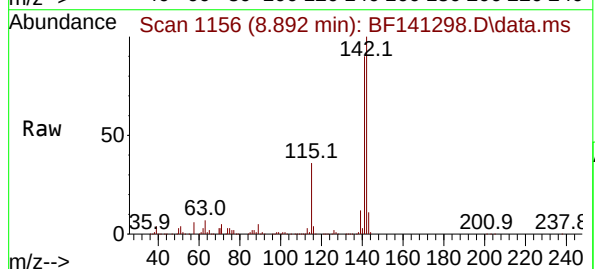
Manual Integrations
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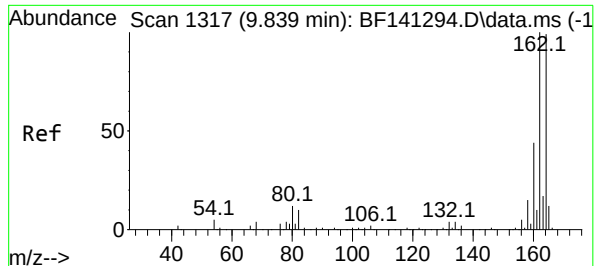
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341
Ion Ratio Lower Upper
142 100
141 90.3 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:164 Resp: 279764

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

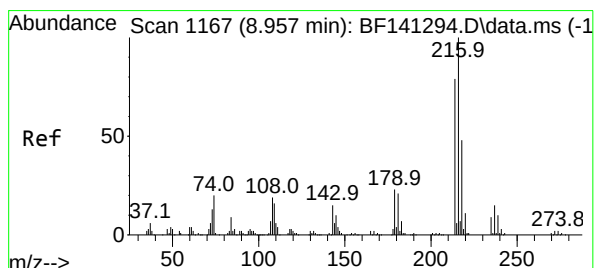
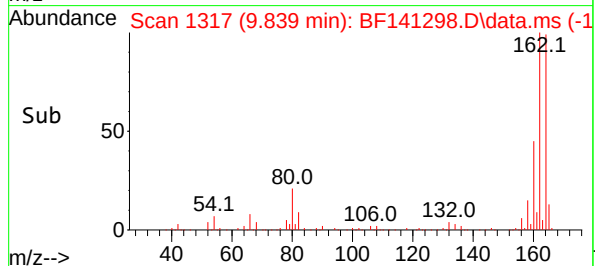
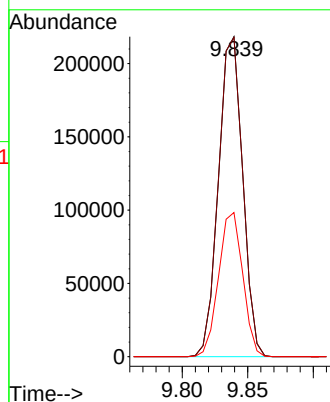
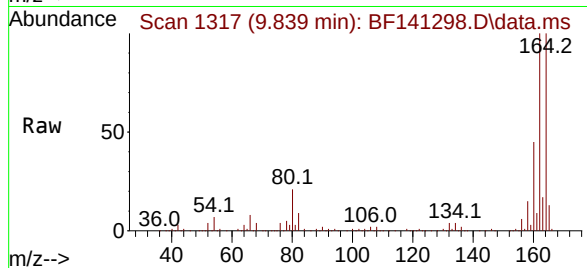
160 45.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.226 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:216 Resp: 296277

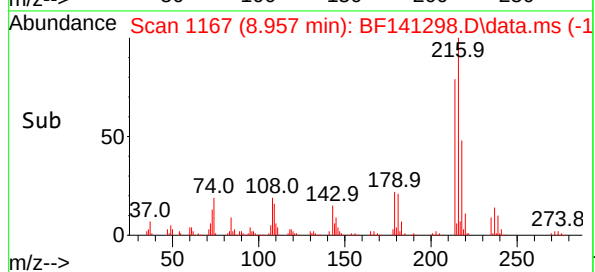
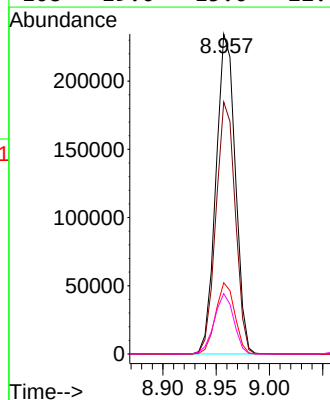
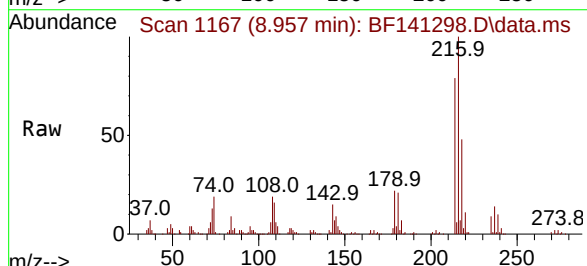
Ion Ratio Lower Upper

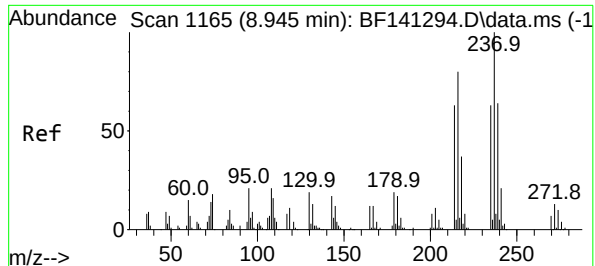
216 100

214 78.4 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.961 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

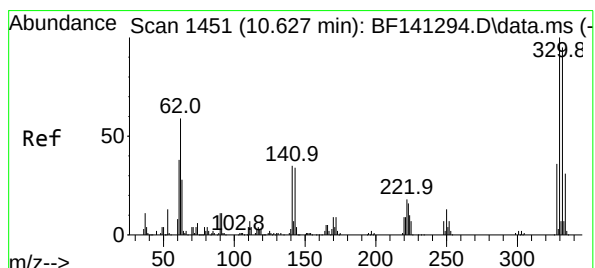
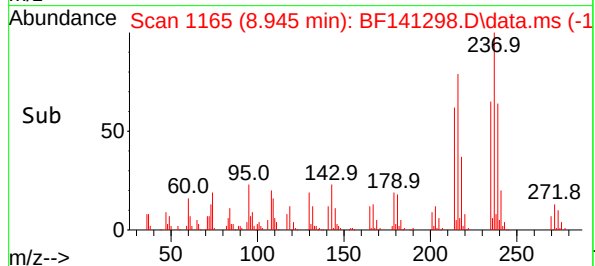
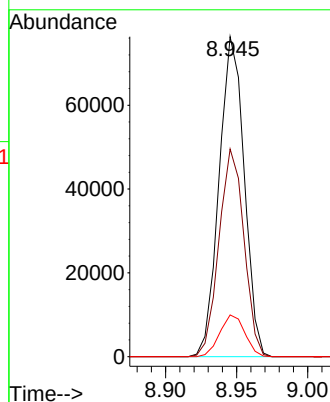
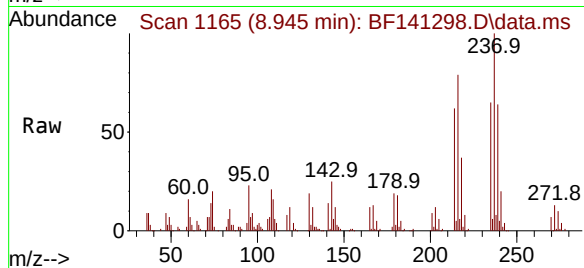
ICVBF012925

Tgt Ion:	237	Resp:	93930
Ion Ratio	Lower	Upper	
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8

Manual Integrations

APPROVED

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



#42

2,4,6-Tribromophenol

Concen: 75.161 ng

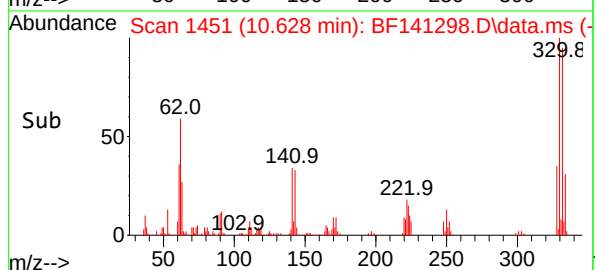
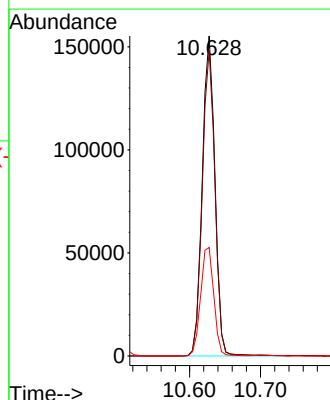
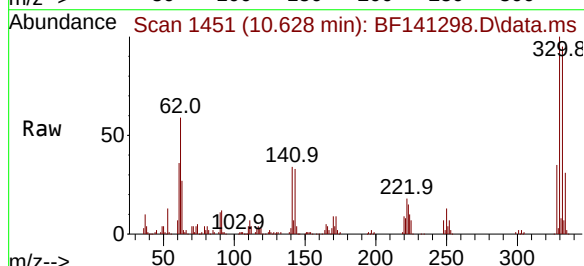
RT: 10.628 min Scan# 1451

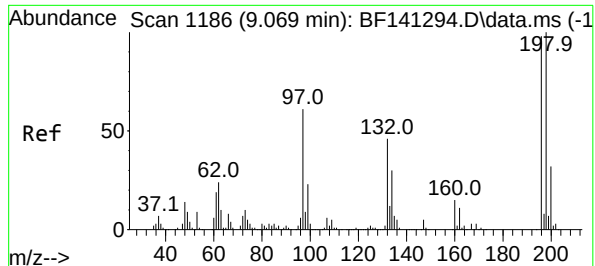
Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:	330	Resp:	192773
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2





#43

2,4,6-Trichlorophenol

Concen: 38.625 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141298.D

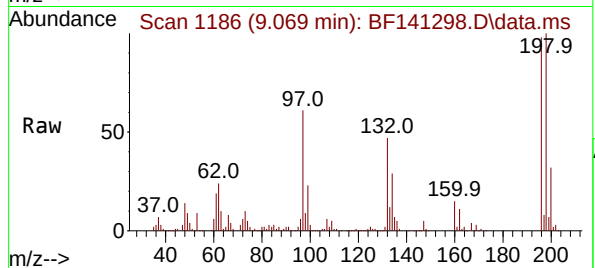
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:196 Resp: 201214

Ion Ratio Lower Upper

196 100

198 102.5 81.8 122.6

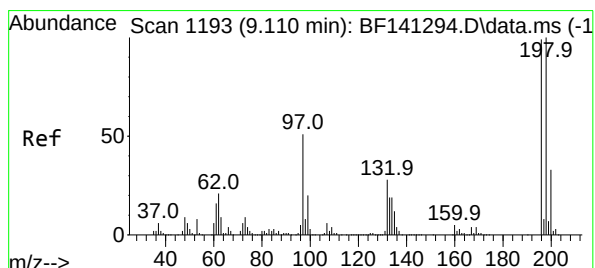
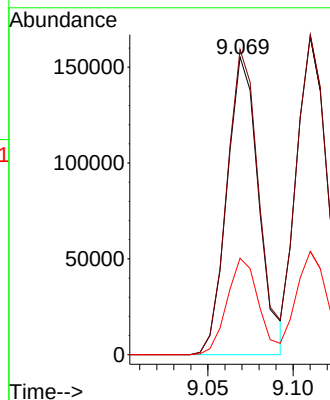
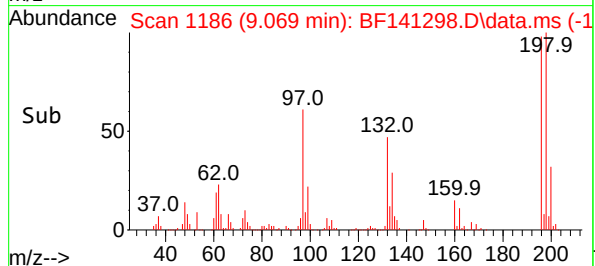
200 32.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#44

2,4,5-Trichlorophenol

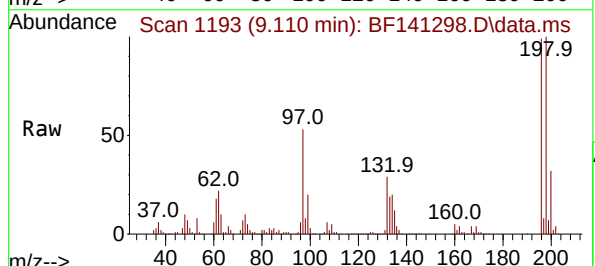
Concen: 36.969 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



Tgt Ion:196 Resp: 209611

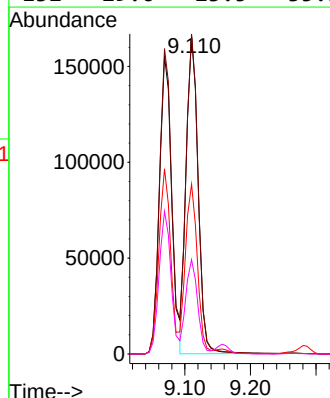
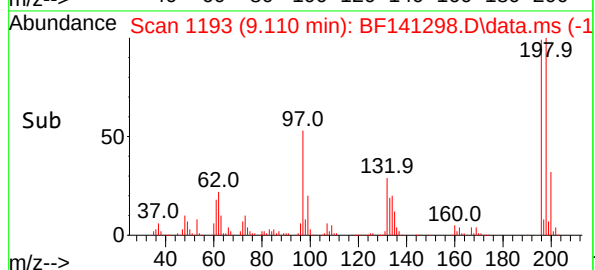
Ion Ratio Lower Upper

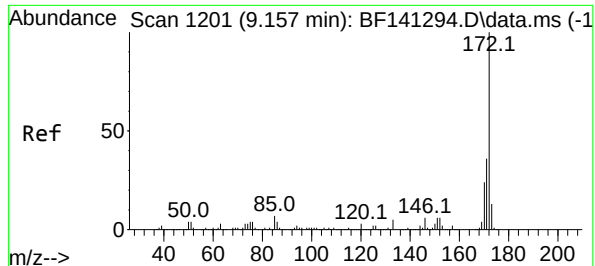
196 100

198 100.6 80.5 120.7

97 53.3 42.8 64.2

132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 72.938 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141298.D

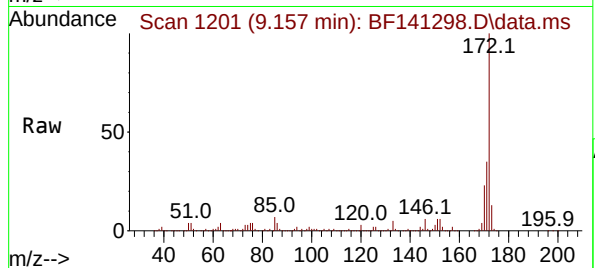
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:172 Resp: 132572

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

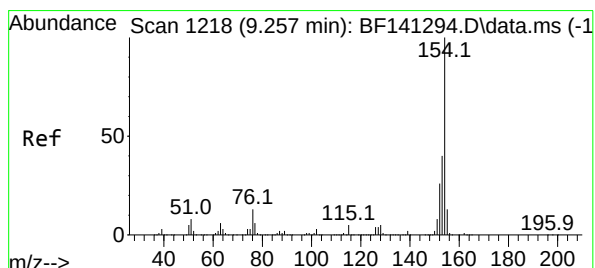
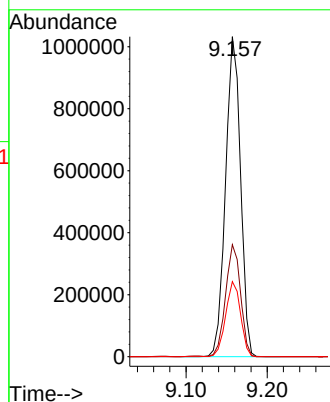
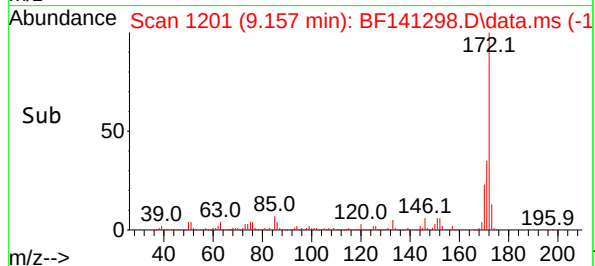
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#46

1,1'-Biphenyl

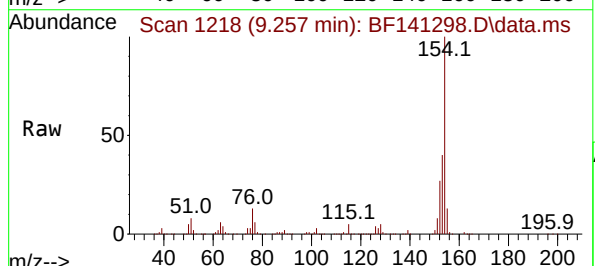
Concen: 37.111 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



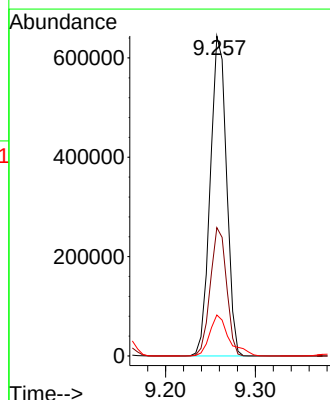
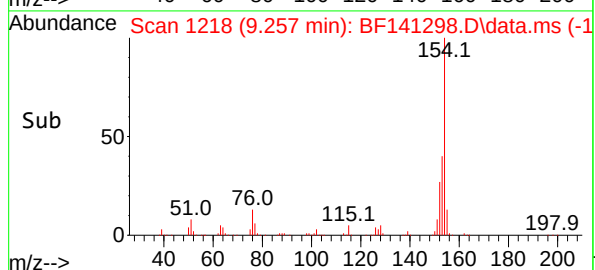
Tgt Ion:154 Resp: 809694

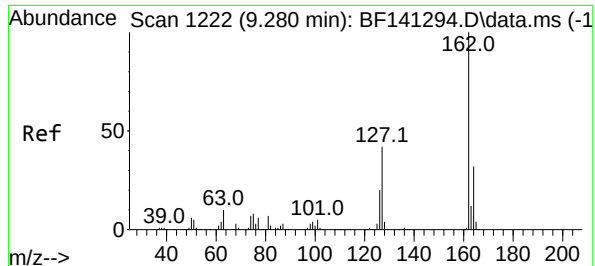
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 12.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.837 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

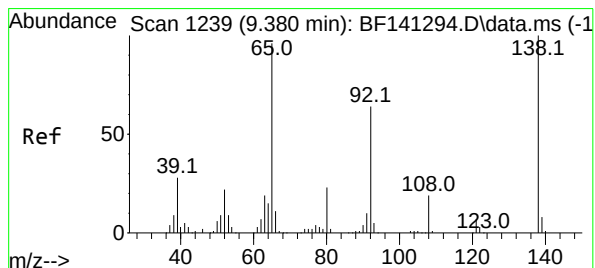
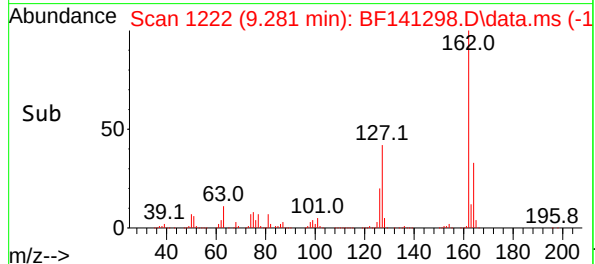
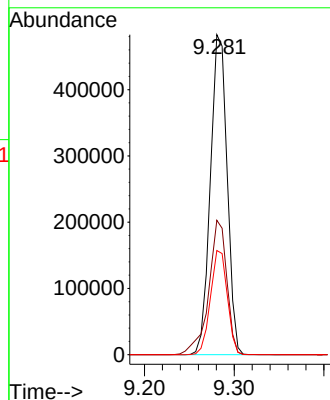
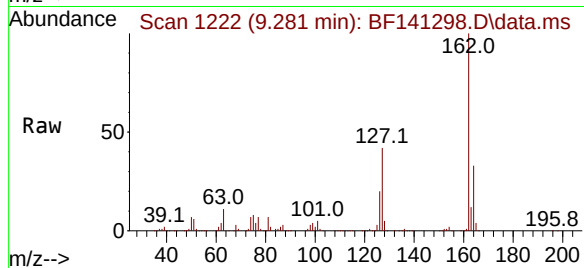
ClientSampleId :

ICVBF012925

Tgt Ion:162 Resp: 62645
Ion Ratio Lower Upper
162 100
127 42.0 33.7 50.5
164 32.5 25.9 38.9

Manual Integrations
APPROVED

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



#48

2-Nitroaniline

Concen: 37.970 ng

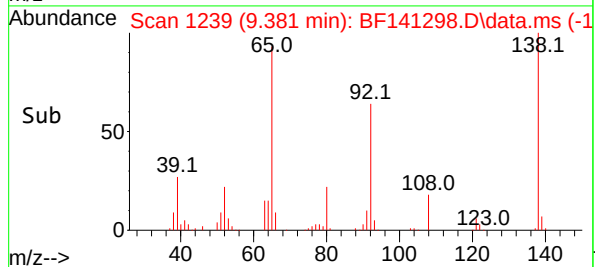
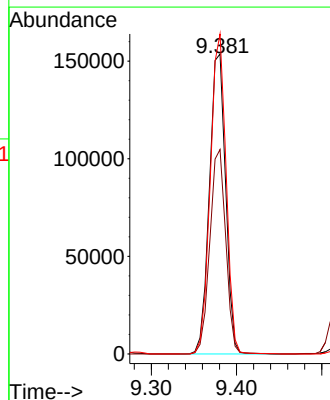
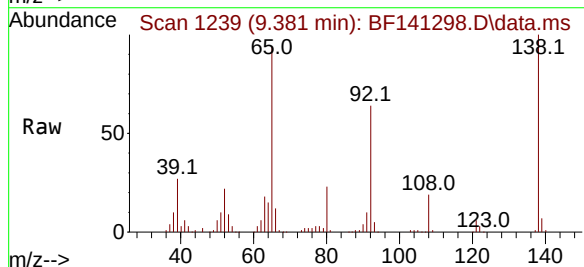
RT: 9.381 min Scan# 1239

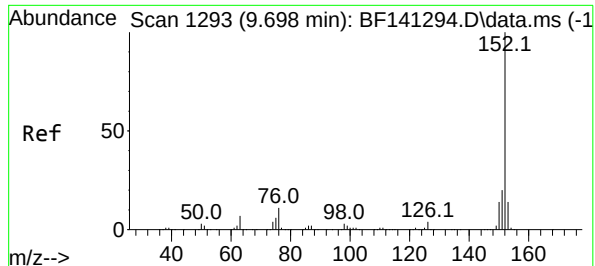
Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104
Ion Ratio Lower Upper
65 100
92 68.1 53.3 79.9
138 106.7 83.6 125.4





#49

Acenaphthylene

Concen: 37.416 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141298.D

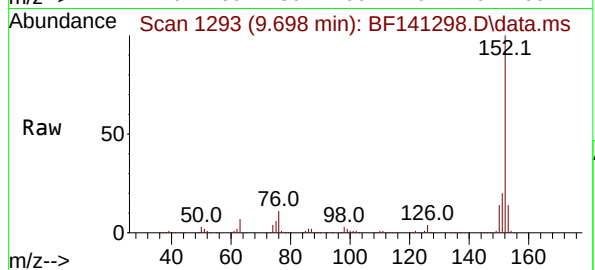
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:152 Resp: 890709

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

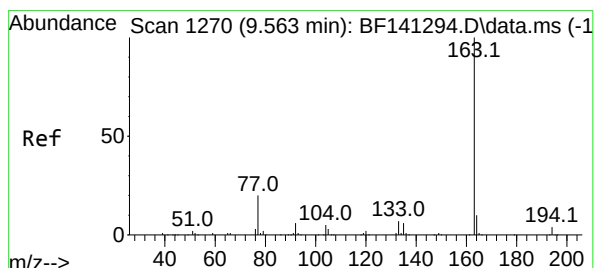
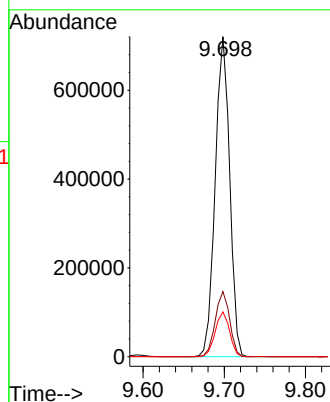
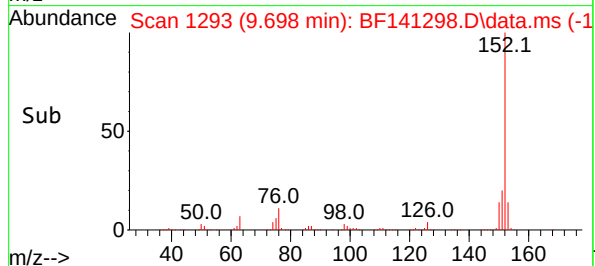
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#50

Dimethylphthalate

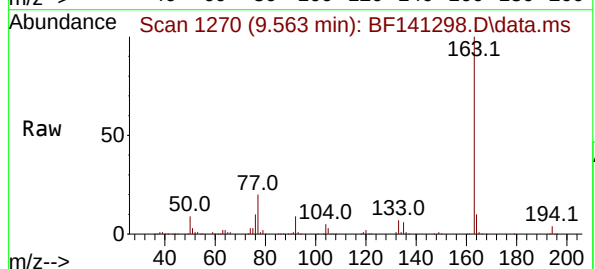
Concen: 36.904 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31



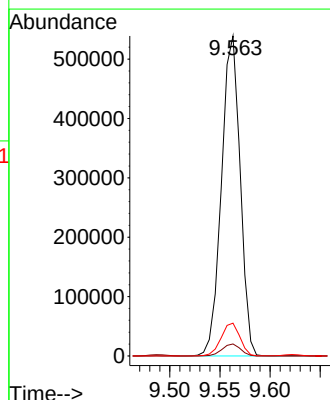
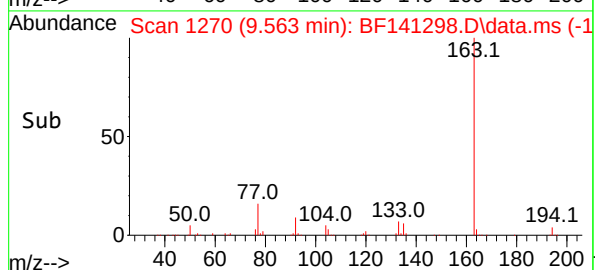
Tgt Ion:163 Resp: 697300

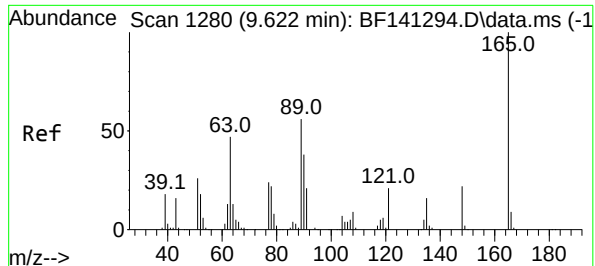
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

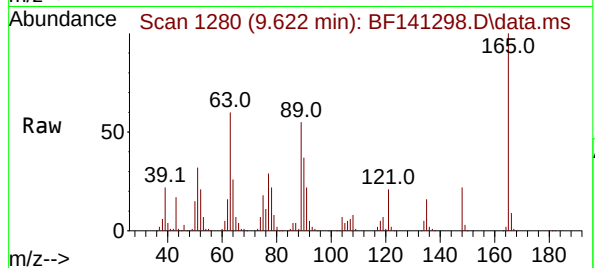
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

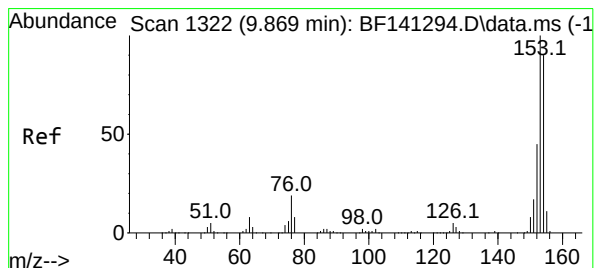
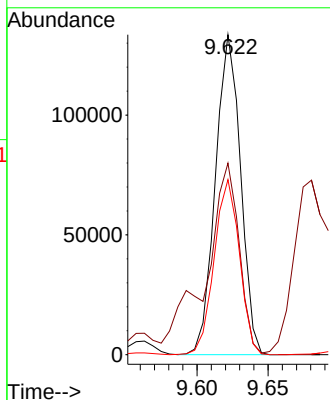
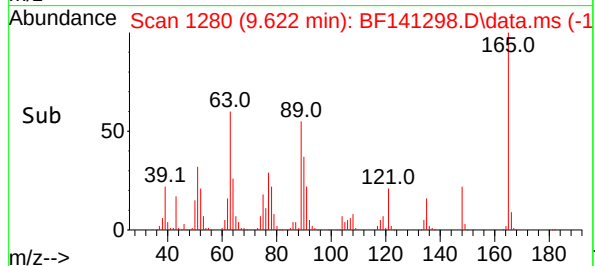
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:165 Resp: 16434
Ion Ratio Lower Upper
165 100
63 59.9 48.1 72.1
89 54.7 44.9 67.3

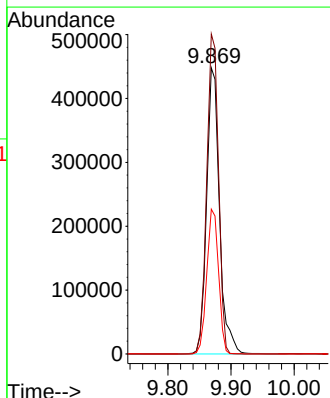
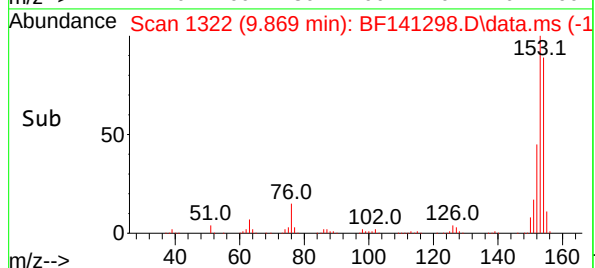
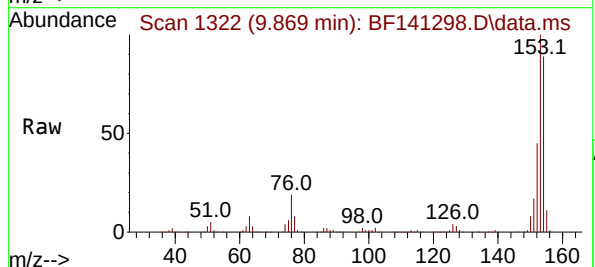
Manual Integrations
APPROVED

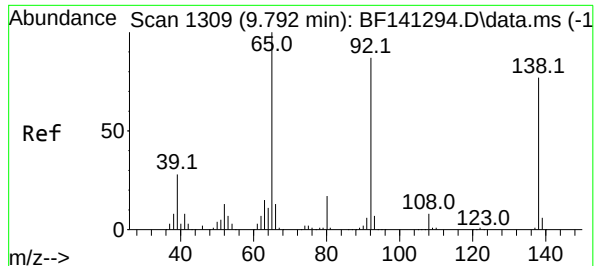
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

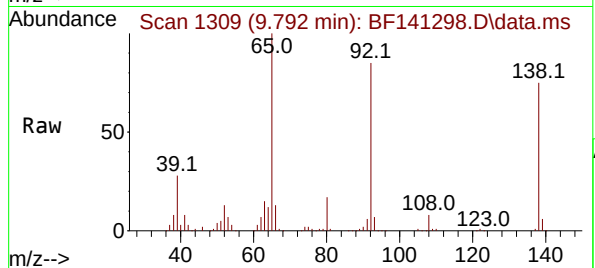
Tgt Ion:154 Resp: 632756
Ion Ratio Lower Upper
154 100
153 111.8 89.0 133.4
152 50.6 40.2 60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

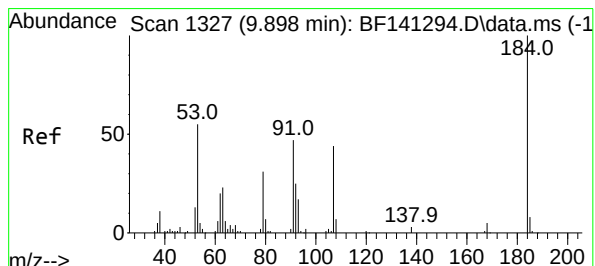
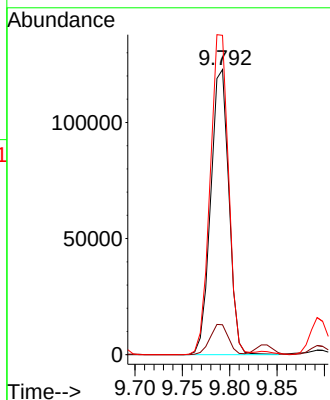
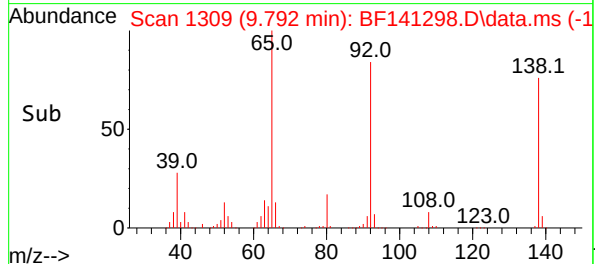
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:138 Resp: 16404
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 112.1 91.0 136.6

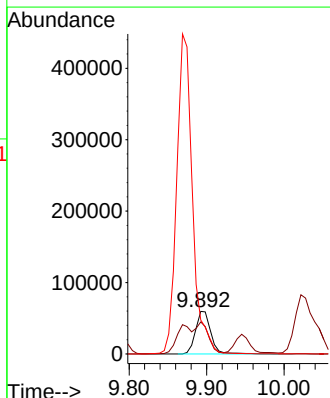
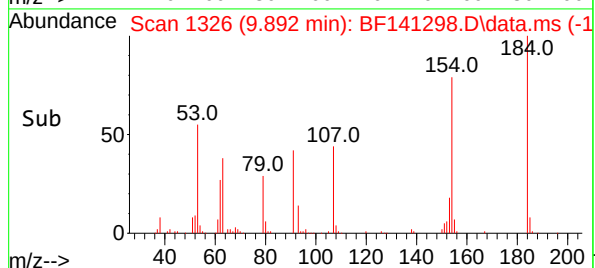
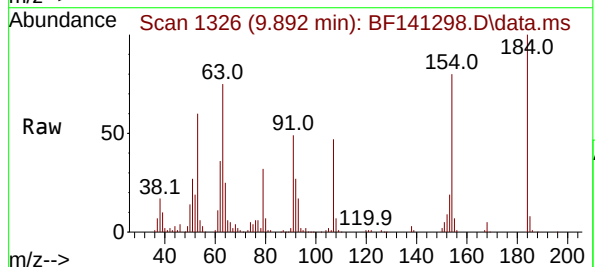
Manual Integrations
APPROVED

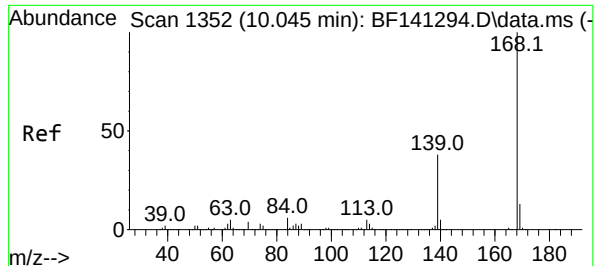
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034
Ion Ratio Lower Upper
184 100
63 75.3 54.1 81.1
154 79.6 50.7 76.1#





#55

Dibenzofuran

Concen: 37.012 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

Tgt Ion:168 Resp: 84255

Ion Ratio Lower Upper

168 100

139 38.2 30.6 46.0

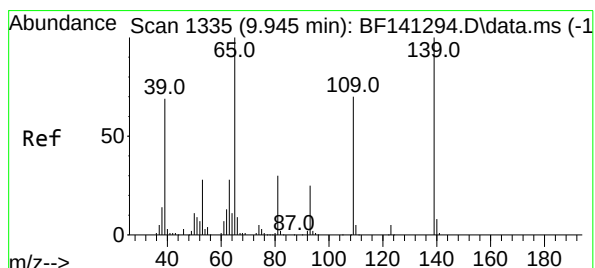
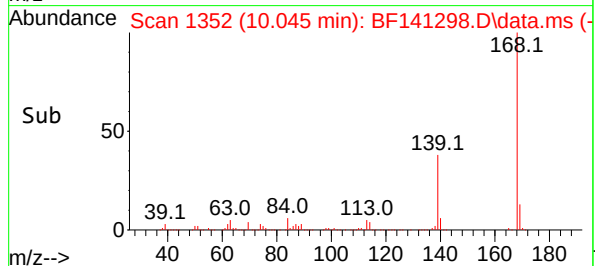
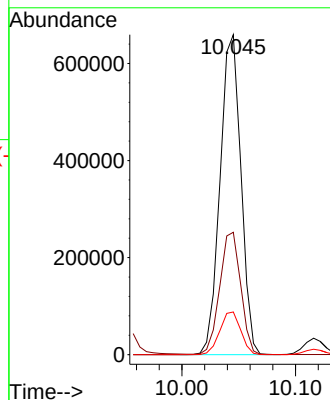
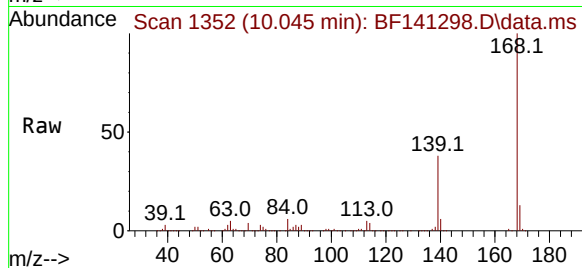
169 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#56

4-Nitrophenol

Concen: 39.089 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.012 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

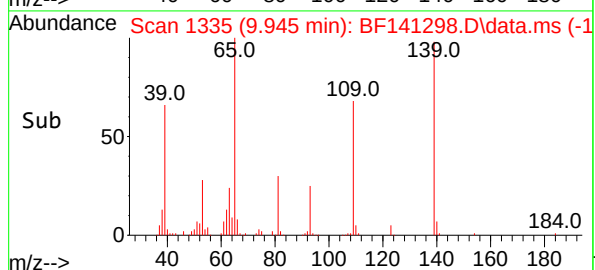
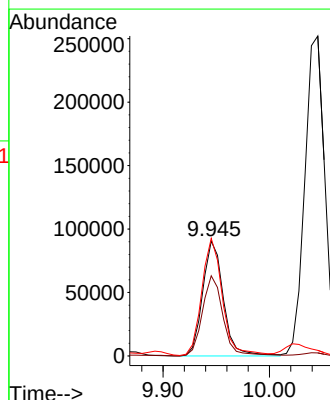
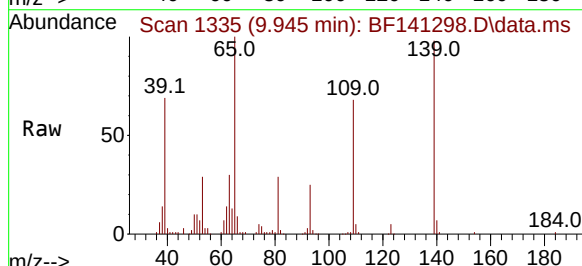
Tgt Ion:139 Resp: 122925

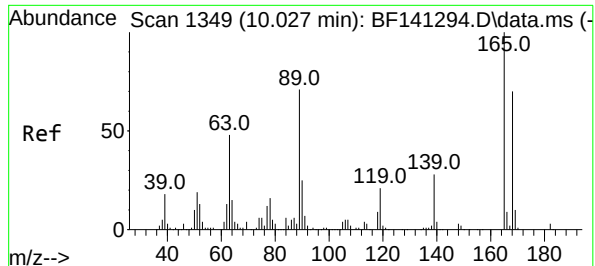
Ion Ratio Lower Upper

139 100

109 69.7 50.2 90.2

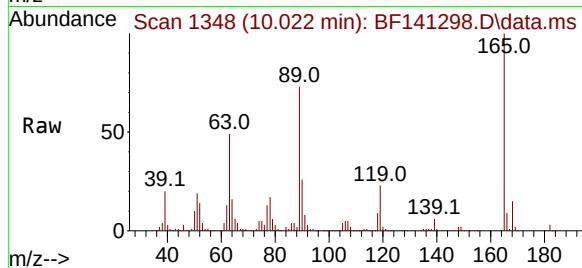
65 102.4 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

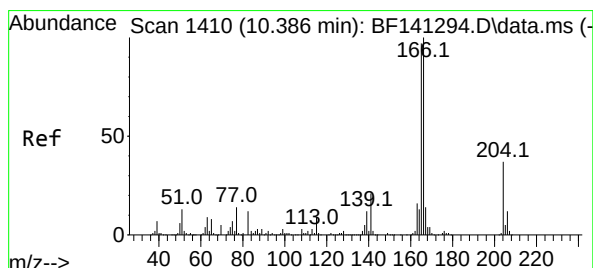
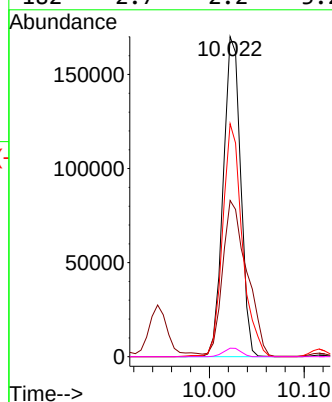
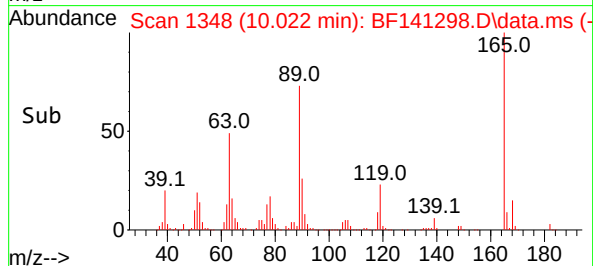
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:165 Resp: 21770
Ion Ratio Lower Upper
165 100
63 48.8 39.2 58.8
89 72.8 56.9 85.3
182 2.7 2.2 3.2

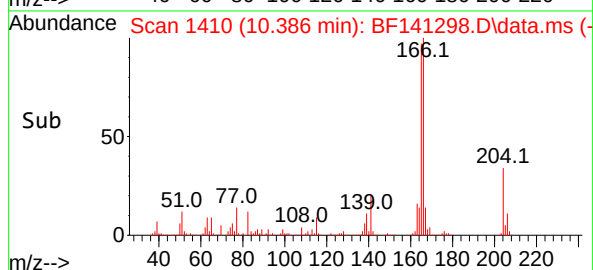
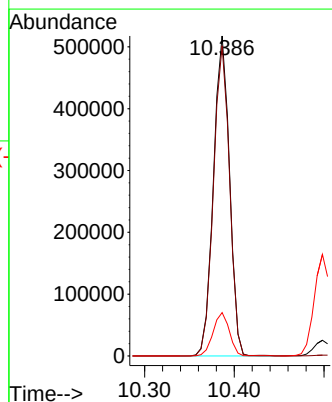
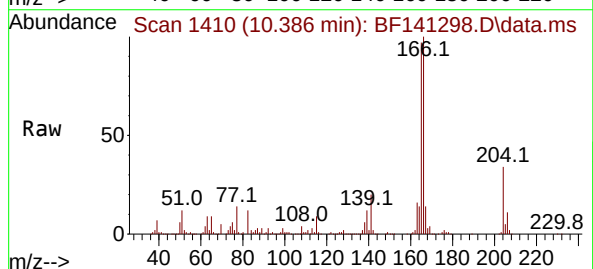
Manual Integrations
APPROVED

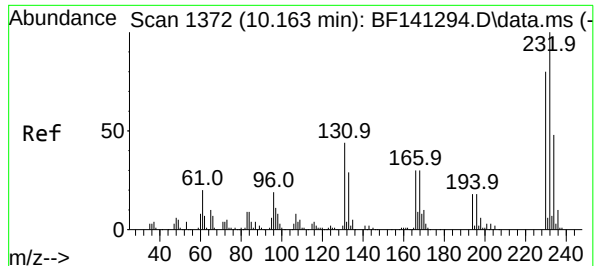
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

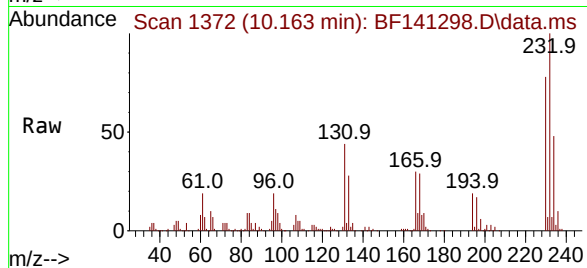
Tgt Ion:166 Resp: 643639
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

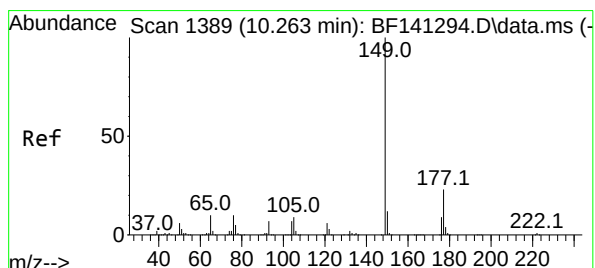
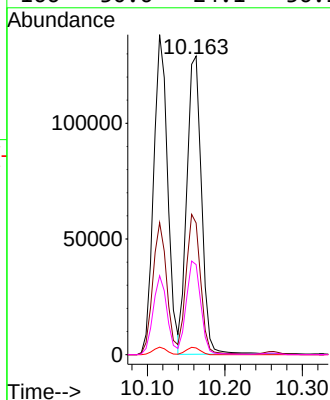
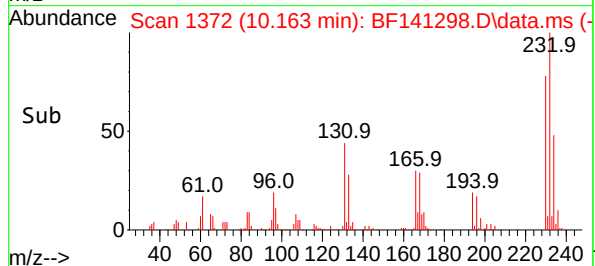
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:232 Resp: 169061
Ion Ratio Lower Upper
232 100
131 46.5 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

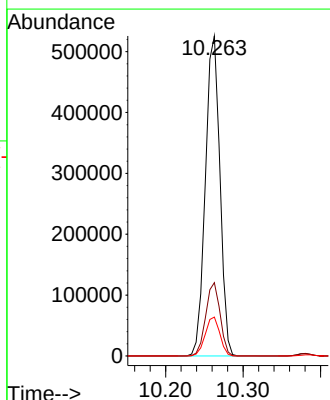
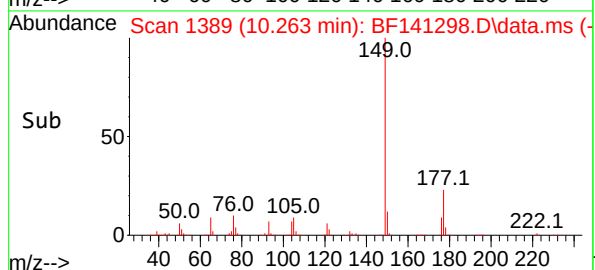
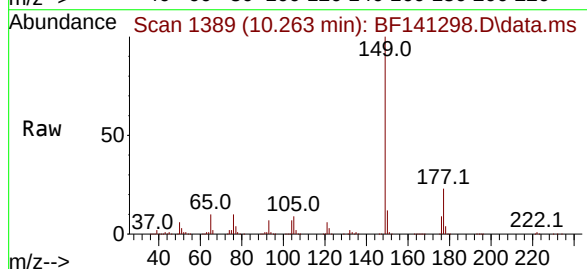
Manual Integrations
APPROVED

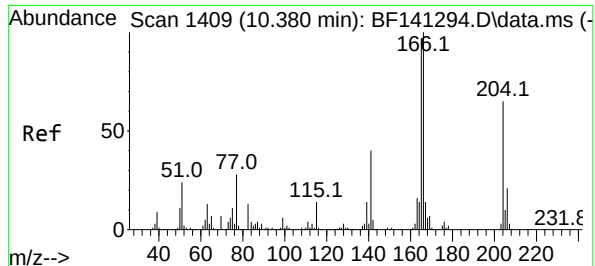
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

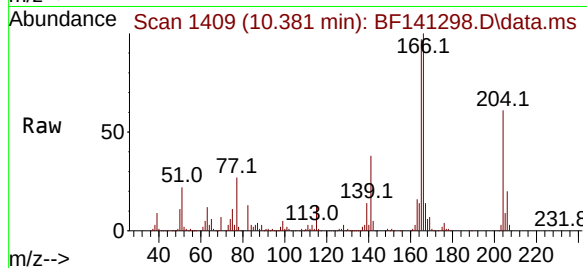
Tgt Ion:149 Resp: 683674
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.1 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

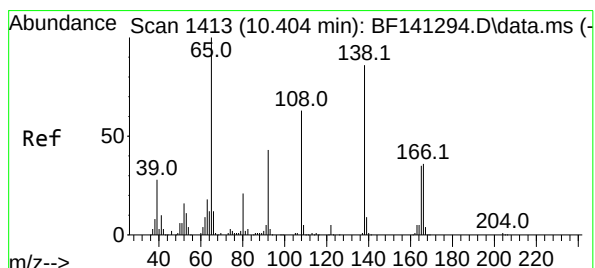
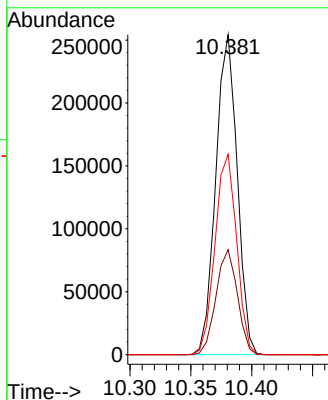
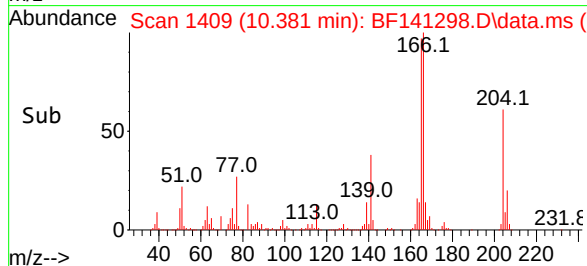
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



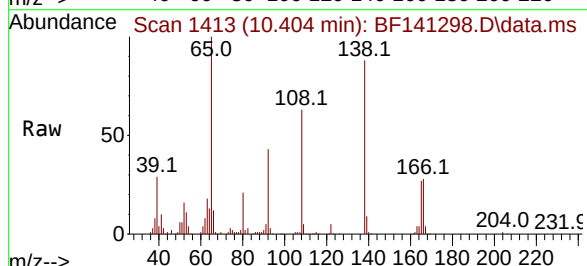
Tgt Ion:204 Resp: 31206
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 62.6 49.5 74.3

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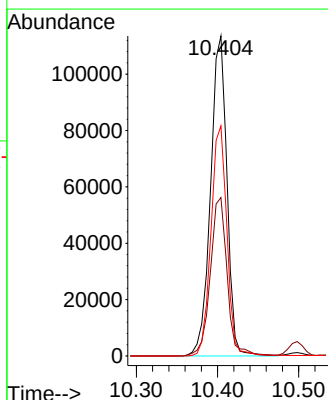
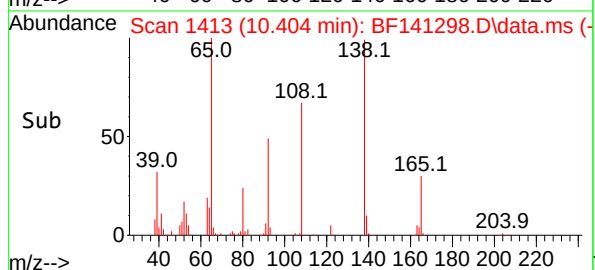
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

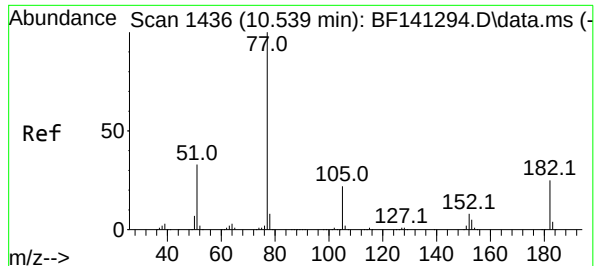


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:138 Resp: 159227
Ion Ratio Lower Upper
138 100
92 49.5 30.1 70.1
108 71.9 53.1 93.1





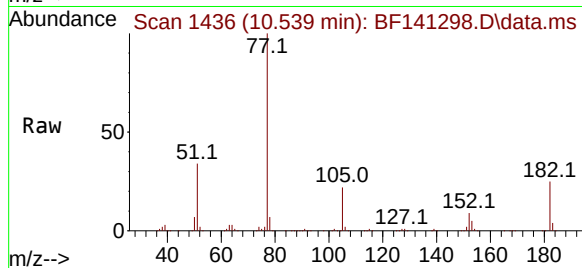
#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925

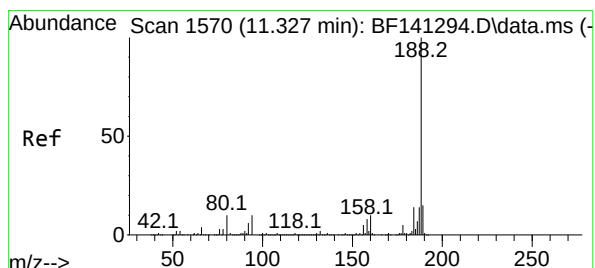
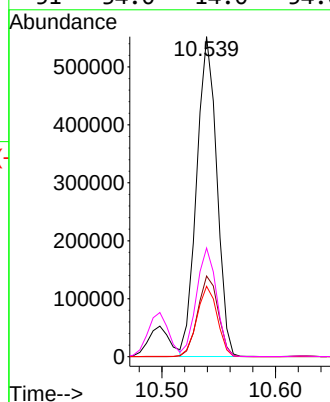
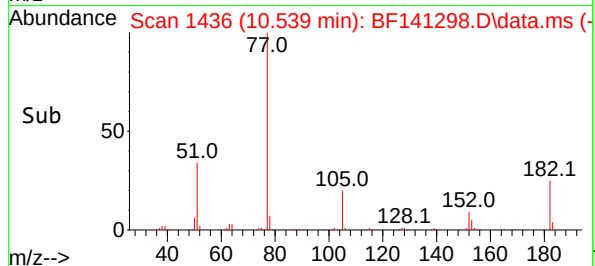


Tgt Ion: 77 Resp: 678905
Ion Ratio Lower Upper
77 100
182 25.2 5.1 45.1
105 22.0 1.8 41.8
51 34.0 14.0 54.0

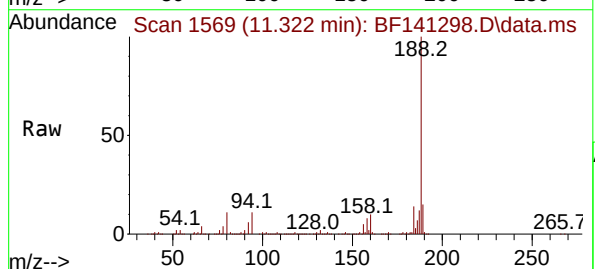
Manual Integrations

APPROVED

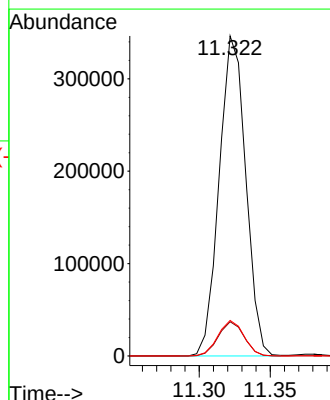
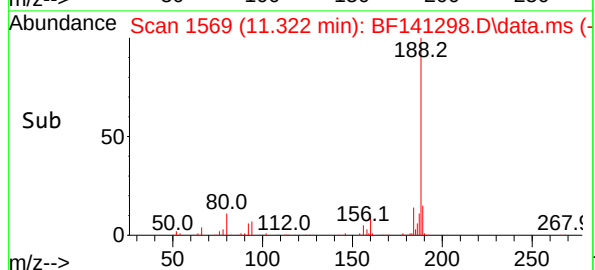
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

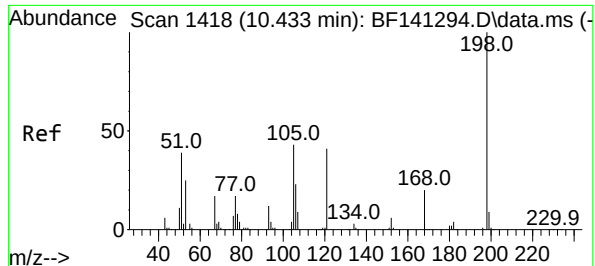


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



Tgt Ion:188 Resp: 450291
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.1 8.2 12.4





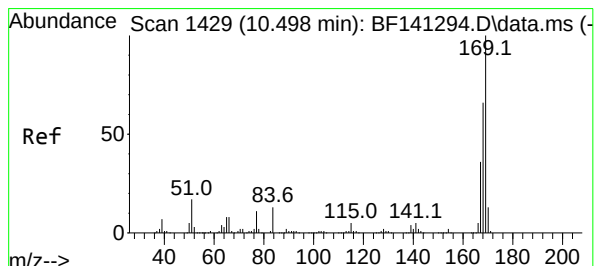
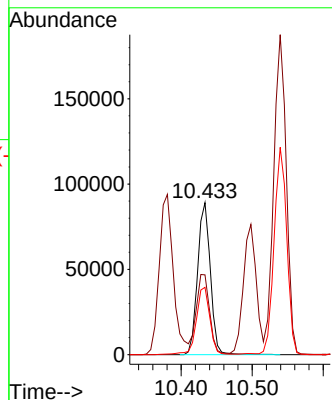
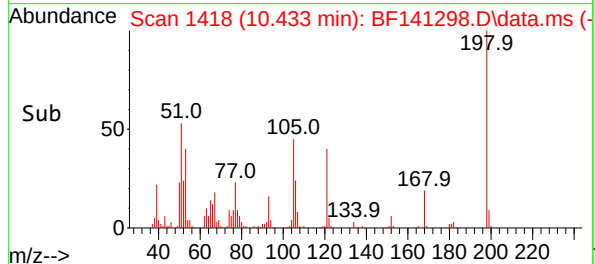
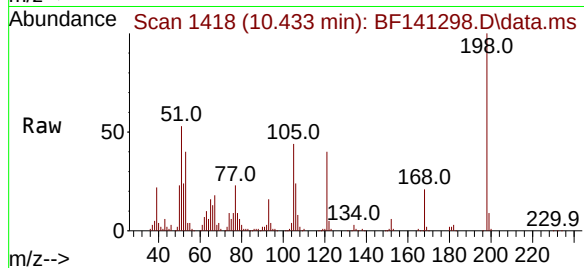
#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Tgt Ion:198 Resp: 111638
Ion Ratio Lower Upper
198 100
51 52.5 33.4 73.4
105 44.4 24.4 64.4

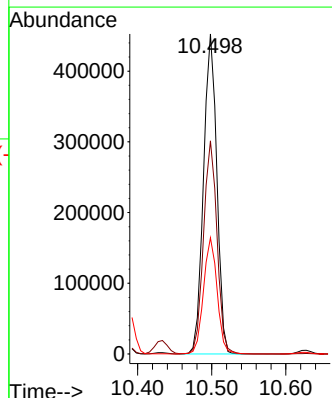
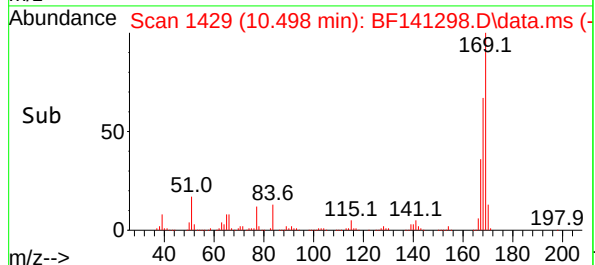
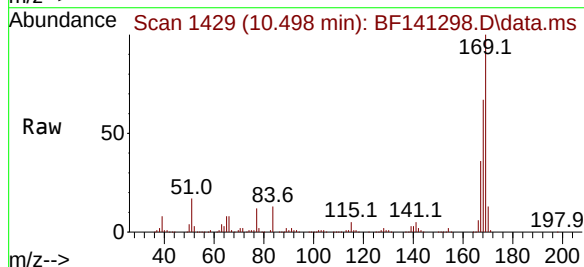
Manual Integrations
APPROVED

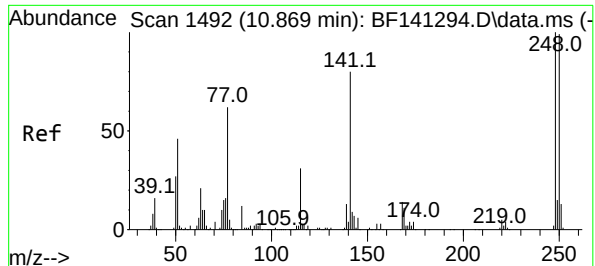
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

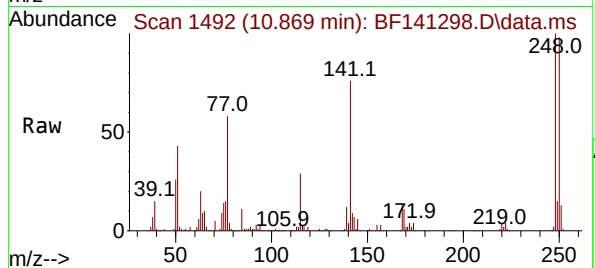
Tgt Ion:169 Resp: 564452
Ion Ratio Lower Upper
169 100
168 66.6 53.0 79.4
167 36.3 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

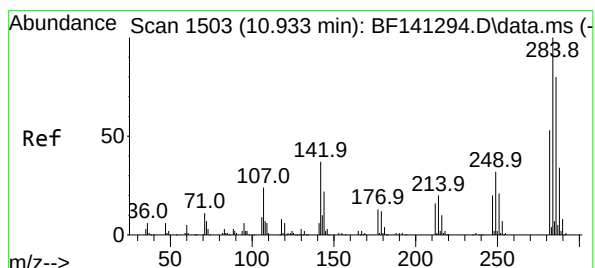
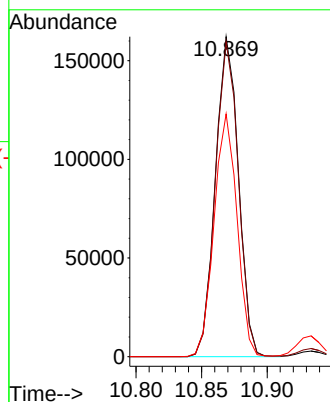
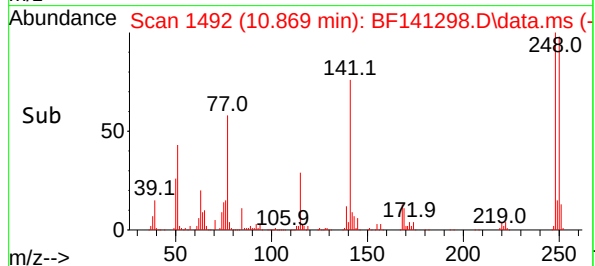
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



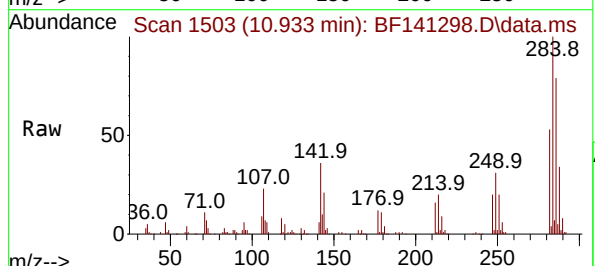
Tgt Ion:248 Resp: 199009
Ion Ratio Lower Upper
248 100
250 98.4 79.0 118.4
141 75.9 63.7 95.5

Manual Integrations
APPROVED

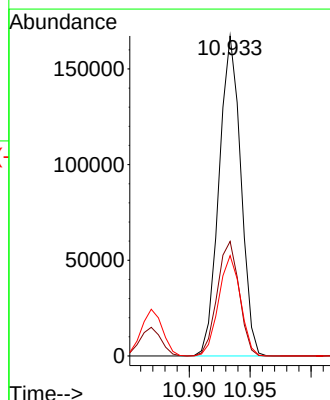
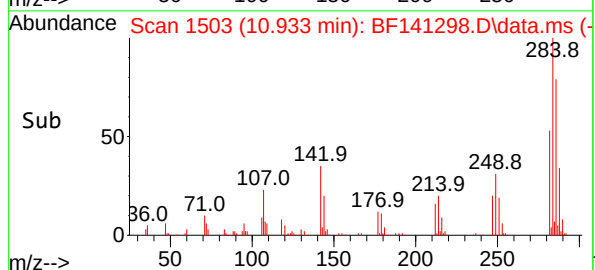
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

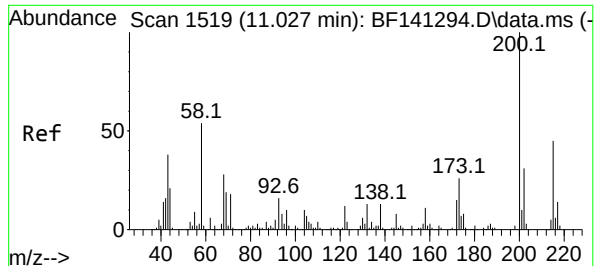


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



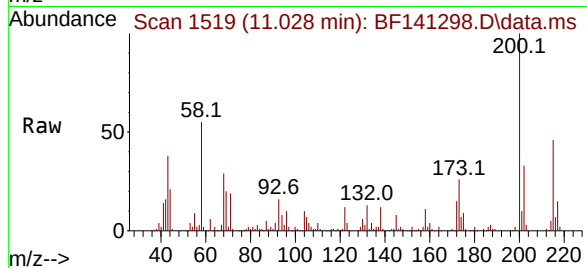
Tgt Ion:284 Resp: 208171
Ion Ratio Lower Upper
284 100
142 35.8 29.5 44.3
249 31.3 25.4 38.2





#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

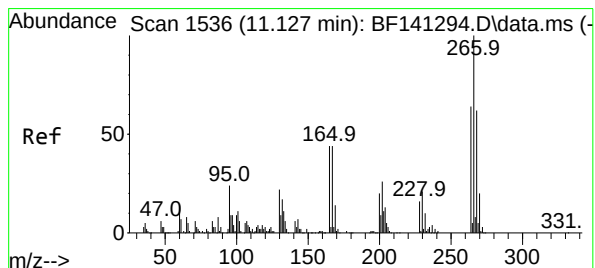
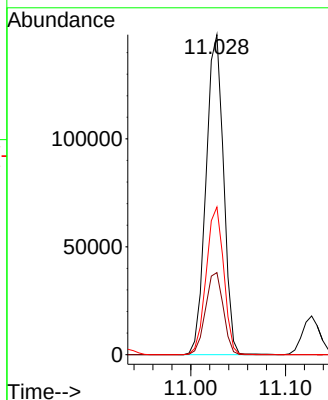
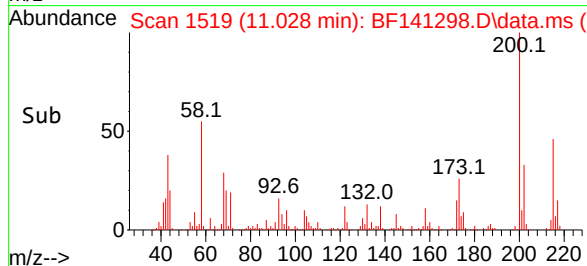
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



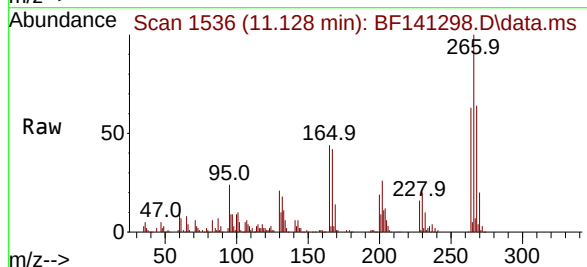
Tgt Ion:200 Resp: 190958
Ion Ratio Lower Upper
200 100
173 25.7 5.9 45.9
215 46.1 25.2 65.2

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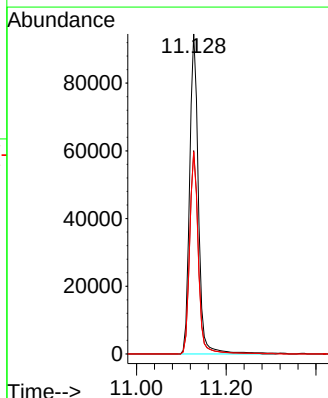
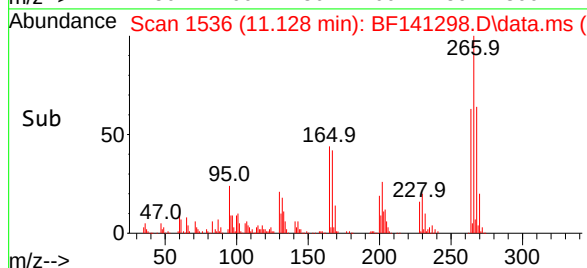
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

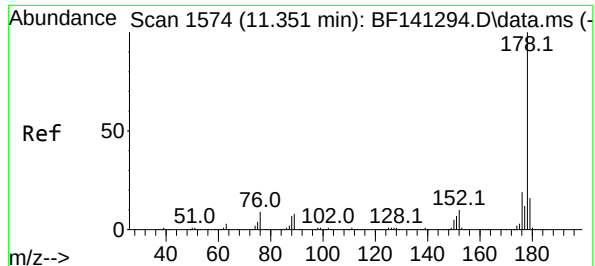


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



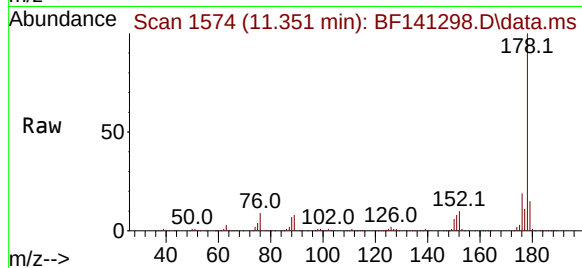
Tgt Ion:266 Resp: 128300
Ion Ratio Lower Upper
266 100
268 63.6 49.9 74.9
264 63.0 51.0 76.4





#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

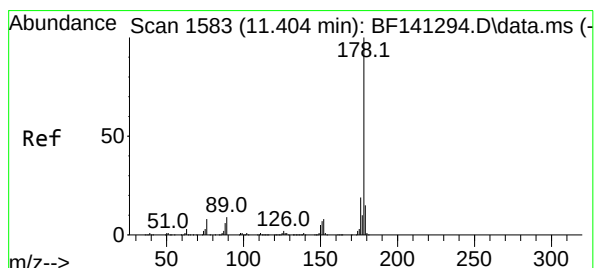
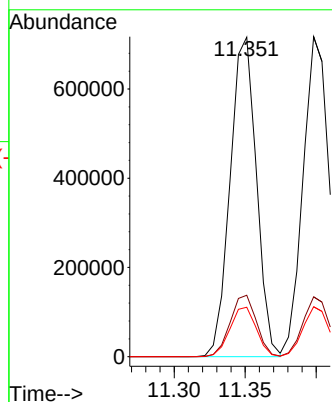
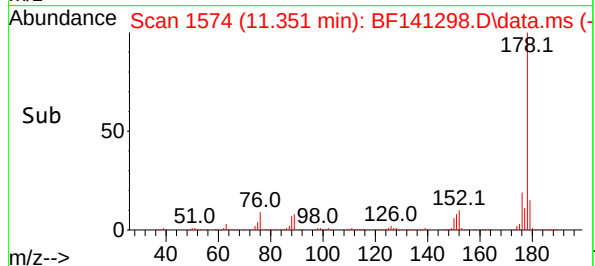
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:178 Resp: 922625
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.5 12.5 18.7

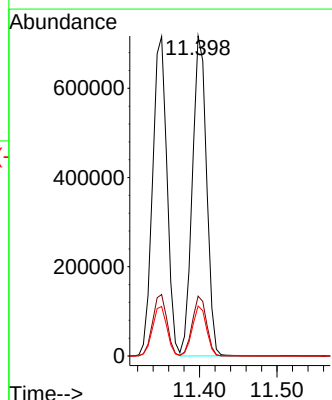
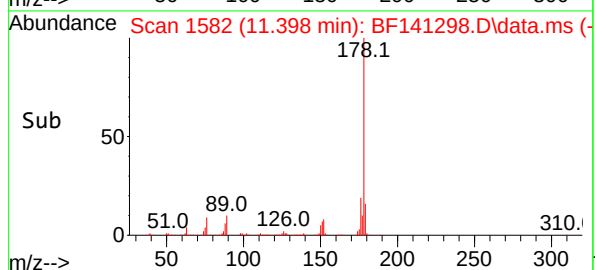
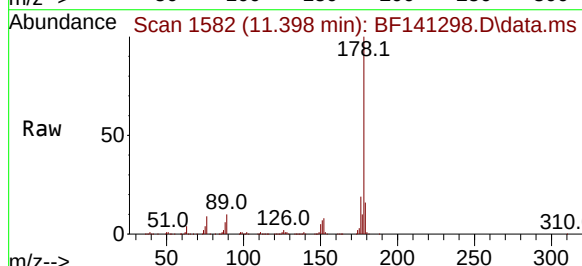
Manual Integrations
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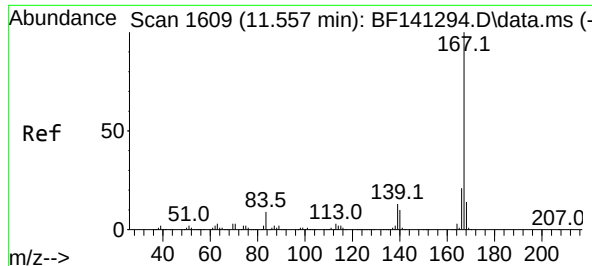
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

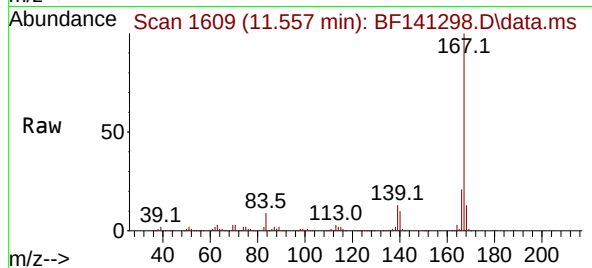
Tgt Ion:178 Resp: 912703
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.6 12.3 18.5





#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

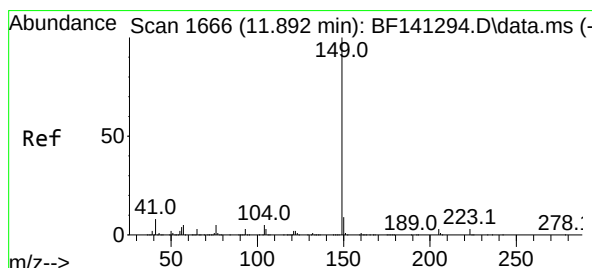
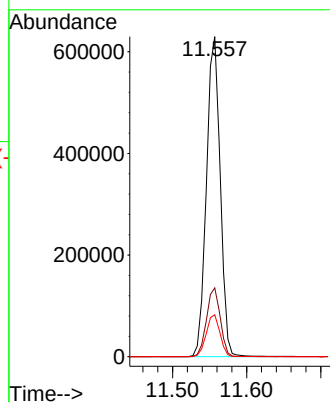
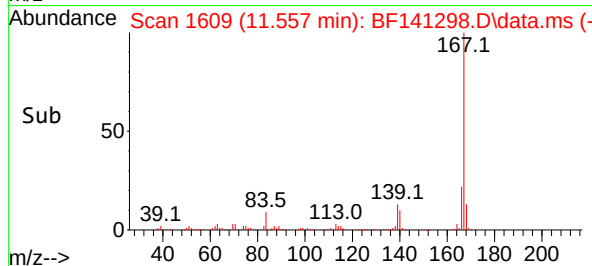
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:167 Resp: 813030
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.6
139 13.1 10.6 16.0

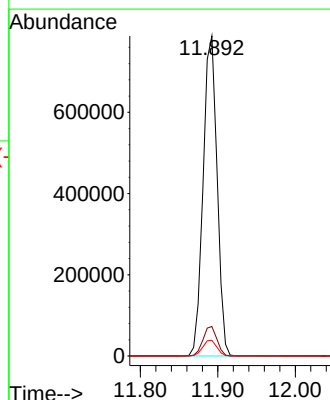
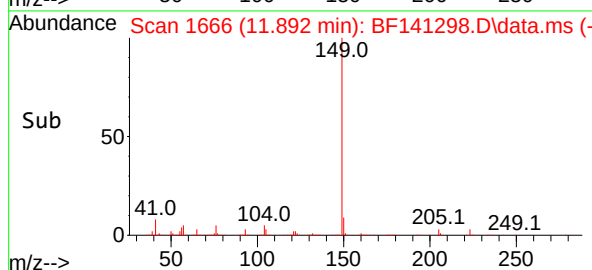
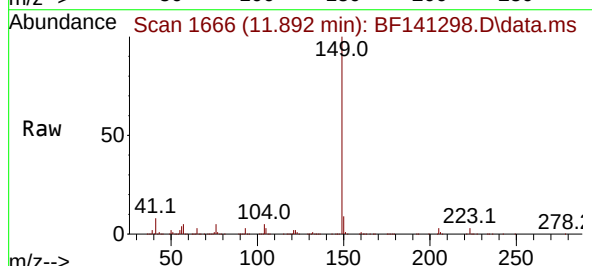
Manual Integrations
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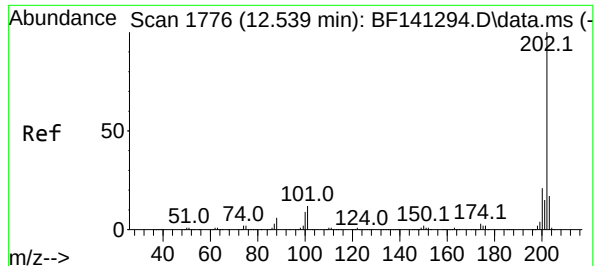
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

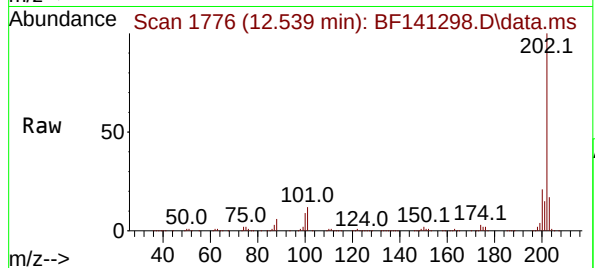
Tgt Ion:149 Resp: 984759
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

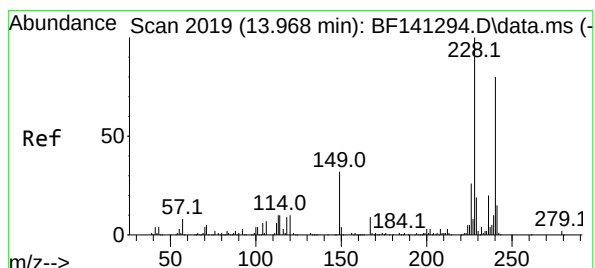
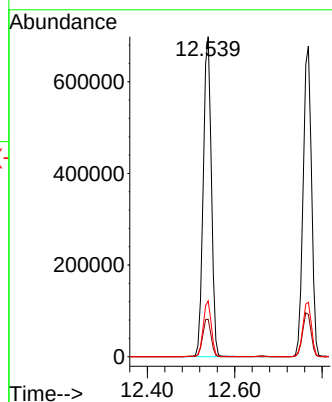
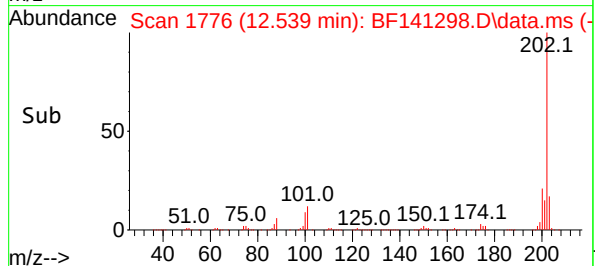
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:202 Resp: 90263
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.4 0.0 37.5

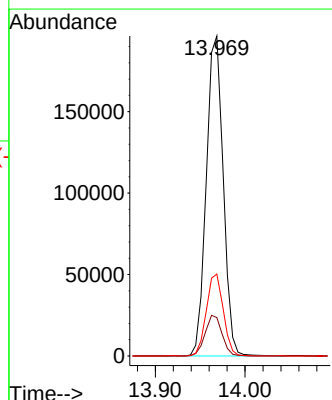
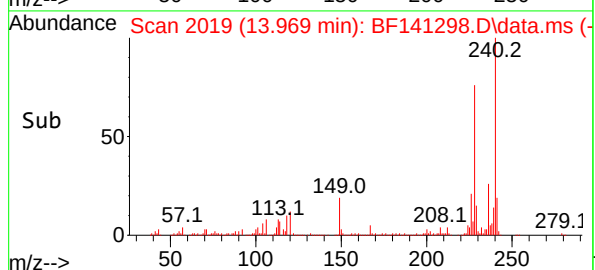
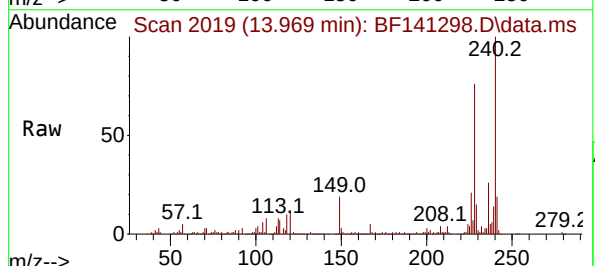
Manual Integrations
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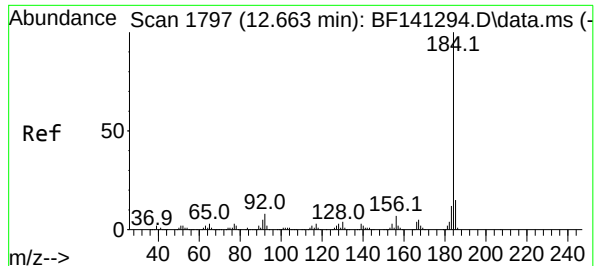
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

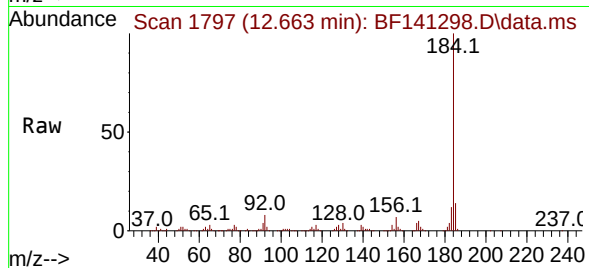
Tgt Ion:240 Resp: 257177
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

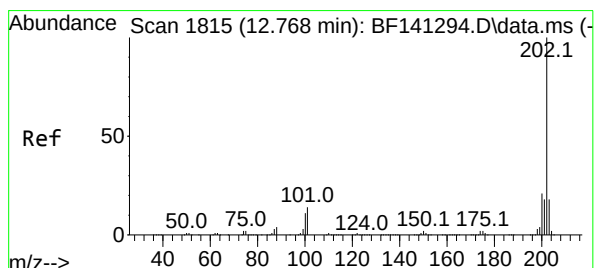
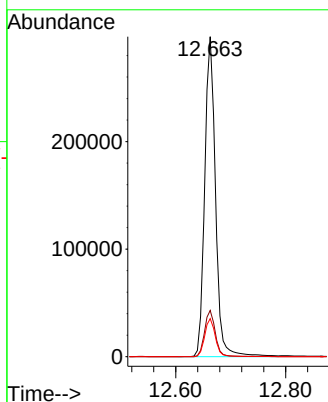
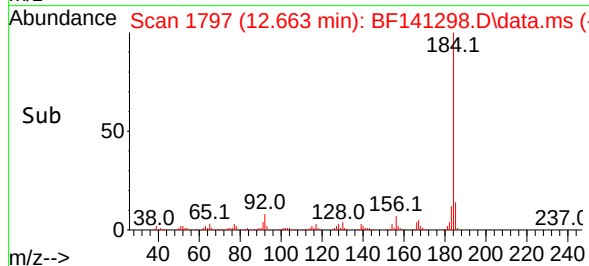
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



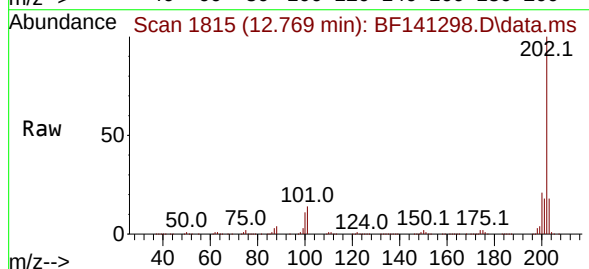
Tgt Ion:184 Resp: 40516
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 11.9 9.5 14.3

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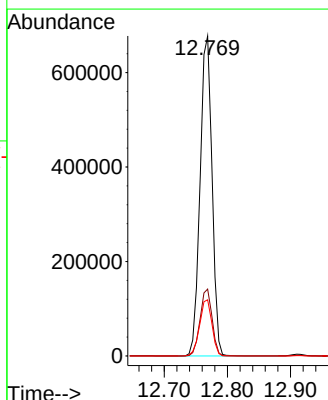
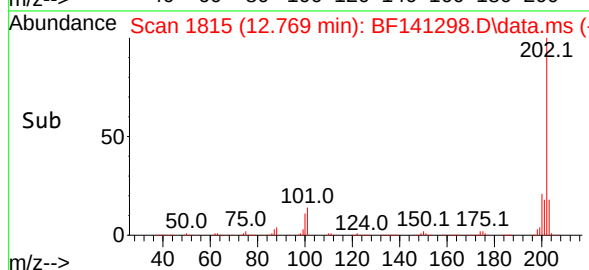
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

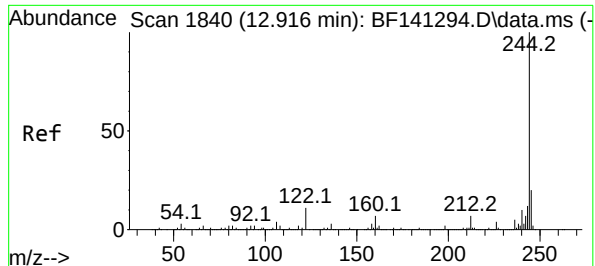


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



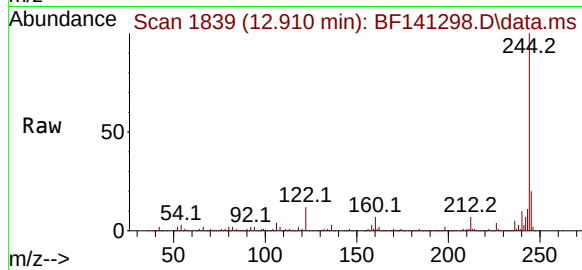
Tgt Ion:202 Resp: 894269
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.5 14.3 21.5





#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

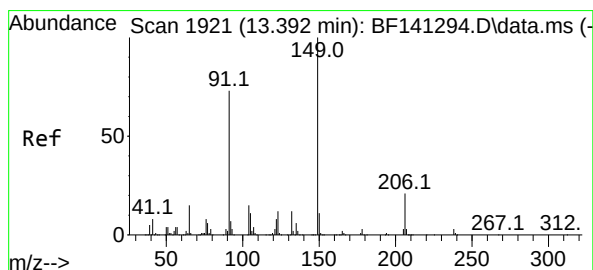
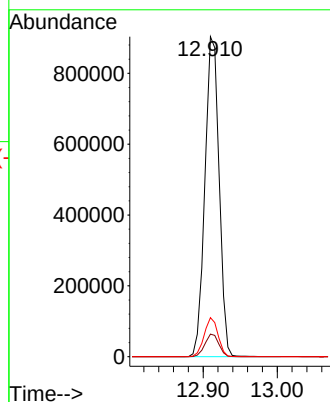
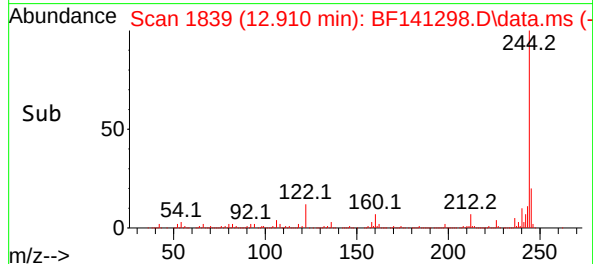
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:244 Resp: 1208358
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 12.2 8.8 13.2

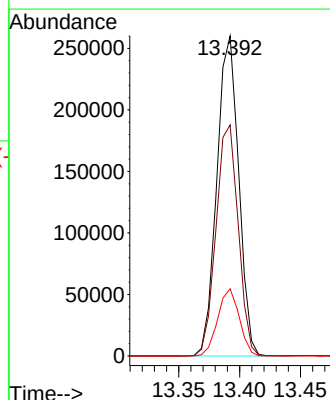
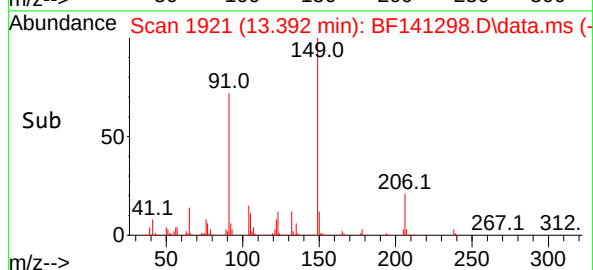
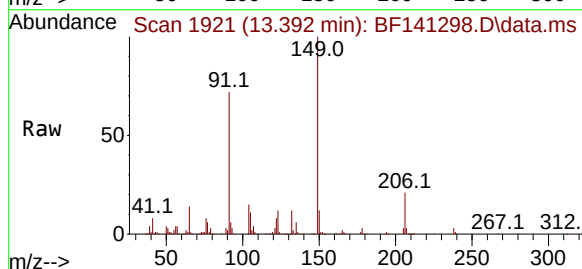
Manual Integrations
APPROVED

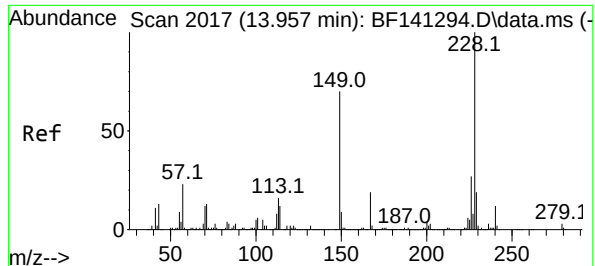
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

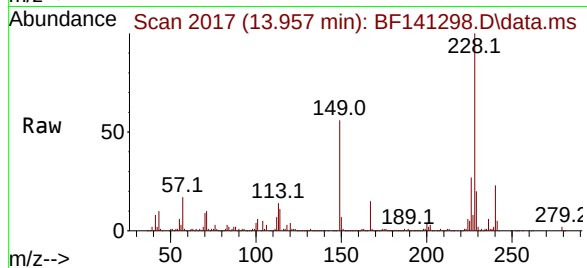
Tgt Ion:149 Resp: 324793
Ion Ratio Lower Upper
149 100
91 72.2 58.6 87.8
206 21.0 16.7 25.1





#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

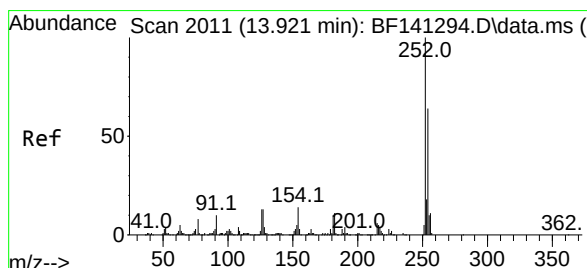
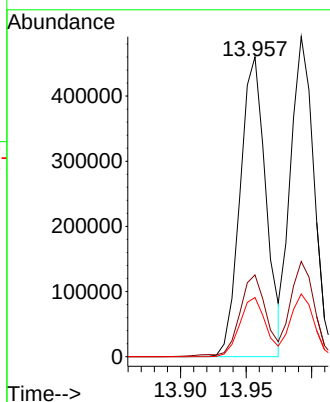
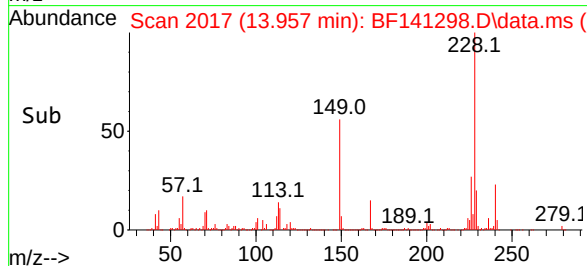
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



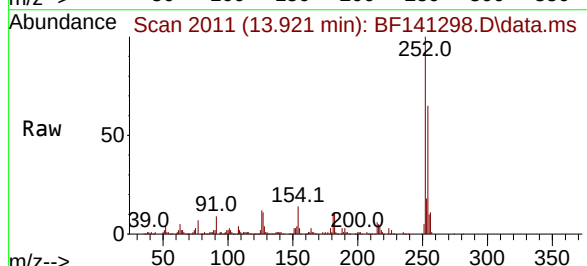
Tgt Ion:228 Resp: 631550
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations
APPROVED

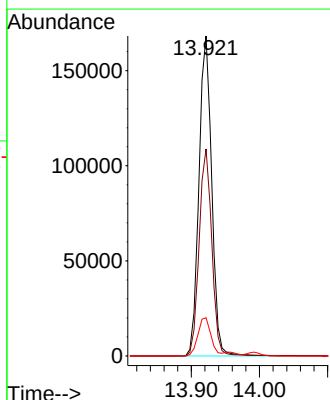
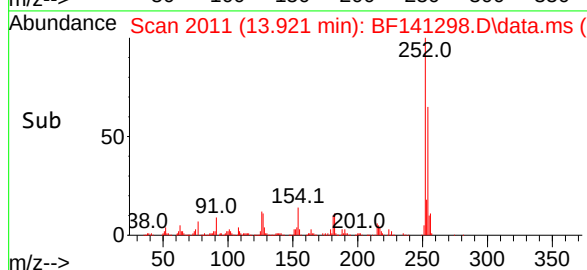
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

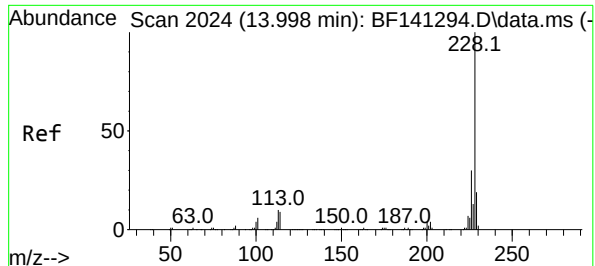


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31



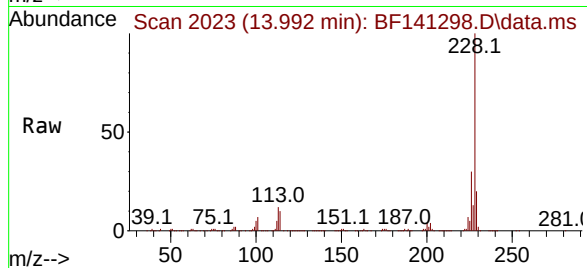
Tgt Ion:252 Resp: 218850
Ion Ratio Lower Upper
252 100
254 64.7 51.3 76.9
126 12.0 10.0 15.0





#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

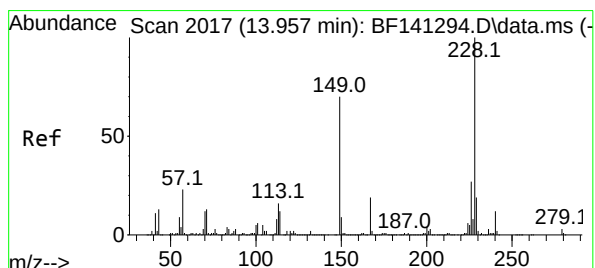
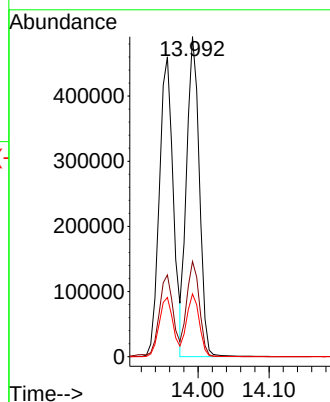
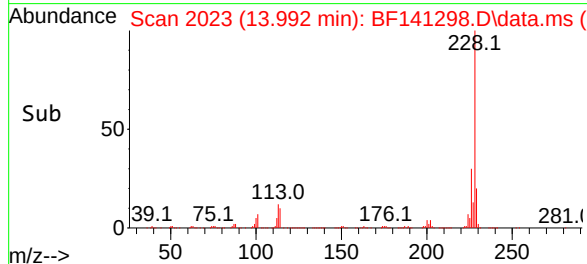
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:228 Resp: 610038
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.6 15.6 23.4

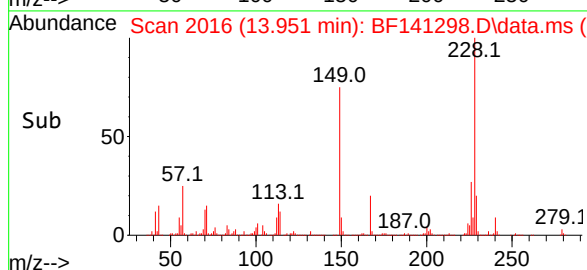
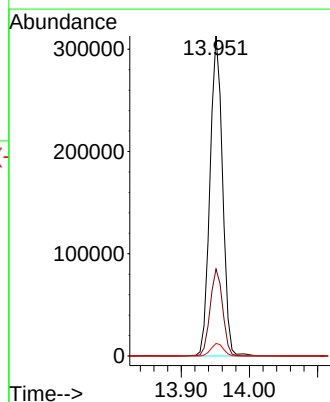
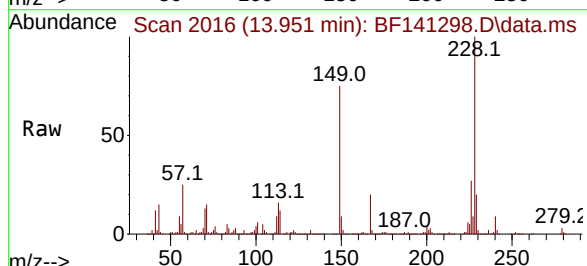
Manual Integrations
APPROVED

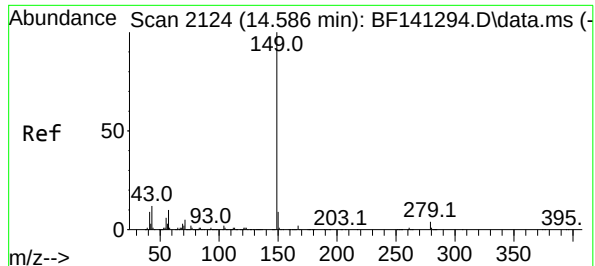
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

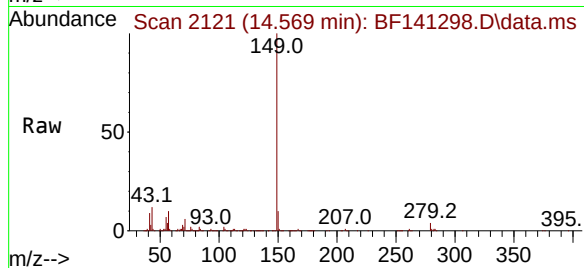
Tgt Ion:149 Resp: 400642
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

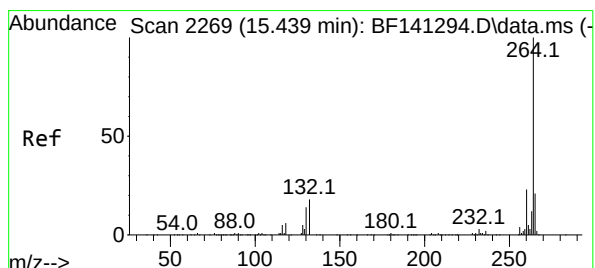
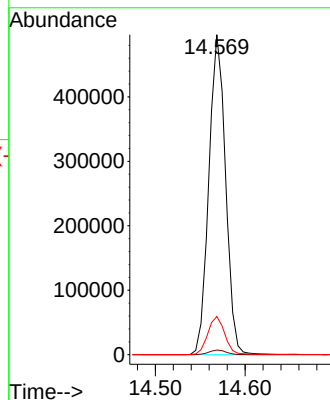
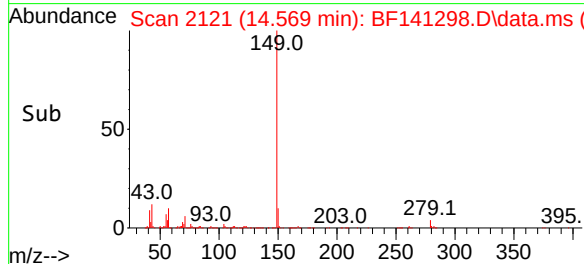
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:149 Resp: 642439
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.1 9.8 14.8

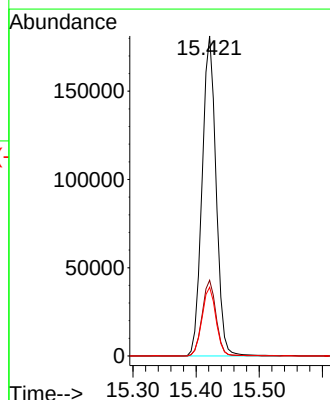
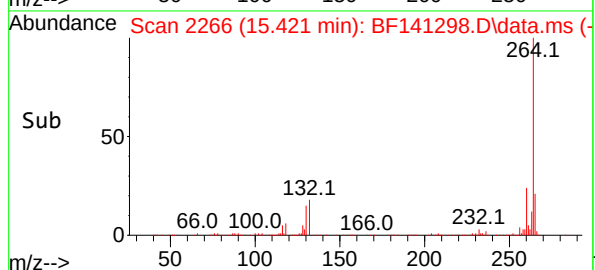
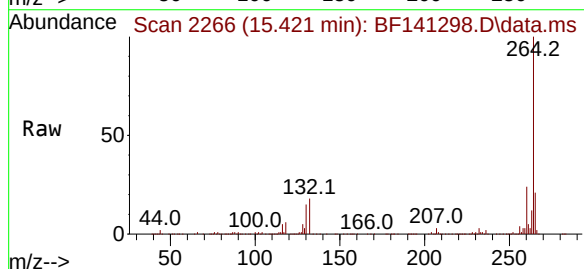
Manual Integrations
APPROVED

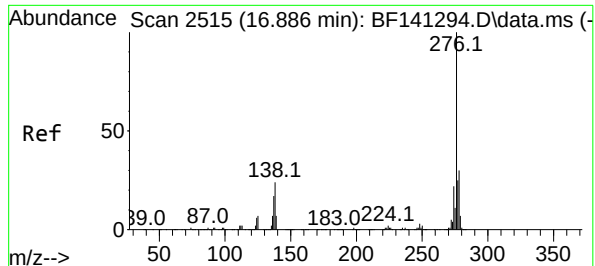
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

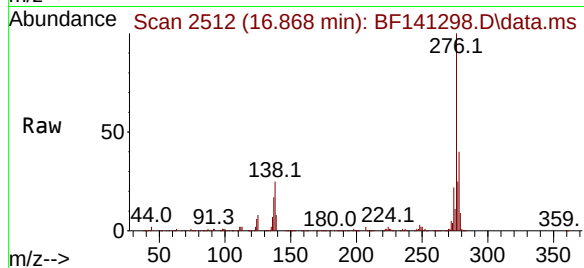
Tgt Ion:264 Resp: 279455
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

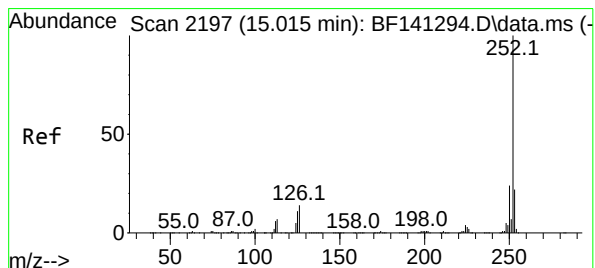
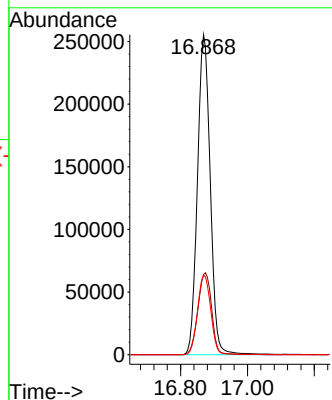
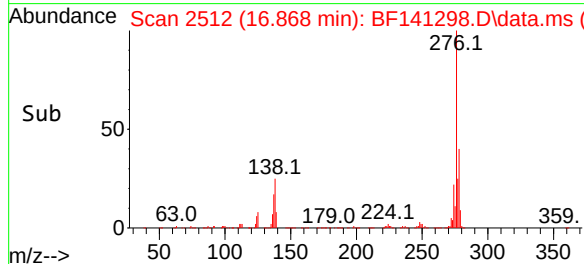
Instrument :
BNA_F
ClientSampleId :
ICVBF012925



Tgt Ion:276 Resp: 67865
Ion Ratio Lower Upper
276 100
138 27.3 21.7 32.5
277 25.7 20.3 30.5

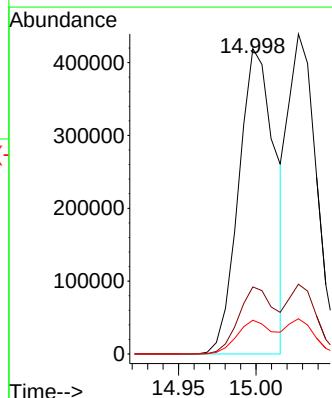
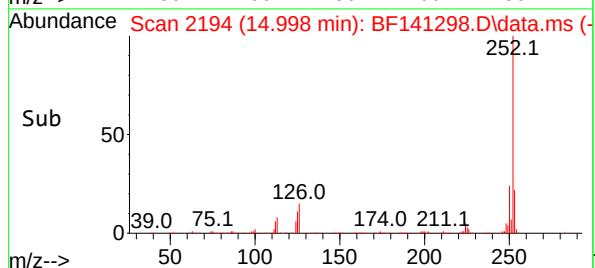
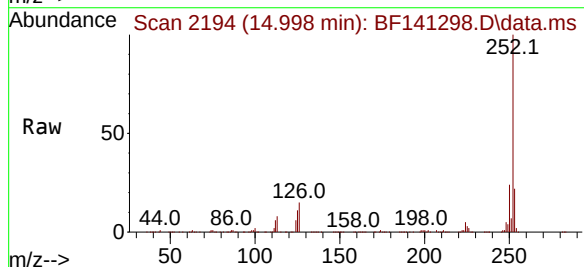
Manual Integrations
APPROVED

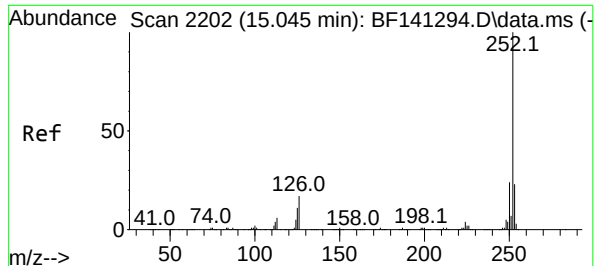
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 35.766 ng

RT: 15.027 min Scan# 2199

Delta R.T. -0.024 min

Lab File: BF141298.D

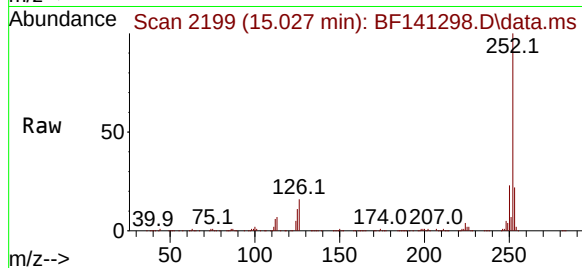
Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

ICVBF012925



Tgt Ion:252 Resp: 556960

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

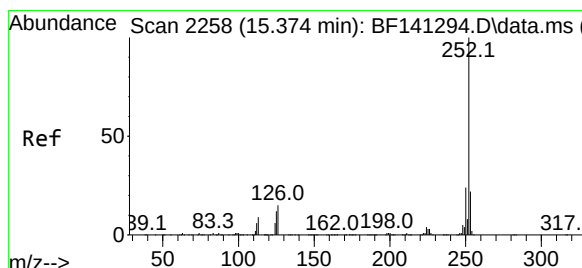
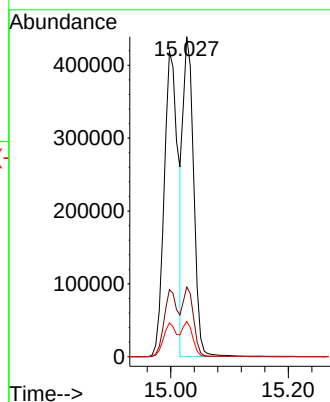
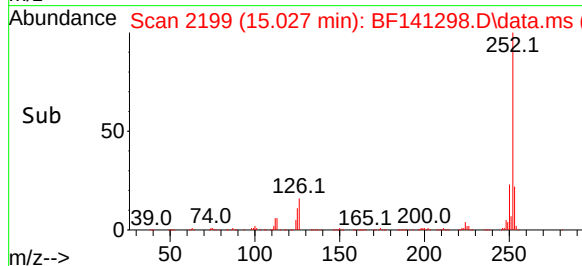
125 11.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/30/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 38.209 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

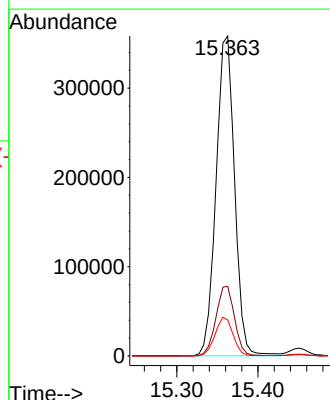
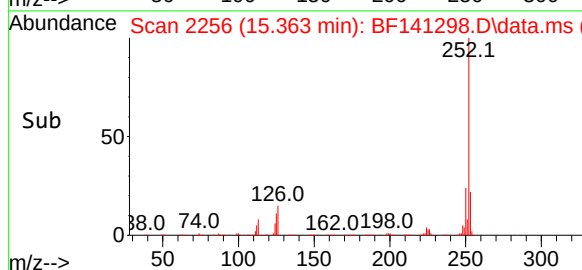
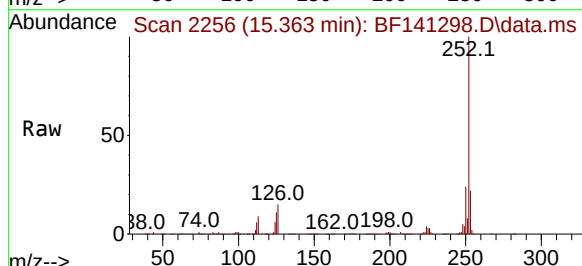
Tgt Ion:252 Resp: 567574

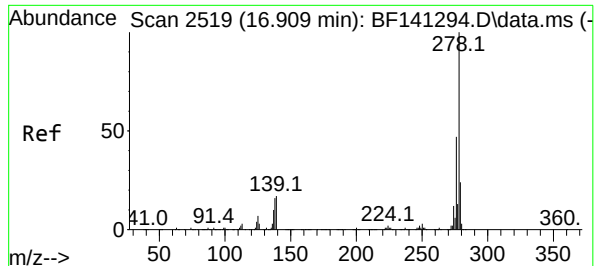
Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 11.2 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 38.007 ng

RT: 16.886 min Scan# 2515

Delta R.T. -0.035 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Instrument :

BNA_F

ClientSampleId :

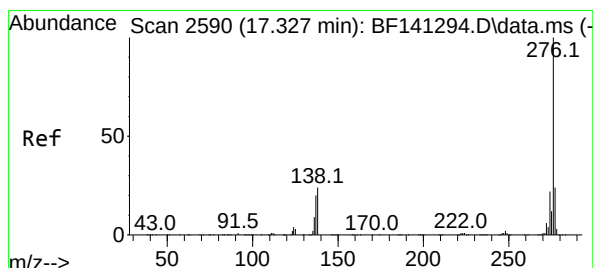
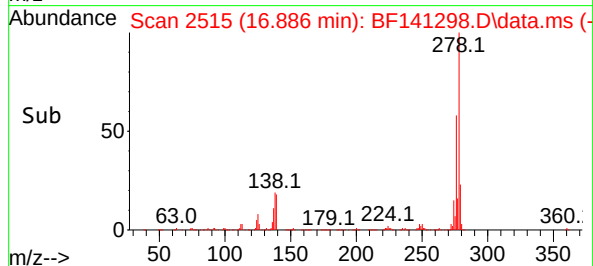
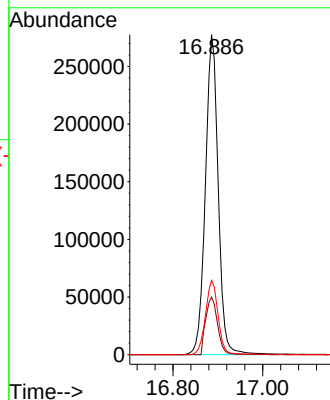
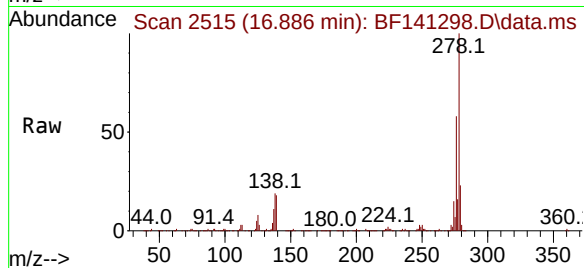
ICVBF012925

Tgt Ion:	278	Resp:	551534
Ion Ratio	Lower	Upper	
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 37.101 ng

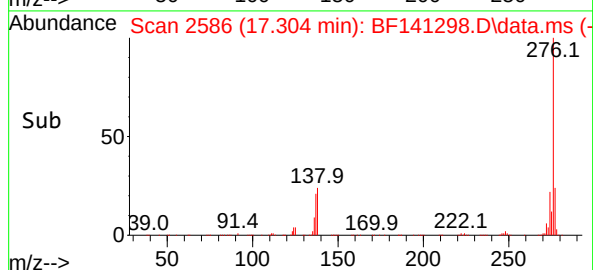
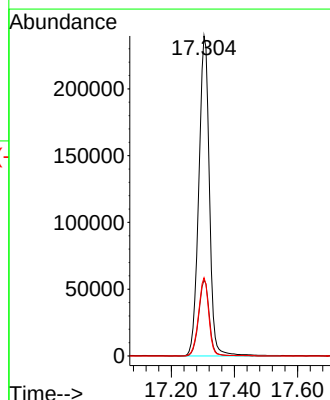
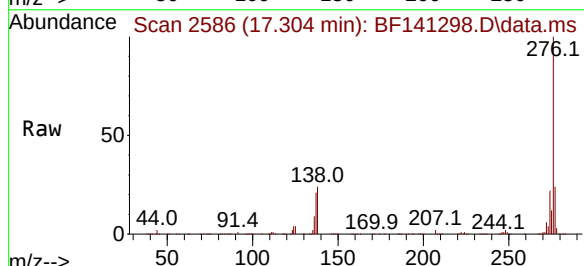
RT: 17.304 min Scan# 2586

Delta R.T. -0.041 min

Lab File: BF141298.D

Acq: 29 Jan 2025 17:31

Tgt Ion:	276	Resp:	559807
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.2	28.8
138	24.4	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2	1,4-Dioxane	0.573	0.534	6.8	97	0.00
3	Pyridine	1.380	1.326	3.9	98	-0.01
4	n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5 S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6	Aniline	1.403	1.383	1.4	99	0.00
7 S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8	2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9	Benzaldehyde	0.960	0.887	7.6	97	0.00
10 C	Phenol	1.757	1.664	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12	1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13 C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14	1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15	Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17	2-Methylphenol	1.135	1.037	8.6	97	0.00
18	Hexachloroethane	0.571	0.543	4.9	100	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20	3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.475	0.436	8.2	99	0.00
23 S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24	Nitrobenzene	0.393	0.373	5.1	99	-0.01
25	Isophorone	0.656	0.614	6.4	99	0.00
26 C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27	2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30	1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31	Naphthalene	1.057	0.981	7.2	99	0.00
32	Benzoic acid	0.217	0.225	-3.7	101	-0.04
33	4-Chloroaniline	0.358	0.333	7.0	97	0.00
34 C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35	Caprolactam	0.094	0.089	5.3	99	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37	2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38	1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42 S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44	2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45 S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46	1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47	2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.363	5.0	99	0.00
49	Acenaphthylene	1.702	1.592	6.5	99	0.00
50	Dimethylphthalate	1.351	1.246	7.8	99	0.00
51	2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52 C	Acenaphthene	1.216	1.131	7.0	99	0.00
53	3-Nitroaniline	0.307	0.293	4.6	96	0.00
54 P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55	Dibenzofuran	1.627	1.506	7.4	98	0.00
56 P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57	2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58	Fluorene	1.262	1.150	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60	Diethylphthalate	1.310	1.222	6.7	99	0.00
61	4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62	4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63	Azobenzene	1.311	1.213	7.5	98	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67	4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69	Atrazine	0.216	0.212	1.9	98	0.00
70 C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71	Phenanthrene	1.075	1.024	4.7	98	0.00
72	Anthracene	1.053	1.013	3.8	99	0.00
73	Carbazole	0.934	0.903	3.3	99	0.00
74	Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75 C	Fluoranthene	1.062	1.002	5.6	97	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77	Benzydine	0.641	0.788	-22.9	106	0.00
78	Pyrene	1.920	1.739	9.4	98	0.00
79 S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80	Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81	Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82	3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83	Chrysene	1.265	1.186	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85 c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88	Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89	Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90 C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91	Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92	Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2	1,4-Dioxane	40.000	37.296	6.8	97	0.00
3	Pyridine	40.000	38.413	4.0	98	-0.01
4	n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5 S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6	Aniline	40.000	39.437	1.4	99	0.00
7 S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8	2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9	Benzaldehyde	40.000	36.965	7.6	97	0.00
10 C	Phenol	40.000	37.888	5.3	99	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12	1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13 C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14	1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15	Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17	2-Methylphenol	40.000	36.544	8.6	97	0.00
18	Hexachloroethane	40.000	38.094	4.8	100	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20	3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	36.717	8.2	99	0.00
23 S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24	Nitrobenzene	40.000	37.927	5.2	99	-0.01
25	Isophorone	40.000	37.439	6.4	99	0.00
26 C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27	2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29 C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30	1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31	Naphthalene	40.000	37.128	7.2	99	0.00
32	Benzoic acid	40.000	41.534	-3.8	101	-0.04
33	4-Chloroaniline	40.000	37.214	7.0	97	0.00
34 C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35	Caprolactam	40.000	37.662	5.8	99	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37	2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38	1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44	2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46	1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47	2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
 Data File : BF141298.D
 Acq On : 29 Jan 2025 17:31
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF012925

Quant Time: Jan 30 03:16:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	37.970	5.1	99	0.00
49	Acenaphthylene	40.000	37.416	6.5	99	0.00
50	Dimethylphthalate	40.000	36.904	7.7	99	0.00
51	2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52 C	Acenaphthene	40.000	37.206	7.0	99	0.00
53	3-Nitroaniline	40.000	38.150	4.6	96	0.00
54 P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55	Dibenzofuran	40.000	37.012	7.5	98	0.00
56 P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57	2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58	Fluorene	40.000	36.451	8.9	97	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60	Diethylphthalate	40.000	37.316	6.7	99	0.00
61	4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62	4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63	Azobenzene	40.000	37.020	7.4	98	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67	4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68	Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69	Atrazine	40.000	39.215	2.0	98	0.00
70 C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71	Phenanthrene	40.000	38.117	4.7	98	0.00
72	Anthracene	40.000	38.484	3.8	99	0.00
73	Carbazole	40.000	38.661	3.3	99	0.00
74	Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75 C	Fluoranthene	40.000	37.768	5.6	97	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77	Benzydine	40.000	49.142	-22.9	106	0.00
78	Pyrene	40.000	36.225	9.4	98	0.00
79 S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80	Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81	Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82	3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83	Chrysene	40.000	37.508	6.2	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85 c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88	Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89	Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90 C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91	Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92	Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025
 Calibration Time(s): 11:07 14:14

LAB FILE ID:		RRF2.5 = BF141472.D		RRF005 = BF141473.D		RRF010 = BF141474.D		
		RRF020 = BF141475.D		RRF040 = BF141476.D		RRF050 = BF141477.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.276	3.8
Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.857	13.9
Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.612	3.1
Phenol		1.693	1.681	1.817	1.685	1.659	1.678	4.4
bis(2-Chloroethyl) ether		1.262	1.229	1.296	1.266	1.252	1.261	1.6
2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.378	3.4
2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.079	3.1
2,2-oxybis(1-Chloropropane)		2.222	2.245	2.313	2.165	2.119	2.158	5.5
Acetophenone		0.517	0.502	0.521	0.493	0.483	0.498	3.4
3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.371	5.5
n-Nitroso-di-n-propylamine	0.950	0.978	0.985	1.039	0.969	0.947	0.964	4.0
Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.383	1.6
Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.550	3.6
Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.374	1.3
Isophorone		0.611	0.594	0.633	0.611	0.601	0.611	2.0
2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.186	4.9
2,4-Dimethylphenol		0.208	0.212	0.221	0.223	0.218	0.217	2.5
bis(2-Chloroethoxy) methane		0.384	0.390	0.408	0.394	0.387	0.392	2.0
2,4-Dichlorophenol		0.286	0.287	0.312	0.296	0.290	0.294	2.9
Naphthalene		1.067	1.041	1.096	1.037	1.012	1.041	3.0
4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.363	2.8
Hexachlorobutadiene		0.193	0.191	0.200	0.192	0.188	0.192	2.0
Caprolactam		0.083	0.085	0.094	0.093	0.088	0.089	4.8
4-Chloro-3-methylphenol		0.310	0.324	0.342	0.329	0.324	0.325	2.9
2-Methylnaphthalene		0.688	0.689	0.719	0.669	0.659	0.677	3.4
Hexachlorocyclopentadiene			0.138	0.180	0.204	0.205	0.192	15.4
2,4,6-Trichlorophenol		0.364	0.365	0.389	0.377	0.373	0.374	2.3
2-Fluorobiphenyl		1.373	1.360	1.385	1.269	1.241	1.298	5.6
2,4,5-Trichlorophenol		0.385	0.407	0.430	0.410	0.394	0.405	3.5
1,1-Biphenyl		1.582	1.564	1.632	1.545	1.517	1.551	3.2
2-Chloronaphthalene		1.167	1.161	1.211	1.135	1.114	1.147	3.2
2-Nitroaniline		0.371	0.371	0.394	0.390	0.382	0.385	2.9
Dimethylphthalate		1.382	1.359	1.408	1.345	1.324	1.358	2.1
Acenaphthylene		1.739	1.736	1.791	1.696	1.660	1.705	3.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025
 Calibration Time(s): 11:07 14:14

LAB FILE ID:		RRF2.5 = BF141472.D			RRF005 = BF141473.D		RRF010 = BF141474.D	
		RRF020 = BF141475.D			RRF040 = BF141476.D		RRF050 = BF141477.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.289	0.290	0.314	0.301	0.295	0.297	3.1
3-Nitroaniline		0.312	0.313	0.335	0.319	0.320	0.319	2.4
Acenaphthene		1.186	1.164	1.188	1.152	1.108	1.147	3.1
2,4-Dinitrophenol			0.133	0.167	0.177	0.185	0.176	13.8
4-Nitrophenol		0.190	0.216	0.247	0.249	0.249	0.237	10.4
Dibenzofuran		1.768	1.722	1.774	1.673	1.633	1.683	4.4
2,4-Dinitrotoluene		0.383	0.403	0.414	0.398	0.390	0.395	2.8
Diethylphthalate		1.400	1.346	1.398	1.330	1.300	1.336	3.7
4-Chlorophenyl-phenylether		0.661	0.643	0.659	0.622	0.602	0.626	4.7
Fluorene		1.359	1.361	1.377	1.290	1.239	1.301	4.9
4-Nitroaniline		0.315	0.319	0.333	0.335	0.319	0.324	2.3
4,6-Dinitro-2-methylphenol			0.116	0.140	0.142	0.142	0.139	8.5
n-Nitrosodiphenylamine		0.650	0.653	0.674	0.627	0.625	0.640	3.0
2,4,6-Tribromophenol		0.201	0.200	0.210	0.200	0.199	0.201	2.1
4-Bromophenyl-phenylether		0.228	0.220	0.234	0.221	0.220	0.224	2.5
Hexachlorobenzene		0.229	0.234	0.241	0.227	0.224	0.230	2.5
Atrazine		0.200	0.203	0.214	0.185	0.185	0.192	7.1
Pentachlorophenol		0.116	0.131	0.151	0.154	0.158	0.147	11.7
Phenanthrene		1.141	1.132	1.161	1.084	1.071	1.101	3.9
Anthracene		1.168	1.126	1.158	1.082	1.084	1.107	4.0
Carbazole		1.022	1.026	1.076	0.986	0.966	0.996	4.9
Di-n-butylphthalate		1.165	1.156	1.223	1.141	1.132	1.150	3.3
Fluoranthene		1.251	1.239	1.243	1.151	1.129	1.167	6.6
Pyrene		1.528	1.557	1.717	1.745	1.774	1.703	6.7
Terphenyl-d14		1.129	1.104	1.211	1.198	1.209	1.185	4.1
Butylbenzylphthalate		0.525	0.540	0.605	0.609	0.603	0.590	6.8
3,3-Dichlorobenzidine		0.397	0.411	0.407	0.377	0.363	0.381	6.3
Benzo (a) anthracene		1.381	1.332	1.350	1.345	1.309	1.329	2.5
Chrysene		1.187	1.223	1.314	1.201	1.215	1.228	3.3
Bis (2-ethylhexyl) phthalate		0.593	0.610	0.685	0.689	0.680	0.665	6.7
Di-n-octyl phthalate		0.802	0.814	0.910	0.965	1.010	0.949	11.8
Benzo (b) fluoranthene		1.286	1.407	1.398	1.336	1.350	1.343	3.9
Benzo (k) fluoranthene		1.113	1.216	1.247	1.142	1.074	1.147	5.5
Benzo (a) pyrene		1.085	1.074	1.115	1.080	1.069	1.087	1.4
Indeno (1,2,3-cd) pyrene		0.987	1.029	1.186	1.288	1.341	1.236	14.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RUTW01
 Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235
 Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025
 Calibration Time(s): 11:07 14:14

LAB FILE ID:		RRF2.5 = BF141472.D		RRF005 = BF141473.D		RRF010 = BF141474.D		
		RRF020 = BF141475.D		RRF040 = BF141476.D		RRF050 = BF141477.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.796	0.828	0.970	1.051	1.092	1.001	14.1
Benzo (g,h,i) perylene		0.805	0.864	1.001	1.100	1.144	1.048	15.6
1,2,4,5-Tetrachlorobenzene		0.582	0.588	0.600	0.584	0.560	0.579	2.5
1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.513	1.7
2,3,4,6-Tetrachlorophenol		0.332	0.361	0.359	0.348	0.348	0.349	3.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Feb 06 16:58:59 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF141479.D

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

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73	
3)	Pyridine	1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79	
4)	n-Nitrosodimet...	0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83	
5) S	2-Fluorophenol	1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77	
6)	Aniline	1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42	
7) S	Phenol-d6	1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13	
8)	2-Chlorophenol	1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38	
9)	Benzaldehyde	0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92	
10) C	Phenol	1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42	
11)	bis(2-Chloroet...	1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59	
12)	1,3-Dichlorobe...	1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95	
13) C	1,4-Dichlorobe...	1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59	
14)	1,2-Dichlorobe...	1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55	
15)	Benzyl Alcohol	1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19	
16)	2,2'-oxybis(1-...	2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45	
17)	2-Methylphenol	1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15	
18)	Hexachloroethane	0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59	
19) P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)	3+4-Methylphenols	1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35	
23) S	Nitrobenzene-d5	0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58	
24)	Nitrobenzene	0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29	
25)	Isophorone	0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04	
26) C	2-Nitrophenol	0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91	
27)	2,4-Dimethylph...	0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46	
28)	bis(2-Chloroet...	0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03	
29) C	2,4-Dichloroph...	0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95	
30)	1,2,4-Trichlor...	0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12	
31)	Naphthalene	1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98	
32)	Benzoic acid		0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70	
33)	4-Chloroaniline	0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82	
34) C	Hexachlorobuta...	0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01	
35)	Caprolactam	0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75	
36) C	4-Chloro-3-met...	0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91	
37)	2-Methylnaphth...	0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42	
38)	1-Methylnaphth...	0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020625.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41) P	Hexachlorocycl...	0.138	0.180	0.204	0.205	0.214	0.214	0.192		15.36
42) S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43) C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)	2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45) S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)	1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)	2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)	2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)	Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)	Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)	2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52) C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)	3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54) P	2,4-Dinitrophenol	0.133	0.167	0.177	0.185	0.198	0.198	0.176		13.83
55)	Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56) P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)	2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)	Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)	2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)	Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)	4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)	4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)	Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.116	0.140	0.142	0.142	0.146	0.148	0.139		8.48
66) c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)	4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)	Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)	Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70) C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)	Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)	Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)	Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)	Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75) C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)	Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79) S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)	Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)	Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)	3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)	Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)	Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85) c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06	
88)	Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88	
89)	Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49	
90) C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41	
91)	Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13	
92)	Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60	

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

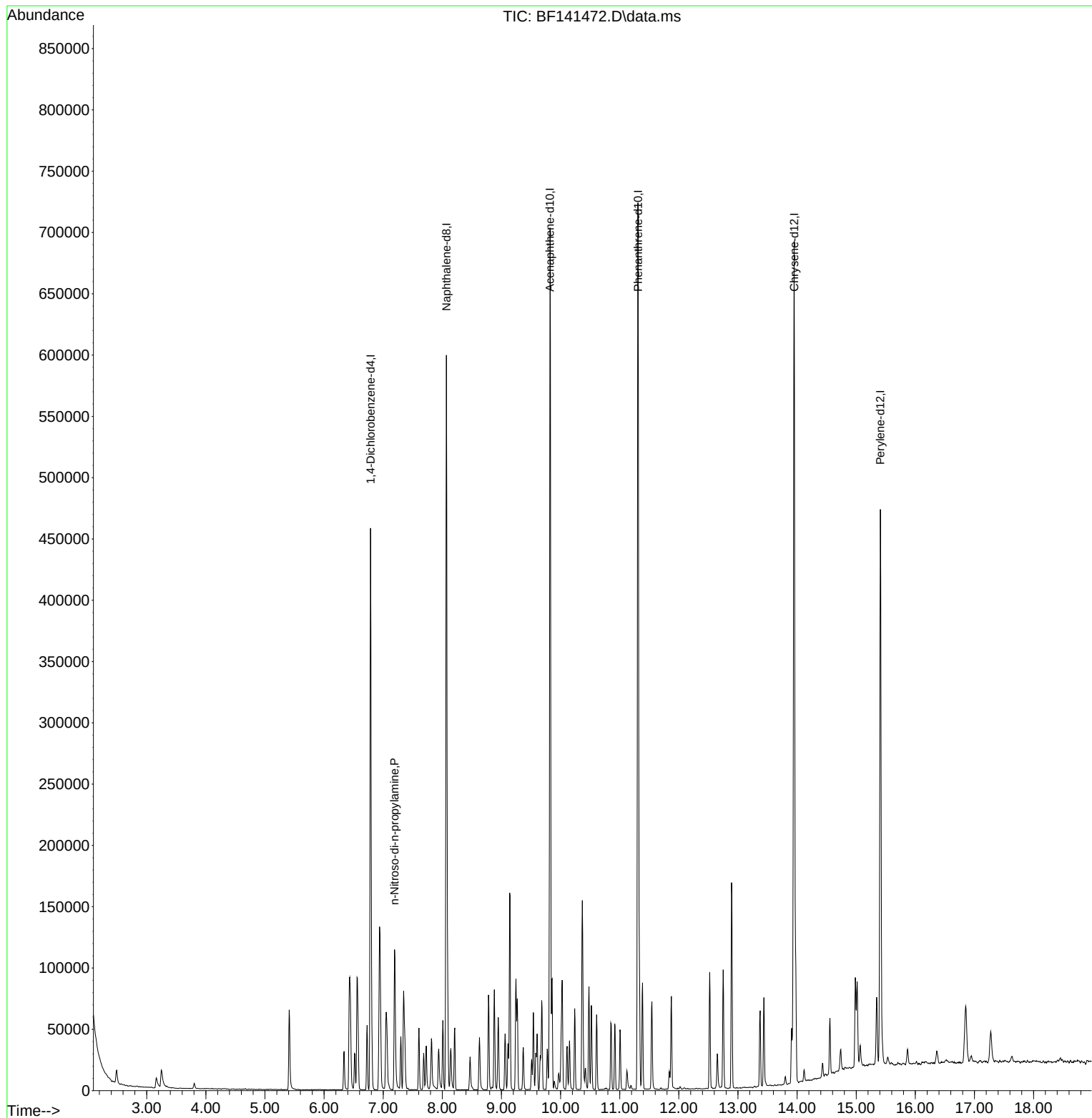
Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

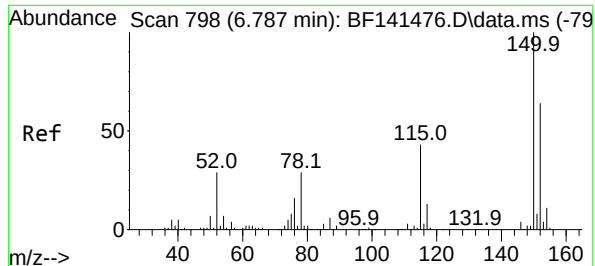
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91402	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372084	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	206500	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	361595	20.000	ng	0.00
76) Chrysene-d12	13.951	240	309941	20.000	ng	-0.01
86) Perylene-d12	15.410	264	259363	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...	7.192	70	10850	2.462	ng	92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141472.D
Acq On : 06 Feb 2025 11:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

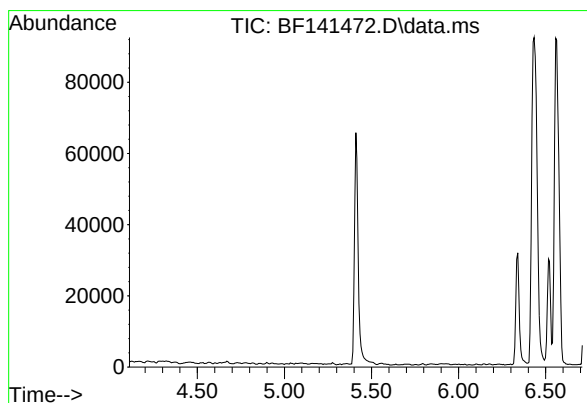
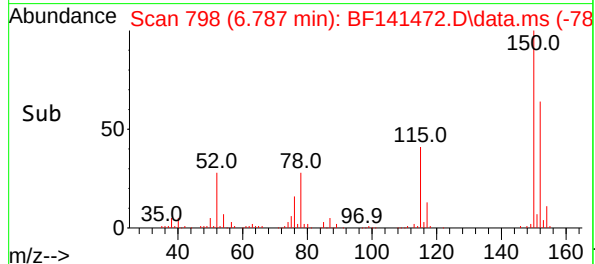
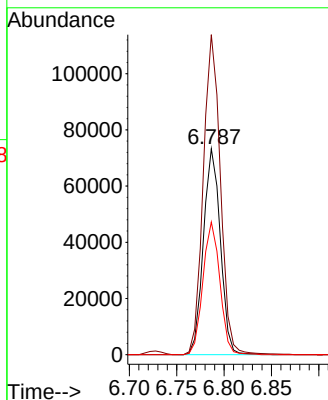
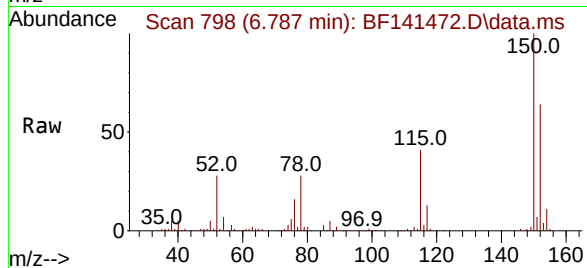
Quant Time: Feb 06 16:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

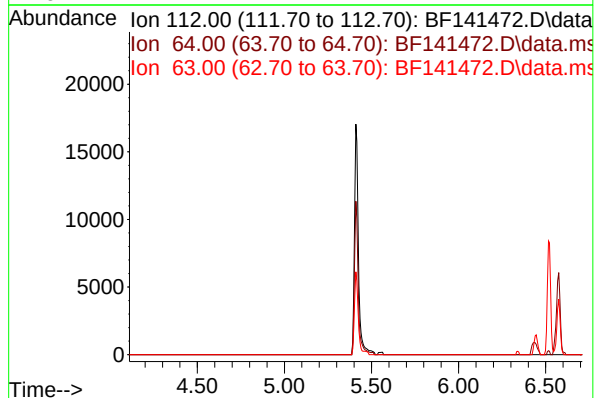
Tgt Ion:152 Resp: 91402
Ion Ratio Lower Upper
152 100
150 155.4 125.0 187.4
115 64.4 53.6 80.4

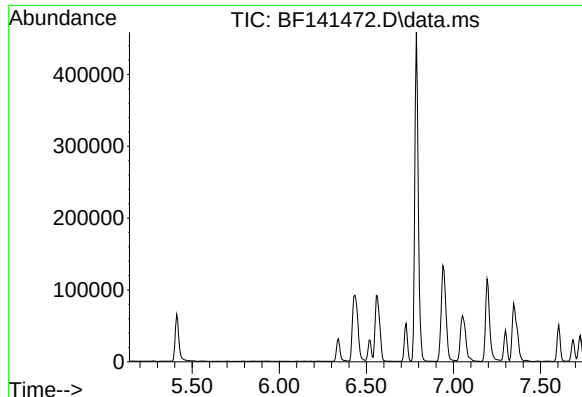


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.41 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion: 112
Sig Exp Ratio
112 100
64 63.9
63 35.5

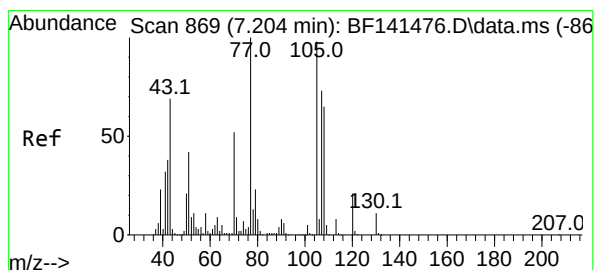
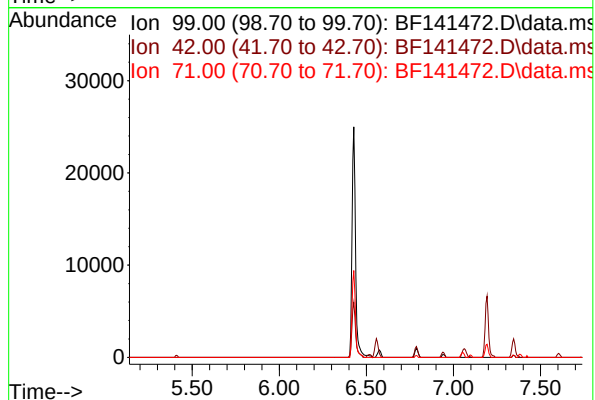




#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.44 min

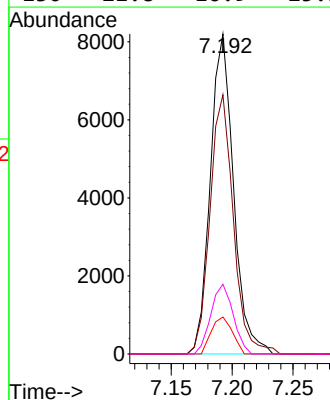
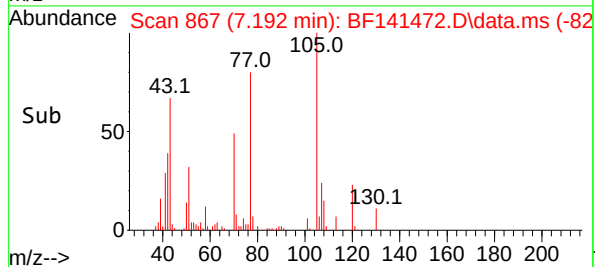
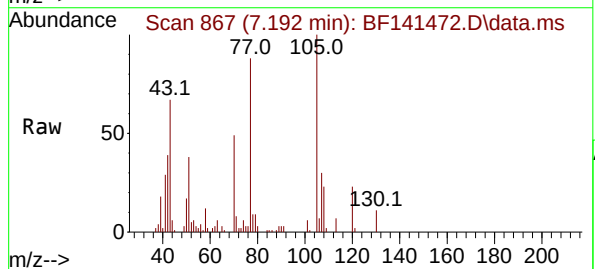
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

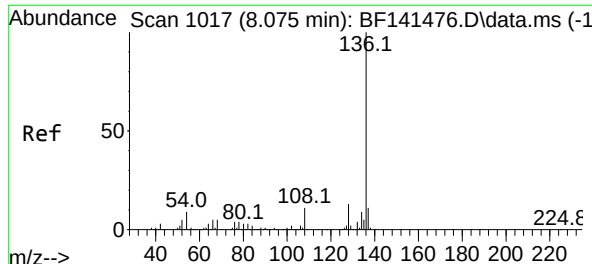
Tgt Ion: 99
Sig Exp Ratio
99 100
42 23.9
71 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

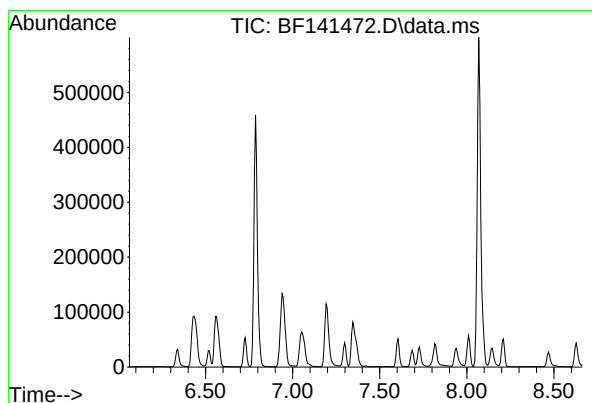
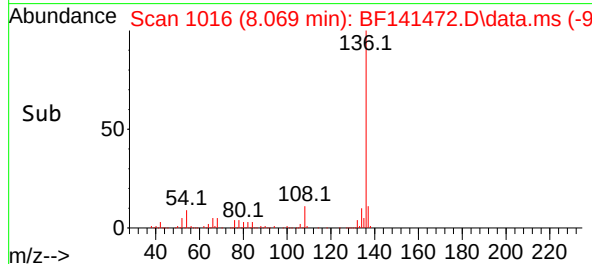
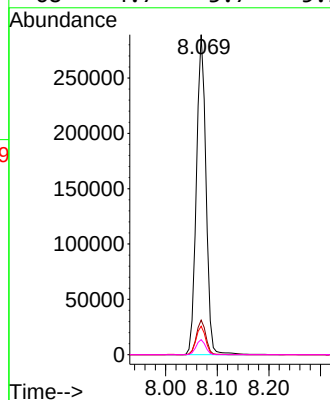
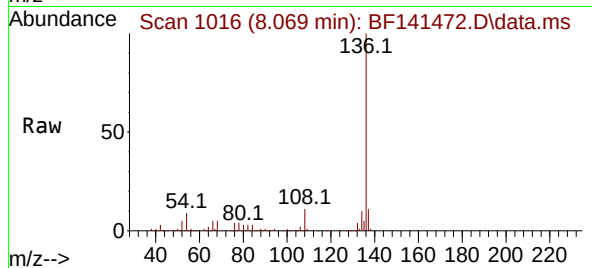
Tgt Ion: 70 Resp: 10850
Ion Ratio Lower Upper
70 100
42 81.0 57.4 86.2
101 11.5 8.0 12.0
130 21.8 16.9 25.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

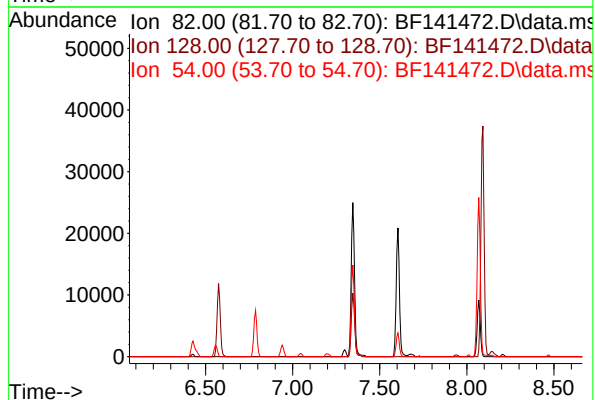
Tgt Ion	136	137	54	68
Ratio	100	10.8	8.9	4.7
Lower		8.6	7.2	3.7
Upper		13.0	10.8	5.5

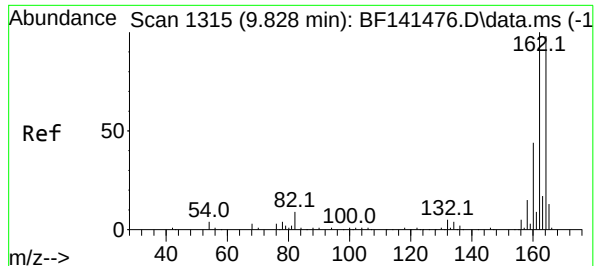


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion	82	128	54
Sig	82	128	54
Exp Ratio	100	43.5	60.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

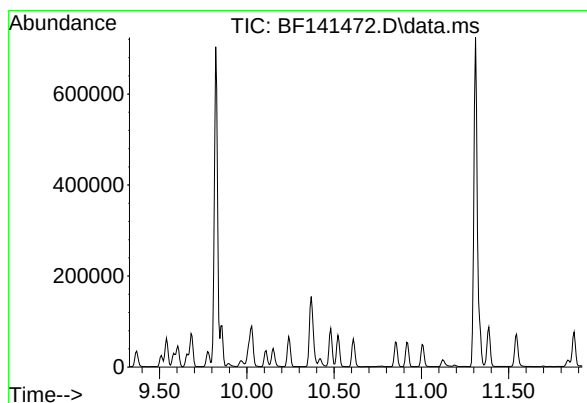
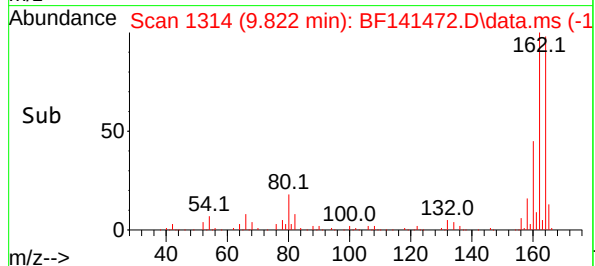
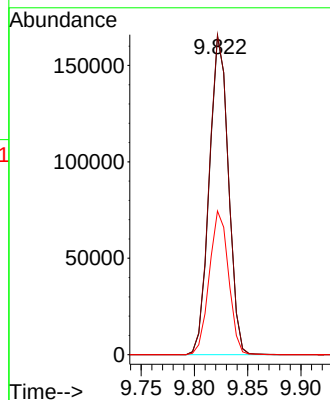
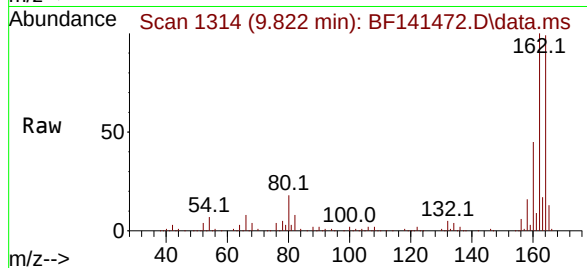
Tgt Ion:164 Resp: 206500

Ion Ratio Lower Upper

164 100

162 100.5 81.3 121.9

160 45.1 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 10.63 min

Lab File: BF141472.D

Acq: 06 Feb 2025 11:07

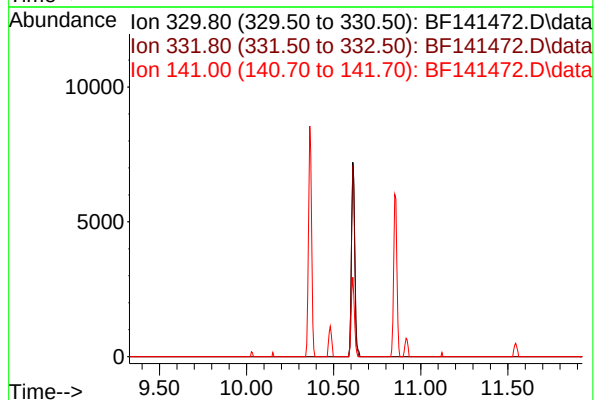
Tgt Ion: 330

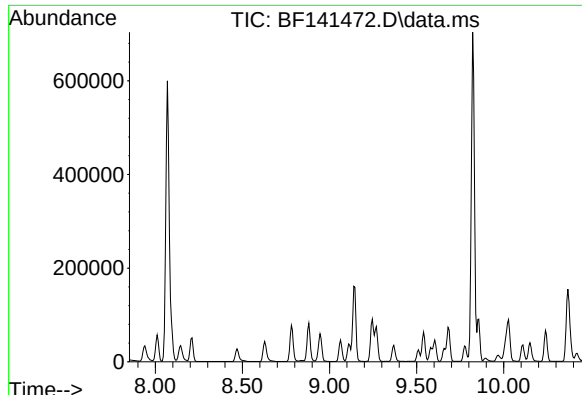
Sig Exp Ratio

330 100

332 98.1

141 38.7

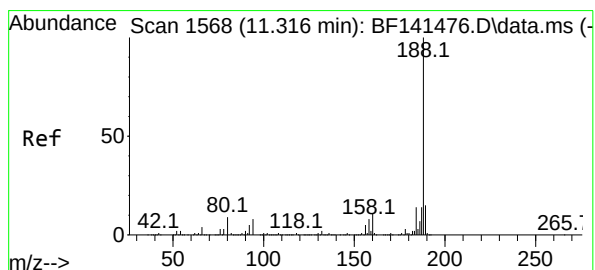
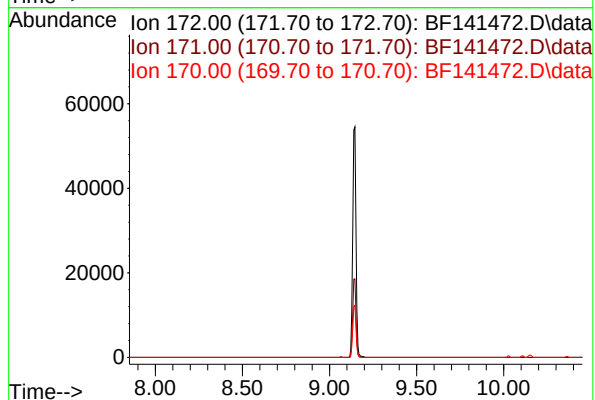




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.15 min

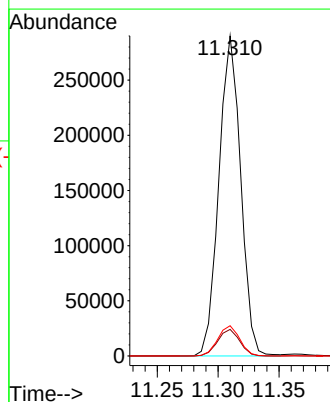
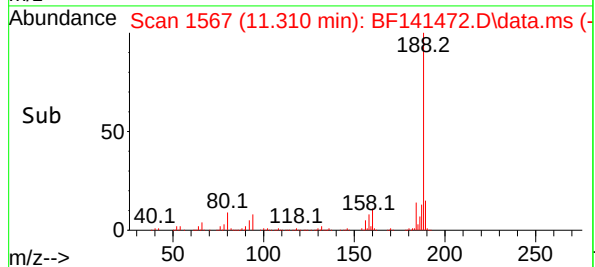
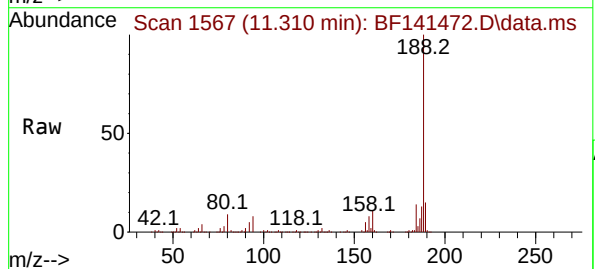
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

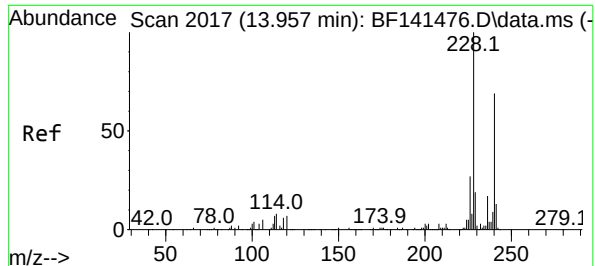
Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.9
170 23.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

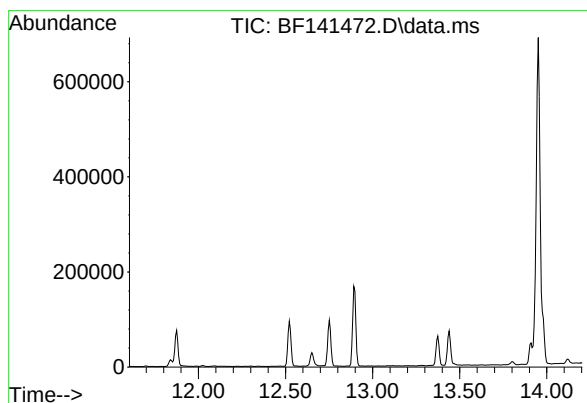
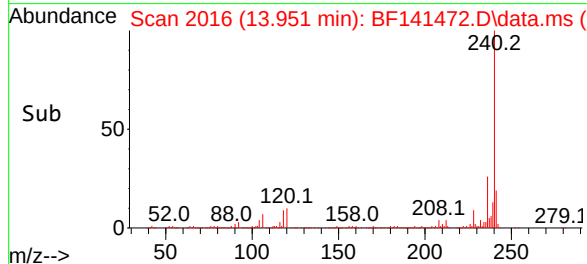
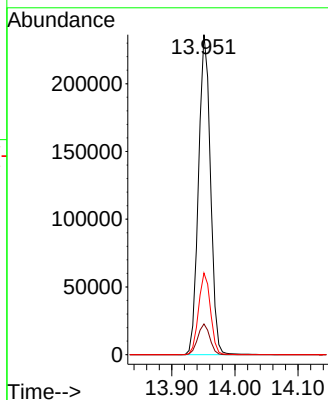
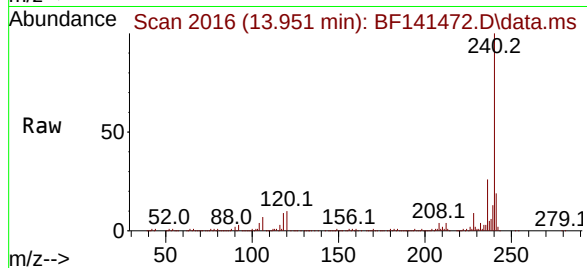
Tgt Ion: 188 Resp: 361595
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.5 7.3 10.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

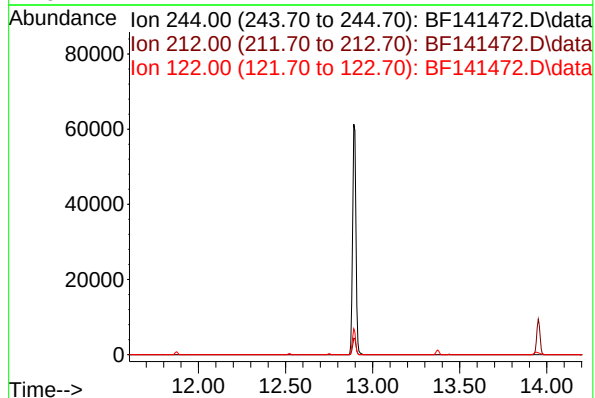
Tgt Ion: 240 Resp: 309941
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.5 19.8 29.8

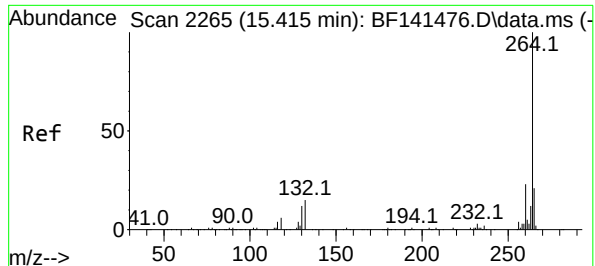


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.90 min

Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

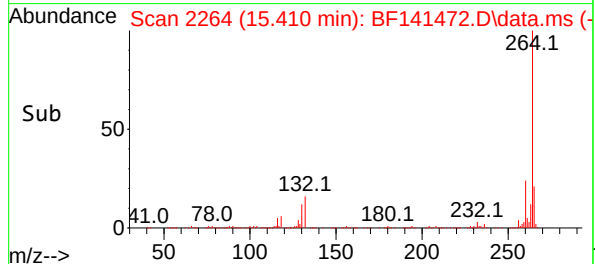
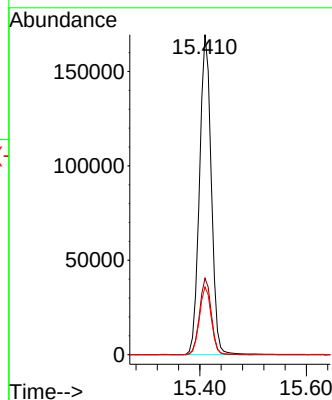
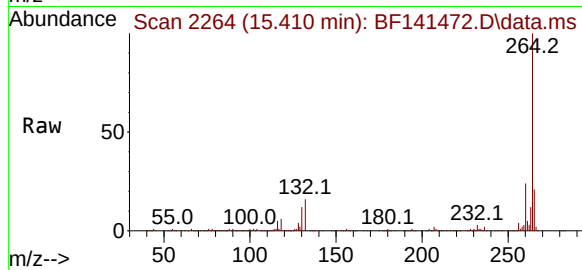
Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.0
122 10.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141472.D
Acq: 06 Feb 2025 11:07

Tgt Ion:264 Resp: 259363
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 21.2 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141473.D
 Acq On : 06 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 06 16:00:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89396	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	358966	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	199514	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	351213	20.000	ng	0.00
76) Chrysene-d12	13.951	240	295087	20.000	ng	-0.01
86) Perylene-d12	15.410	264	233325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	55200	9.680	ng	0.00
7) Phenol-d6	6.422	99	72376	10.042	ng	-0.02
23) Nitrobenzene-d5	7.345	82	68257	9.918	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	20060	10.009	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	136925	10.573	ng	0.00
79) Terphenyl-d14	12.892	244	166601	9.531	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	11419	4.976	ng	95
3) Pyridine	3.228	79	23540	4.310	ng	97
4) n-Nitrosodimethylamine	3.152	42	16481	4.558	ng	# 96
6) Aniline	6.445	93	32993	4.880	ng	97
8) 2-Chlorophenol	6.575	128	31263	5.074	ng	99
9) Benzaldehyde	6.334	77	19944	5.207	ng	94
10) Phenol	6.440	94	37833	5.044	ng	97
11) bis(2-Chloroethyl)ether	6.522	93	28203	5.006	ng	97
12) 1,3-Dichlorobenzene	6.728	146	32913	5.060	ng	99
13) 1,4-Dichlorobenzene	6.804	146	34555	5.199	ng	97
14) 1,2-Dichlorobenzene	6.957	146	31141	5.049	ng	96
15) Benzyl Alcohol	6.928	79	26612	4.815	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	49667	5.150	ng	99
17) 2-Methylphenol	7.045	107	24939	5.173	ng	96
18) Hexachloroethane	7.298	117	12043	4.896	ng	98
19) n-Nitroso-di-n-propyla...	7.192	70	21865	5.072	ng	97
20) 3+4-Methylphenols	7.198	107	32221	5.258	ng	94
22) Acetophenone	7.192	105	46441	5.201	ng	95
24) Nitrobenzene	7.363	77	33173	4.943	ng	99
25) Isophorone	7.604	82	54796	4.993	ng	99
26) 2-Nitrophenol	7.687	139	15331	4.592	ng	97
27) 2,4-Dimethylphenol	7.728	122	18659	4.784	ng	99
28) bis(2-Chloroethoxy)met...	7.816	93	34469	4.902	ng	100
29) 2,4-Dichlorophenol	7.934	162	25667	4.870	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	29321	5.109	ng	96
31) Naphthalene	8.092	128	95730	5.123	ng	99
33) 4-Chloroaniline	8.145	127	31729	4.864	ng	98
34) Hexachlorobutadiene	8.210	225	17323	5.028	ng	98
35) Caprolactam	8.475	113	7437	4.635	ng	94
36) 4-Chloro-3-methylphenol	8.628	107	27818	4.765	ng	98
37) 2-Methylnaphthalene	8.781	142	61742	5.078	ng	97
38) 1-Methylnaphthalene	8.881	142	61026	5.182	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	29023	5.028	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	18144	4.863	ng	99
44) 2,4,5-Trichlorophenol	9.110	196	19204	4.750	ng	98
46) 1,1'-Biphenyl	9.245	154	78931	5.103	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141473.D
 Acq On : 06 Feb 2025 11:34
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

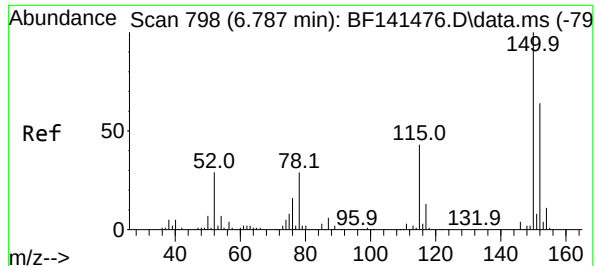
Quant Time: Feb 06 16:00:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.269	162	58201	5.088	ng	100
48) 2-Nitroaniline	9.369	65	18494	4.818	ng	98
49) Acenaphthylene	9.681	152	86721	5.097	ng	100
50) Dimethylphthalate	9.539	163	68921	5.088	ng	99
51) 2,6-Dinitrotoluene	9.604	165	14394	4.861	ng	94
52) Acenaphthene	9.857	154	59139	5.171	ng	99
53) 3-Nitroaniline	9.775	138	15563	4.884	ng	98
55) Dibenzofuran	10.028	168	88178	5.252	ng	99
56) 4-Nitrophenol	9.963	139	9482	4.008	ng	94
57) 2,4-Dinitrotoluene	10.010	165	19087	4.842	ng	# 96
58) Fluorene	10.369	166	67764	5.220	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	16570	4.760	ng	99
60) Diethylphthalate	10.239	149	69845	5.241	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	32951	5.277	ng	99
62) 4-Nitroaniline	10.381	138	15711	4.855	ng	95
63) Azobenzene	10.522	77	67256	5.077	ng	99
66) n-Nitrosodiphenylamine	10.481	169	57063	5.076	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	20012	5.098	ng	99
68) Hexachlorobenzene	10.922	284	20138	4.982	ng	98
69) Atrazine	11.010	200	17519	5.194	ng	93
70) Pentachlorophenol	11.122	266	10151	3.928	ng	98
71) Phenanthrene	11.333	178	100202	5.183	ng	100
72) Anthracene	11.386	178	102596	5.279	ng	98
73) Carbazole	11.545	167	89721	5.131	ng	100
74) Di-n-butylphthalate	11.875	149	102296	5.066	ng	100
75) Fluoranthene	12.522	202	109883	5.361	ng	98
77) Benzidine	12.651	184	34946	5.370	ng	99
78) Pyrene	12.751	202	112700	4.486	ng	100
80) Butylbenzylphthalate	13.374	149	38714	4.449	ng	98
81) Benzo(a)anthracene	13.939	228	101861	5.193	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	29306	5.216	ng	98
83) Chrysene	13.980	228	87555	4.834	ng	100
84) Bis(2-ethylhexyl)phtha...	13.933	149	43735	4.457	ng	98
85) Di-n-octyl phthalate	14.557	149	59200	4.229	ng	100
87) Indeno(1,2,3-cd)pyrene	16.839	276	57572	3.993	ng	99
88) Benzo(b)fluoranthene	14.986	252	75033	4.789	ng	99
89) Benzo(k)fluoranthene	15.016	252	64919	4.853	ng	98
90) Benzo(a)pyrene	15.345	252	63295	4.993	ng	98
91) Dibenzo(a,h)anthracene	16.857	278	46421	3.974	ng	98
92) Benzo(g,h,i)perylene	17.274	276	46952	3.841	ng	99

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

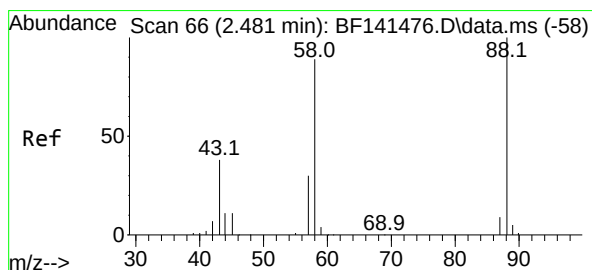
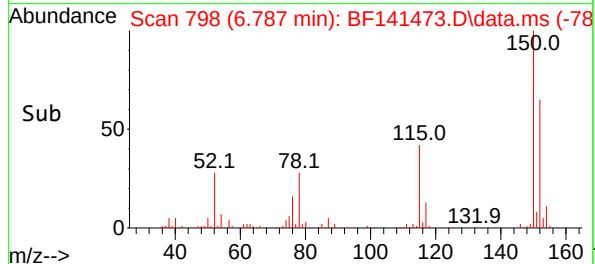
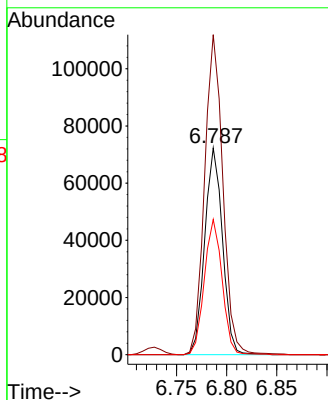
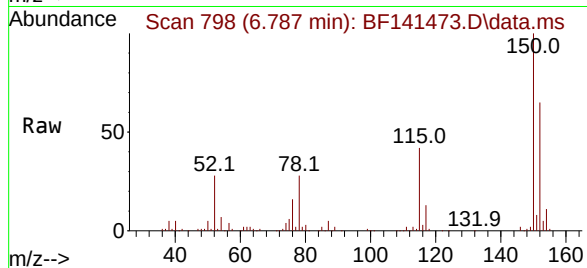
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





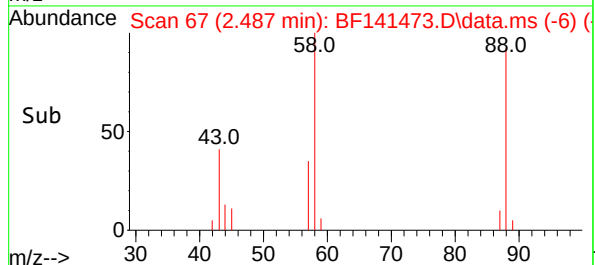
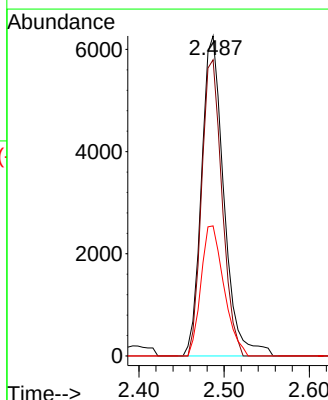
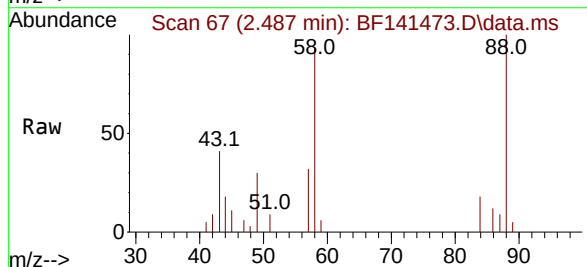
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

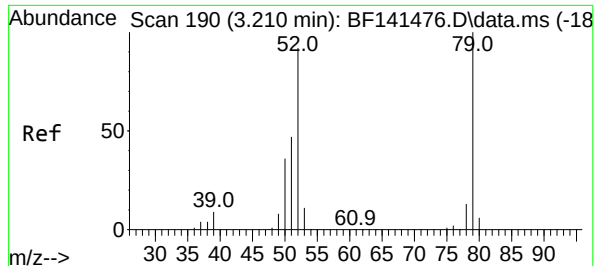
Tgt Ion:152 Resp: 89396
Ion Ratio Lower Upper
152 100
150 154.8 125.0 187.4
115 65.4 53.6 80.4



#2
1,4-Dioxane
Concen: 4.976 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

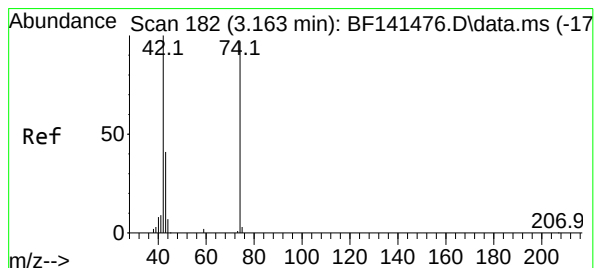
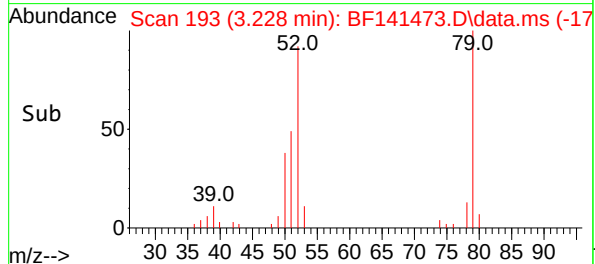
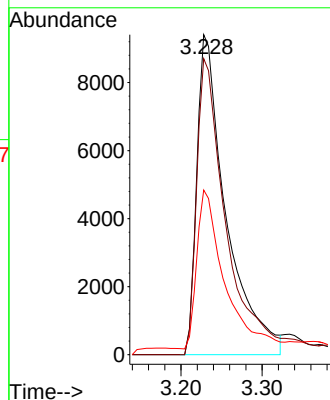
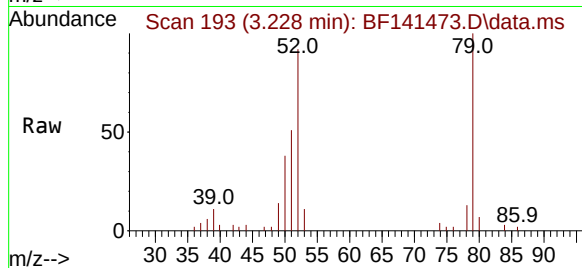
Tgt Ion: 88 Resp: 11419
Ion Ratio Lower Upper
88 100
58 84.3 71.1 106.7
43 41.7 30.6 46.0





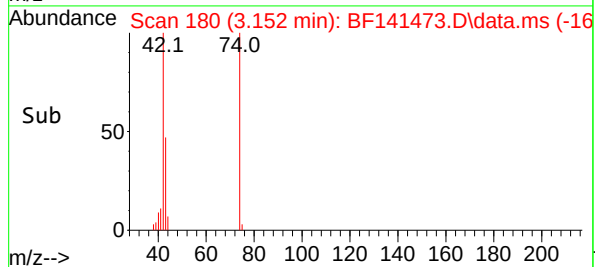
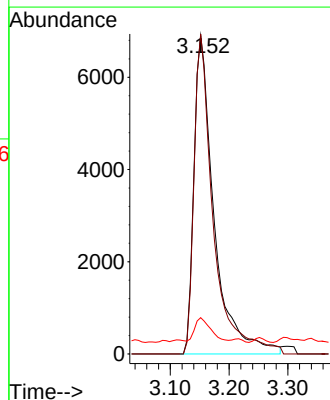
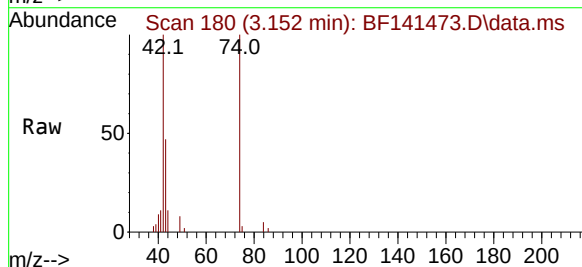
#3
Pyridine
Concen: 4.310 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

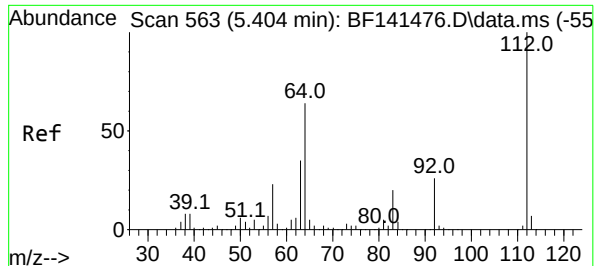
Tgt Ion	Ratio	Lower	Upper
79	100		
52	92.5	73.7	110.5
51	51.5	37.5	56.3



#4
n-Nitrosodimethylamine
Concen: 4.558 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

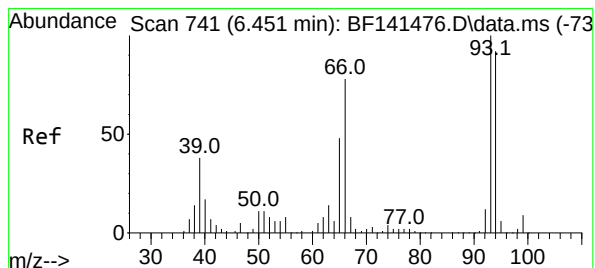
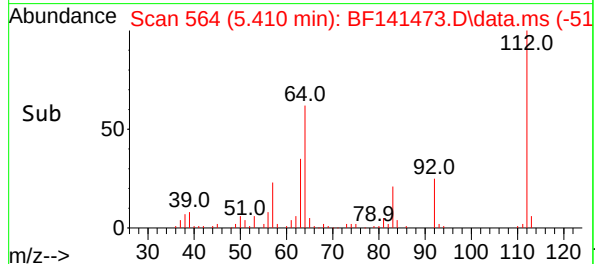
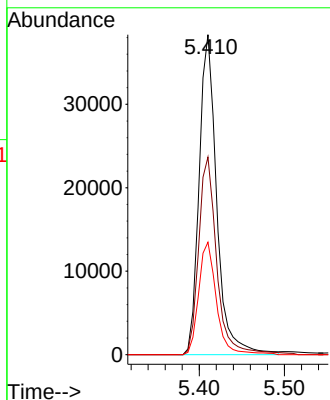
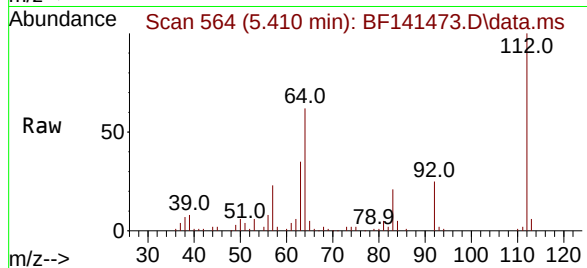
Tgt Ion	Ratio	Lower	Upper
42	100		
74	100.5	78.0	117.0
44	11.4	5.4	8.2





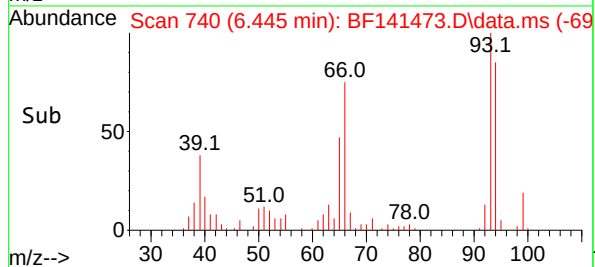
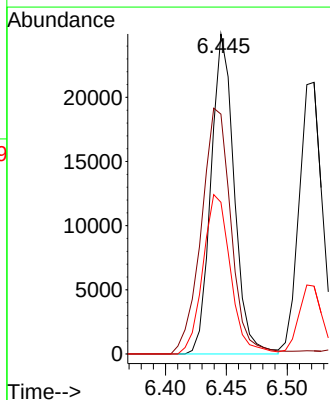
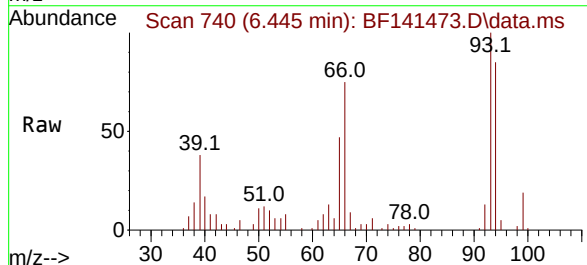
#5
2-Fluorophenol
Concen: 9.680 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

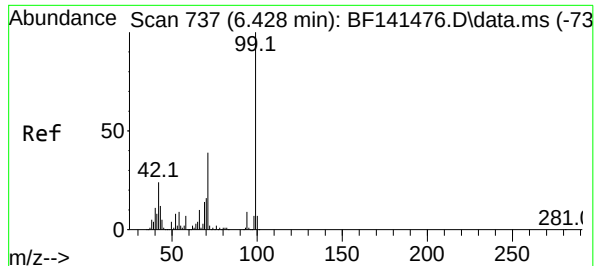
Tgt Ion: 112 Resp: 55200
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 35.1 28.4 42.6



#6
Aniline
Concen: 4.880 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

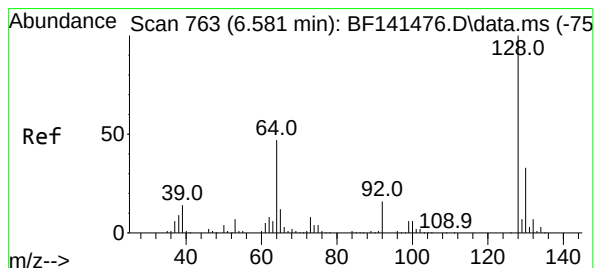
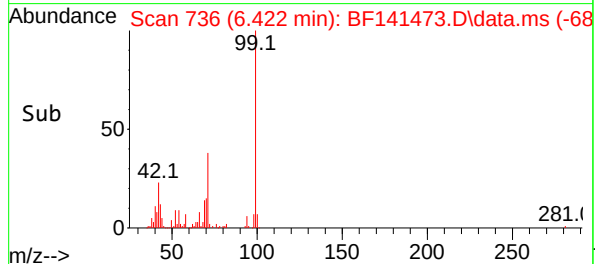
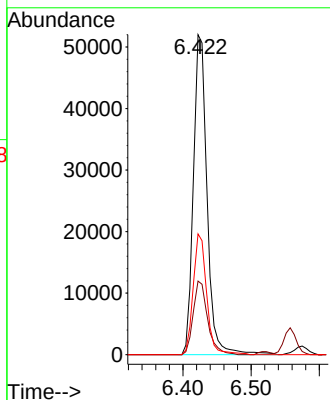
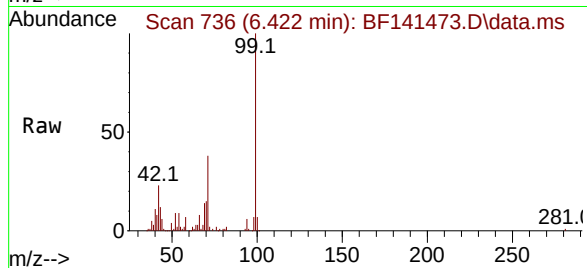
Tgt Ion: 93 Resp: 32993
Ion Ratio Lower Upper
93 100
66 75.0 62.6 94.0
65 47.4 38.3 57.5





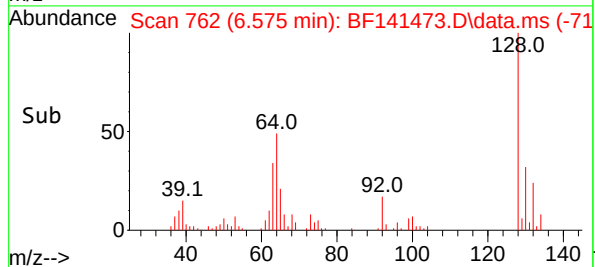
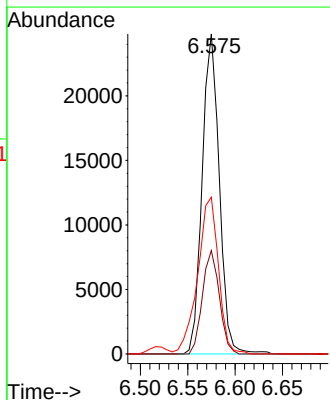
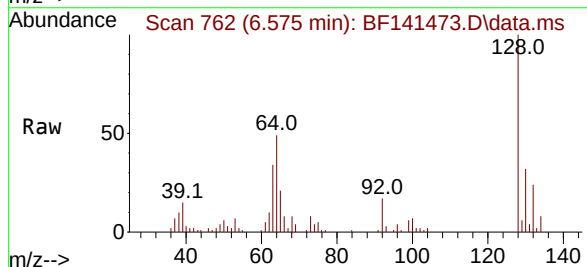
#7
Phenol-d6
Concen: 10.042 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

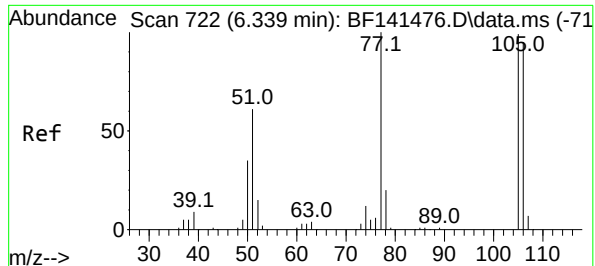
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.7	31.1	46.7



#8
2-Chlorophenol
Concen: 5.074 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.7	52.7
64	49.0	28.3	68.3





#9

Benzaldehyde

Concen: 5.207 ng

RT: 6.334 min Scan# 721

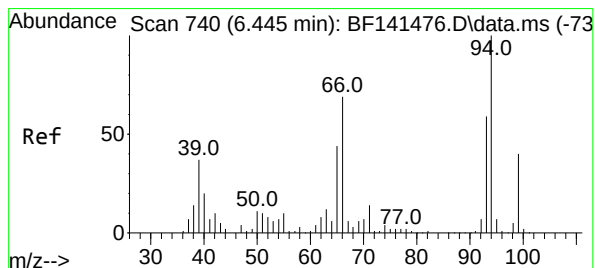
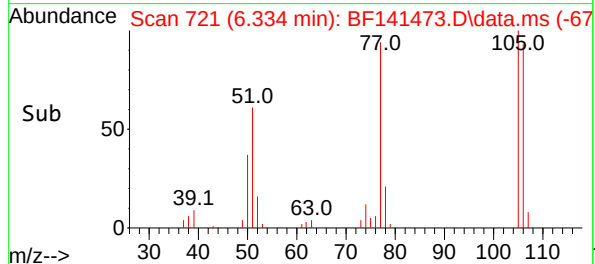
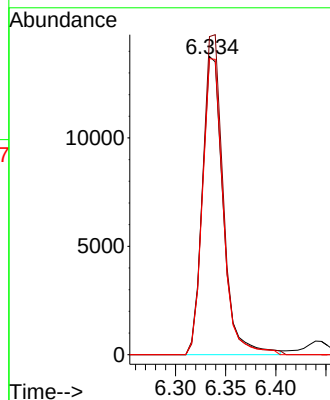
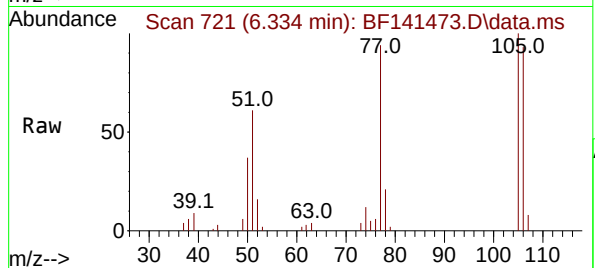
Delta R.T. -0.005 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 19944

Ion	Ratio	Lower	Upper
77	100		
105	106.6	79.4	119.4
106	99.2	75.1	115.1



#10

Phenol

Concen: 5.044 ng

RT: 6.440 min Scan# 739

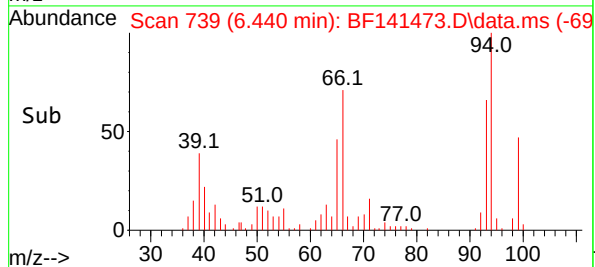
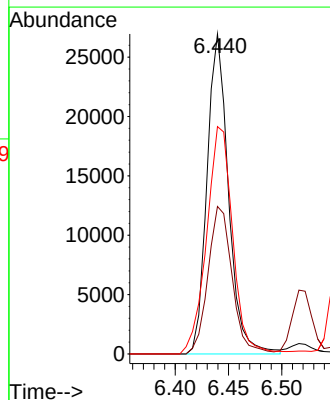
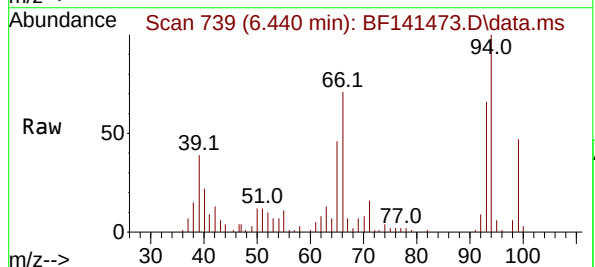
Delta R.T. -0.017 min

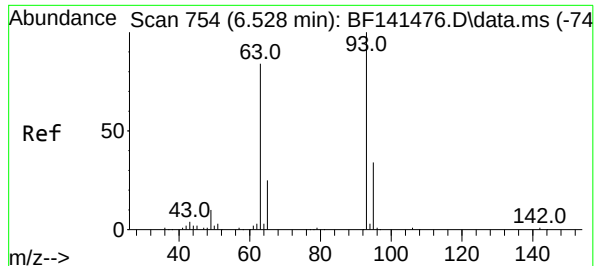
Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion: 94 Resp: 37833

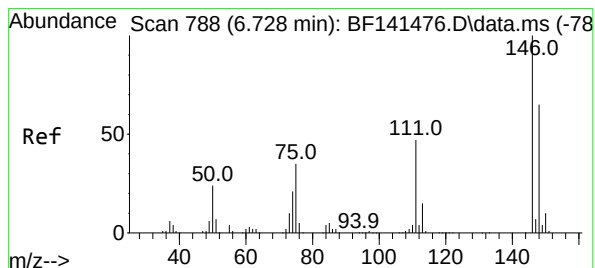
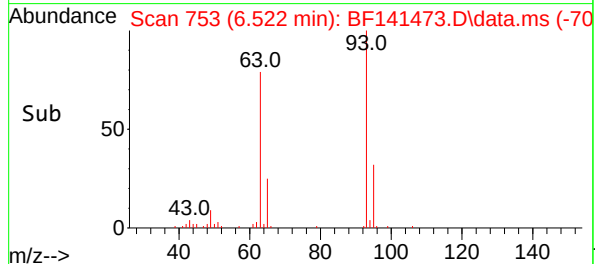
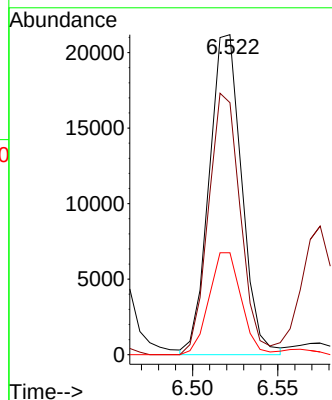
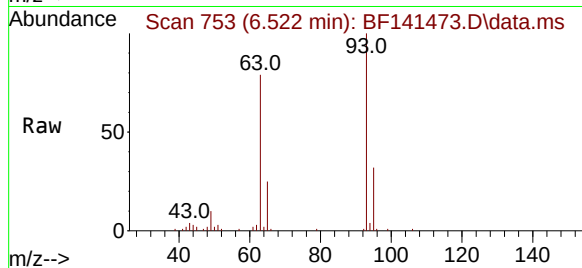
Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	71.1	49.3	89.3





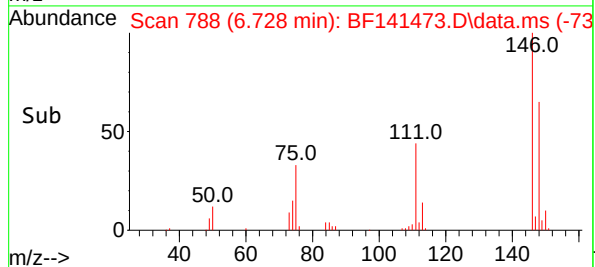
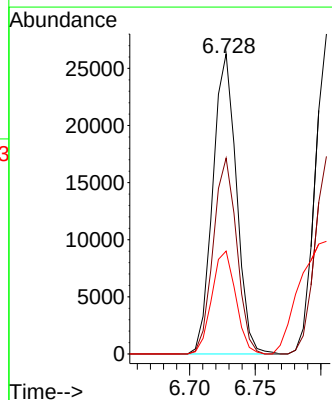
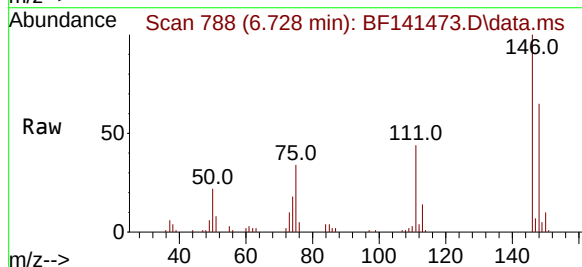
#11
bis(2-Chloroethyl)ether
Concen: 5.006 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

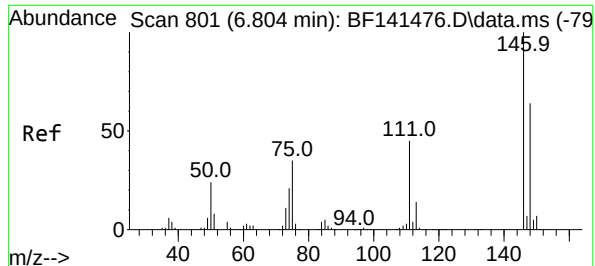
Tgt Ion: 93 Resp: 28203
Ion Ratio Lower Upper
93 100
63 78.7 62.0 102.0
95 31.9 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 5.060 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion: 146 Resp: 32913
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
75 34.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 5.199 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

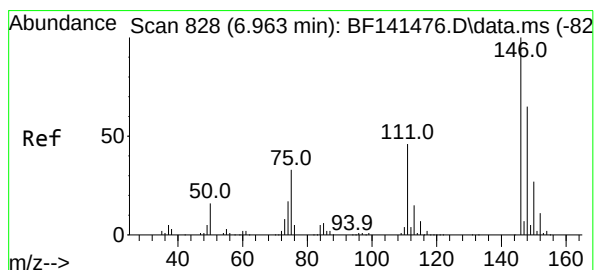
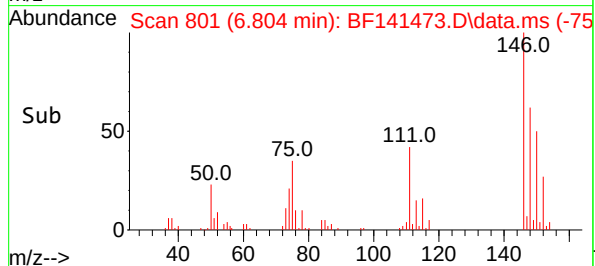
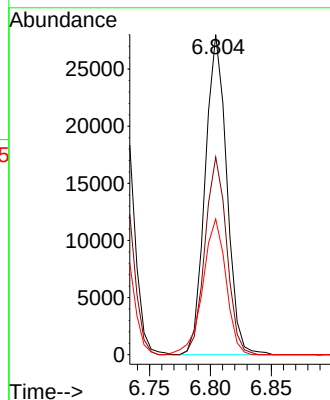
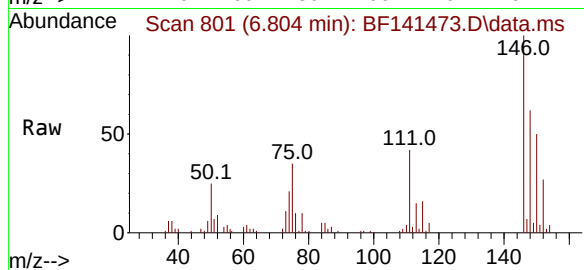
Tgt Ion:146 Resp: 34555

Ion Ratio Lower Upper

146 100

148 61.7 50.9 76.3

111 42.4 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 5.049 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

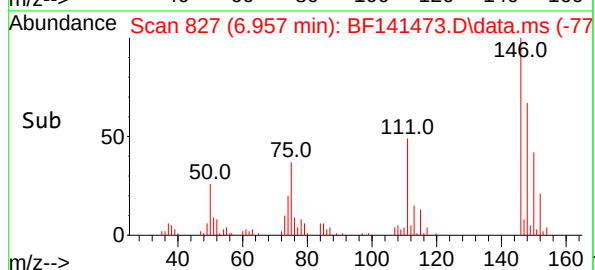
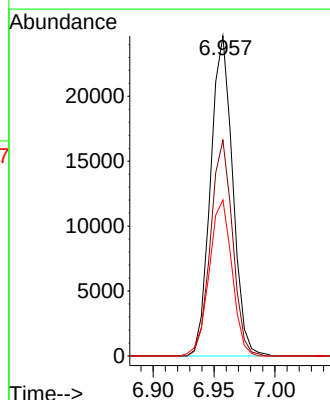
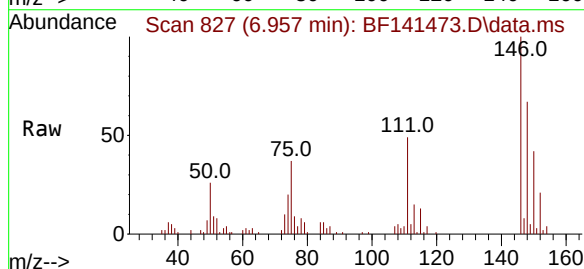
Tgt Ion:146 Resp: 31141

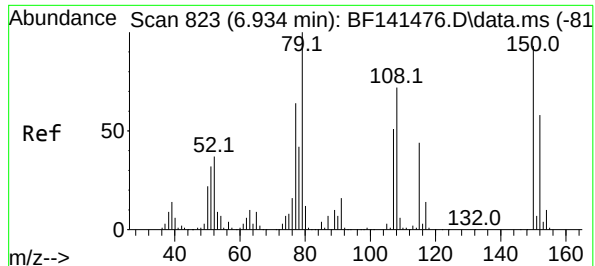
Ion Ratio Lower Upper

146 100

148 67.4 51.8 77.6

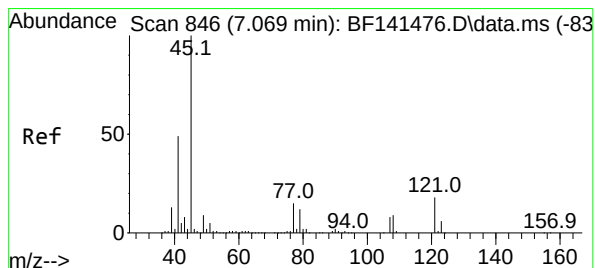
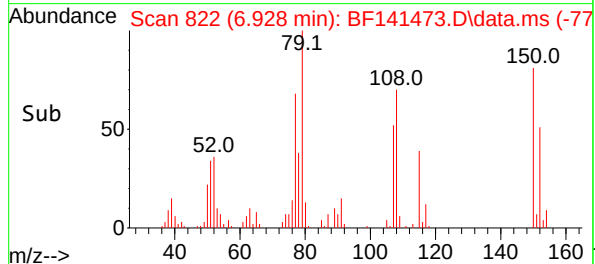
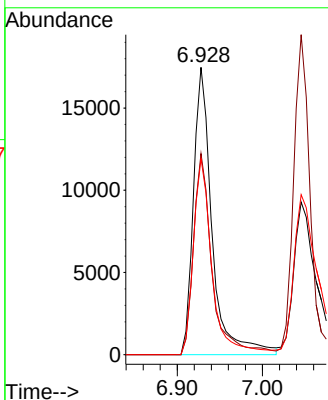
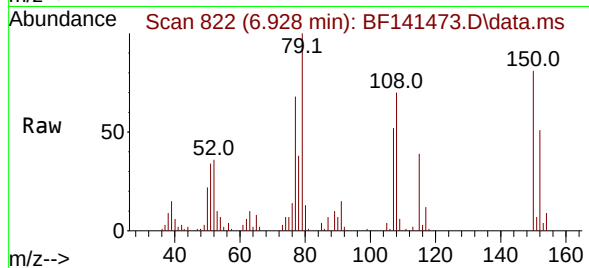
111 48.8 37.0 55.4





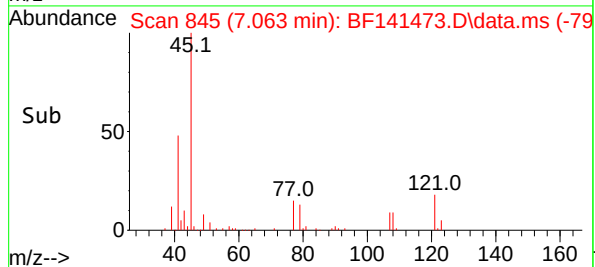
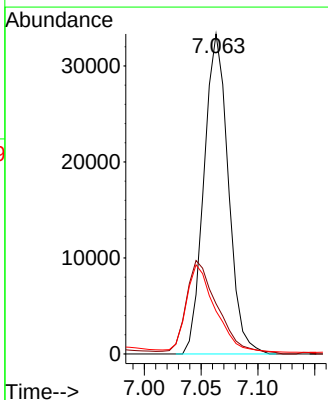
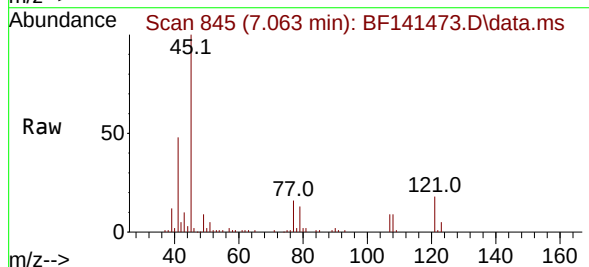
#15
Benzyl Alcohol
Concen: 4.815 ng
RT: 6.928 min Scan# 822
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

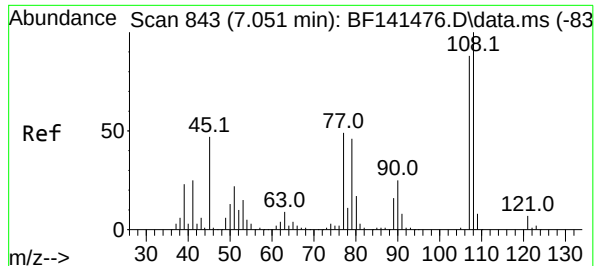
Tgt Ion: 79 Resp: 26612
Ion Ratio Lower Upper
79 100
108 70.0 57.4 86.2
77 68.2 50.9 76.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 5.150 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

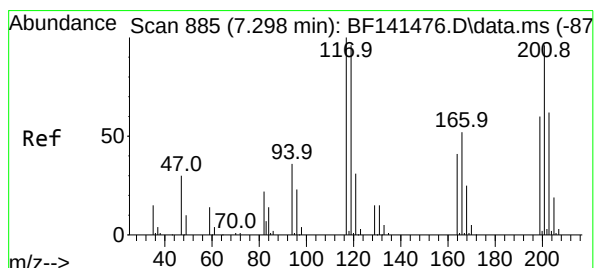
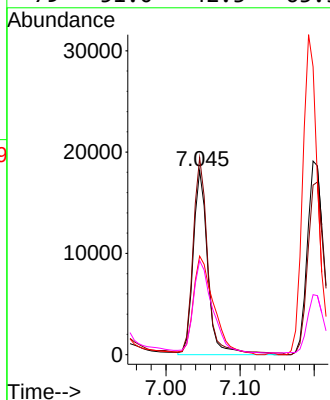
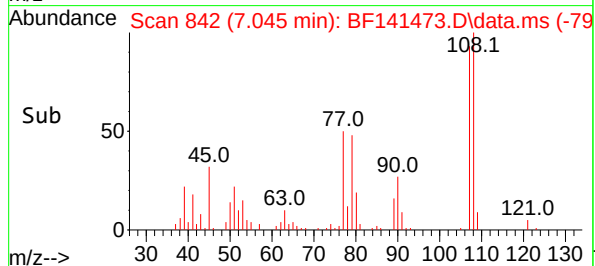
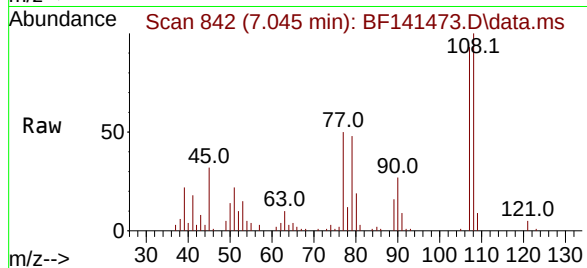
Tgt Ion: 45 Resp: 49667
Ion Ratio Lower Upper
45 100
77 15.7 0.0 35.8
79 13.4 0.0 32.7





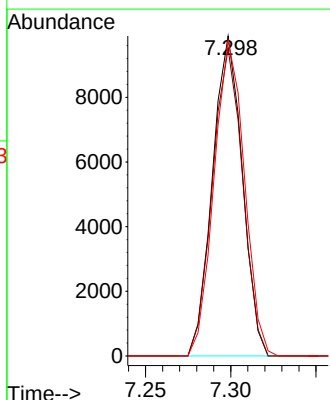
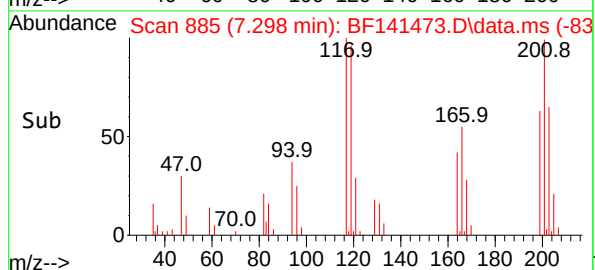
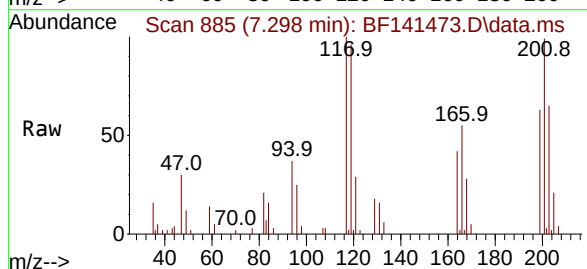
#17
2-Methylphenol
Concen: 5.173 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

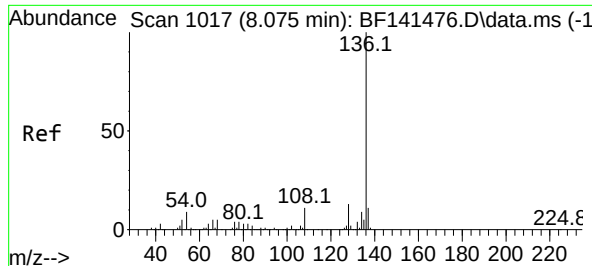
Tgt Ion:	107	Resp:	24939
Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.6	136.0
77	53.5	44.4	66.6
79	51.0	42.3	63.5



#18
Hexachloroethane
Concen: 4.896 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

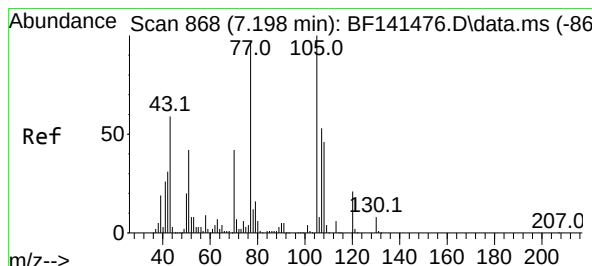
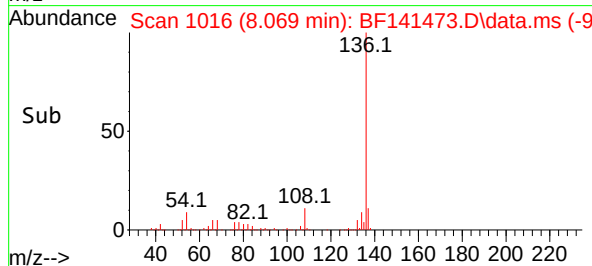
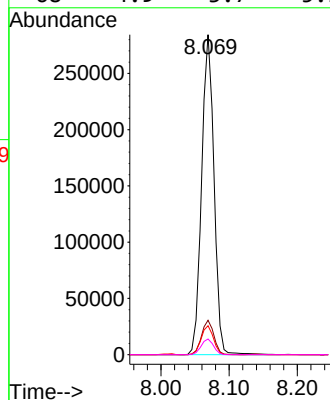
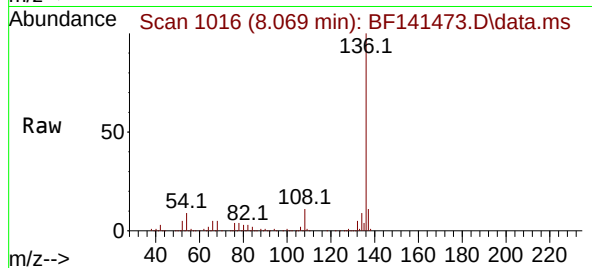
Tgt Ion:	117	Resp:	12043
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.5	114.7
201	98.5	76.7	115.1





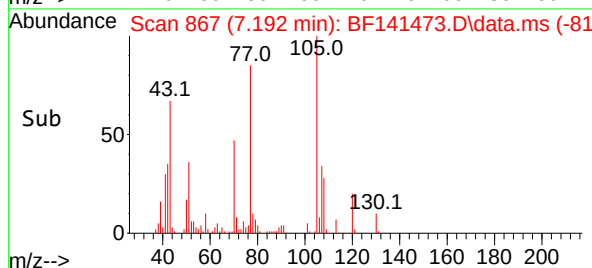
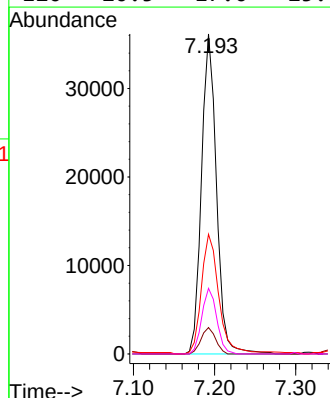
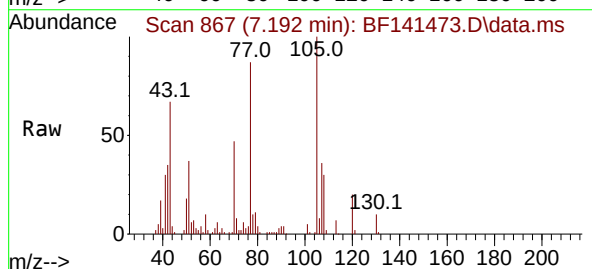
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

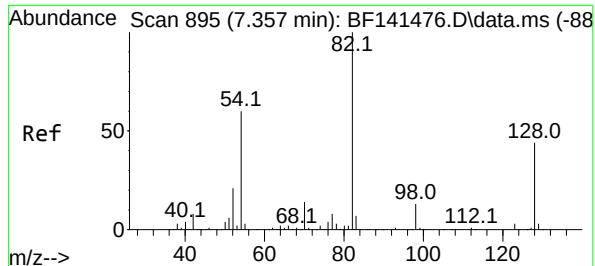
Tgt Ion:	136	Resp:	358966
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.0	7.2	10.8
68	4.9	3.7	5.5



#22
Acetophenone
Concen: 5.201 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:	105	Resp:	46441
Ion Ratio	Lower	Upper	
105	100		
71	8.3	5.7	8.5
51	37.4	33.7	50.5
120	20.5	17.0	25.6





#23

Nitrobenzene-d5

Concen: 9.918 ng

RT: 7.345 min Scan# 893

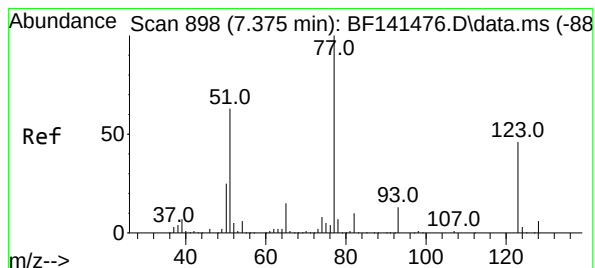
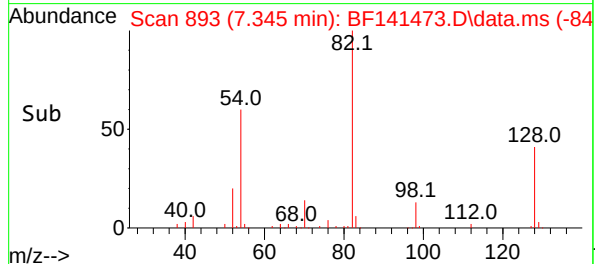
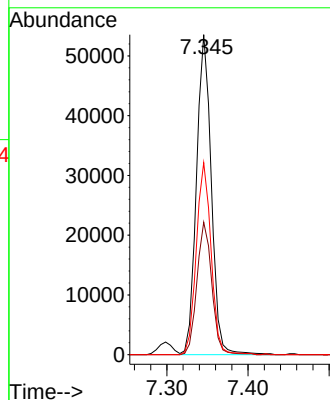
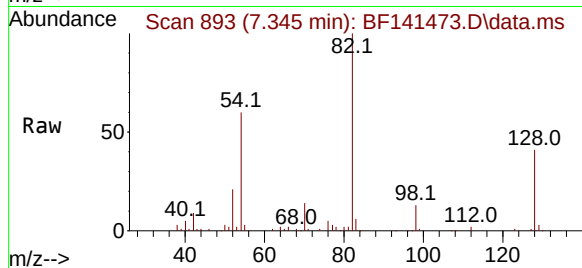
Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion: 82 Resp: 68257

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.8	52.2
54	60.0	48.2	72.4



#24

Nitrobenzene

Concen: 4.943 ng

RT: 7.363 min Scan# 896

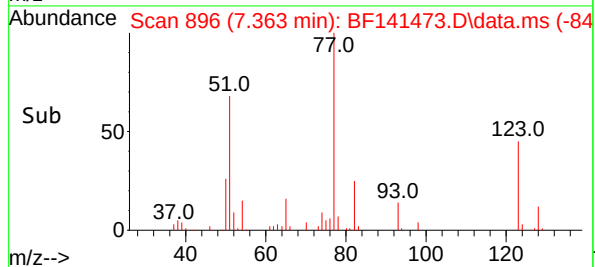
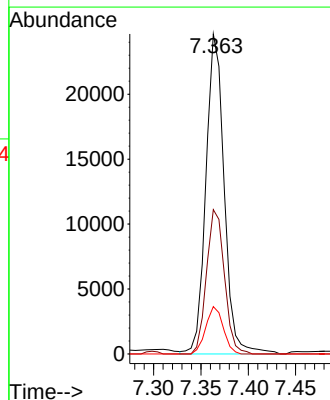
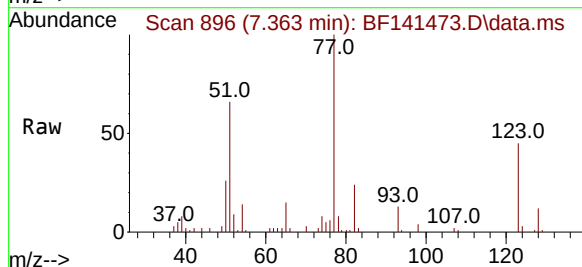
Delta R.T. -0.017 min

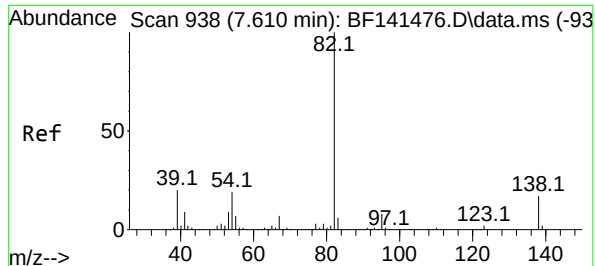
Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion: 77 Resp: 33173

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.9	55.3
65	14.8	11.9	17.9





#25

Isophorone

Concen: 4.993 ng

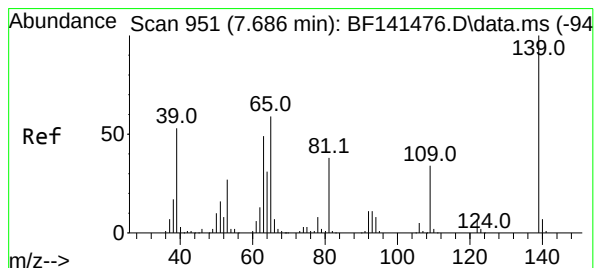
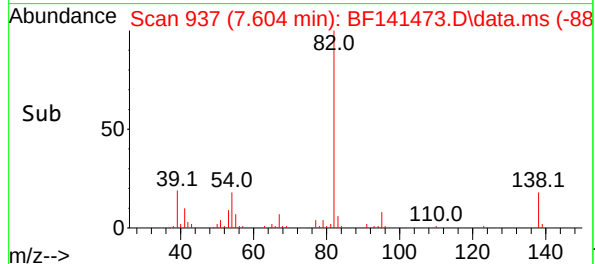
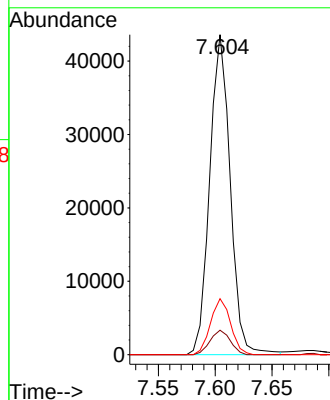
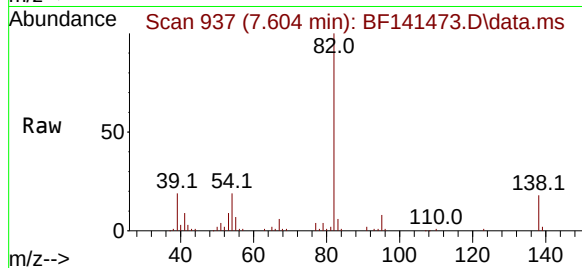
RT: 7.604 min Scan# 937

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:	82	Resp:	54796
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.4	9.6
138	17.5	13.9	20.9



#26

2-Nitrophenol

Concen: 4.592 ng

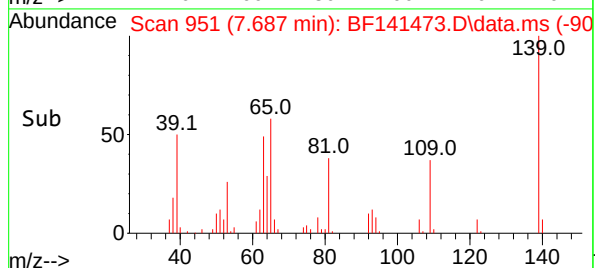
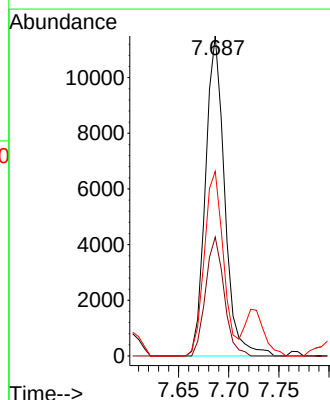
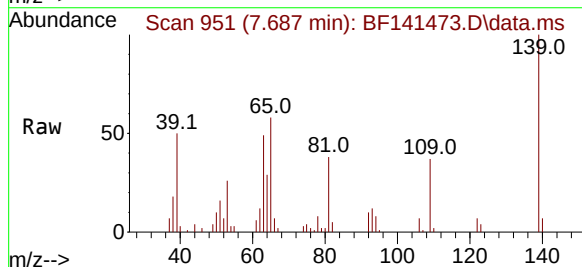
RT: 7.687 min Scan# 951

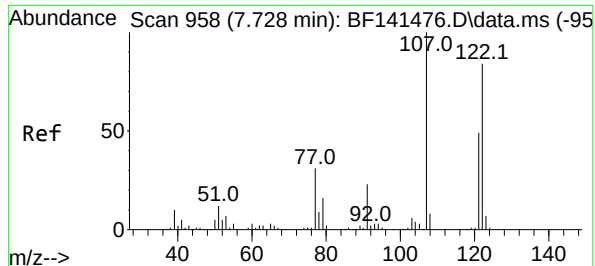
Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:	139	Resp:	15331
Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	57.7	47.1	70.7





#27

2,4-Dimethylphenol

Concen: 4.784 ng

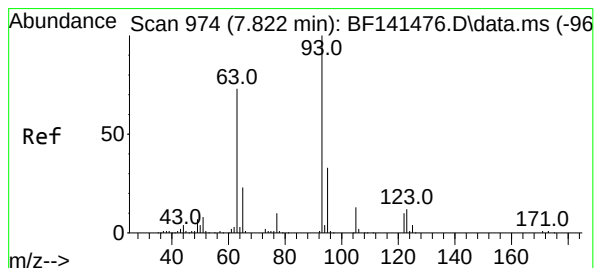
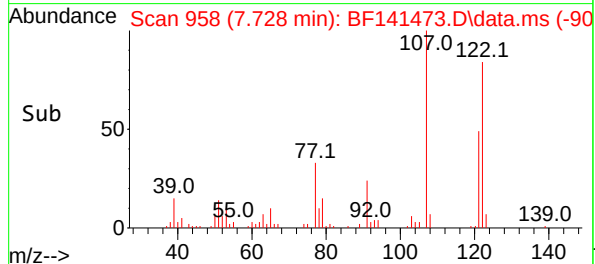
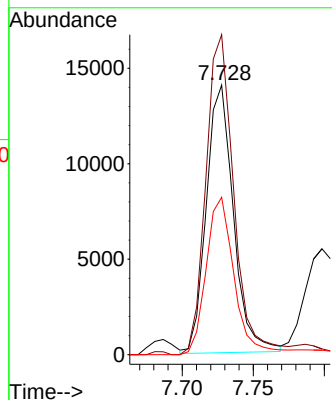
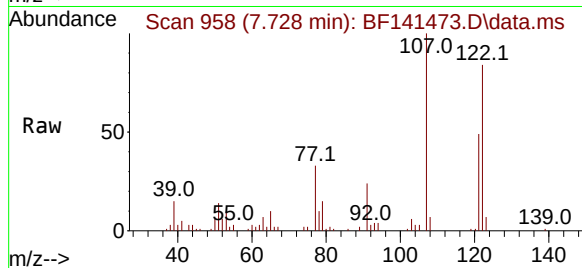
RT: 7.728 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF141473.D

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Tgt Ion:	122	Resp:	18659
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.4	46.0	69.0



#28

bis(2-Chloroethoxy)methane

Concen: 4.902 ng

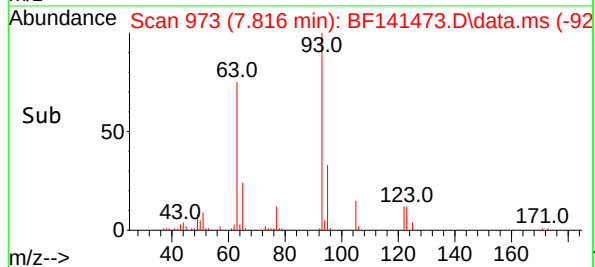
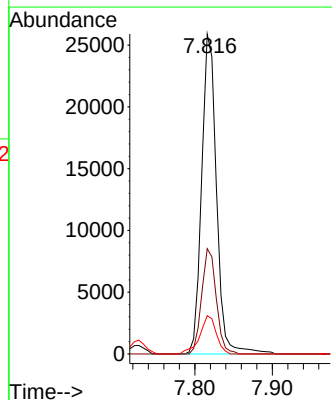
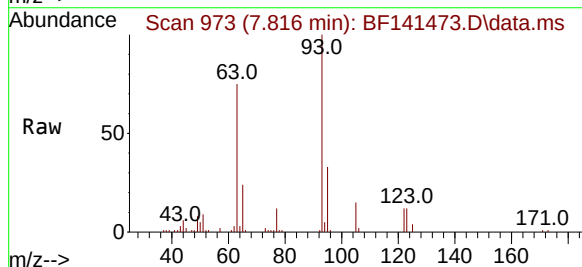
RT: 7.816 min Scan# 973

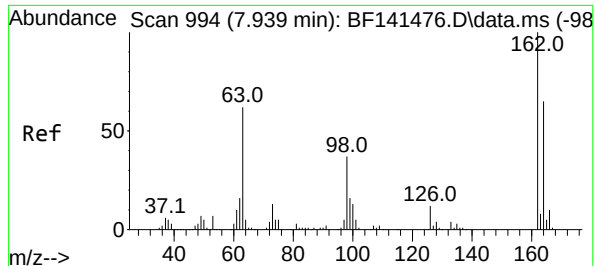
Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

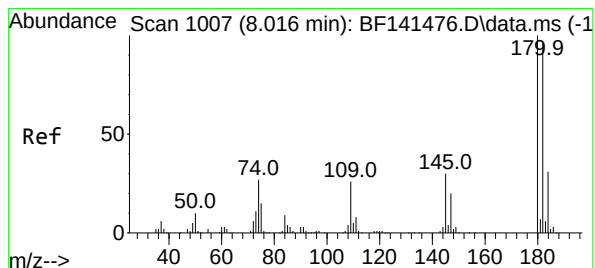
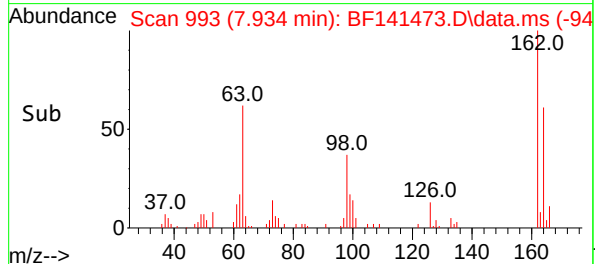
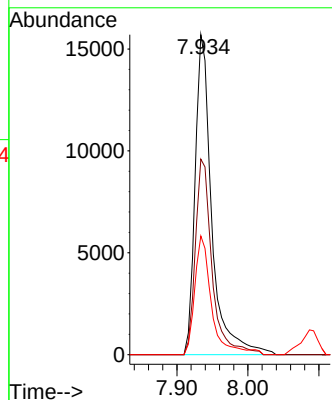
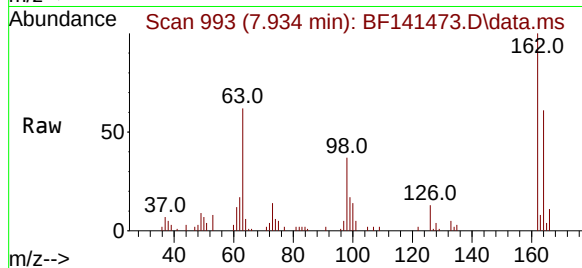
Tgt Ion:	93	Resp:	34469
Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	12.0	9.5	14.3





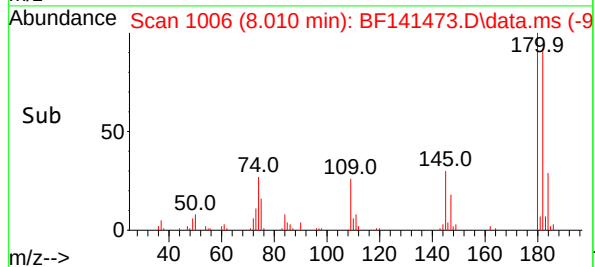
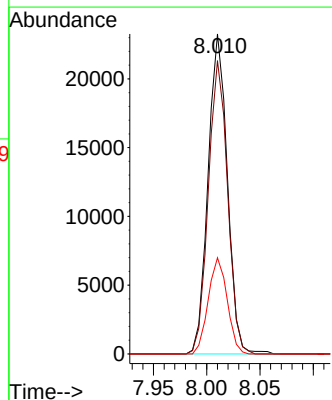
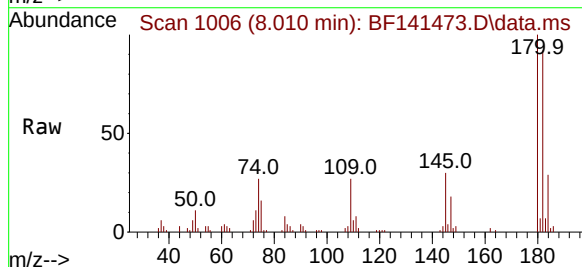
#29
2,4-Dichlorophenol
Concen: 4.870 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

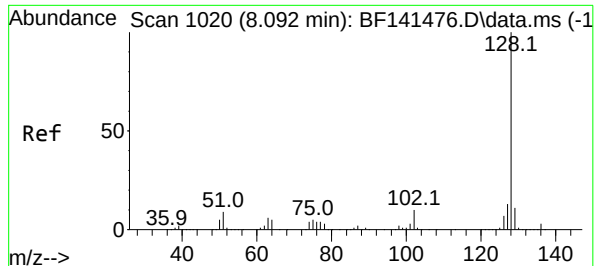
Tgt Ion	Ratio	Lower	Upper
162	100		
164	61.1	44.6	84.6
98	37.1	17.2	57.2



#30
1,2,4-Trichlorobenzene
Concen: 5.109 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

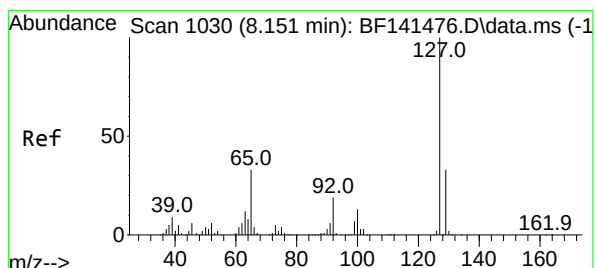
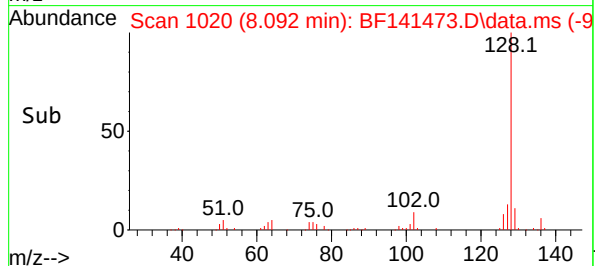
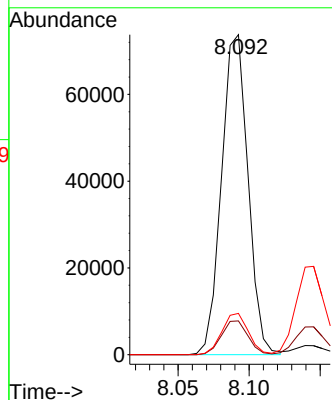
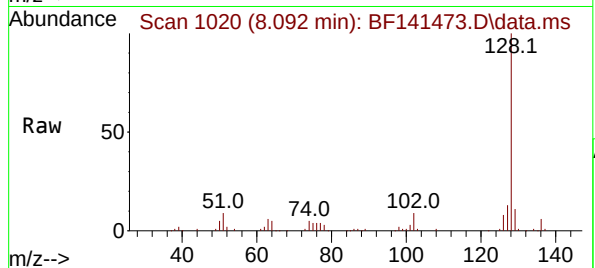
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.8	115.2
145	30.0	24.2	36.4





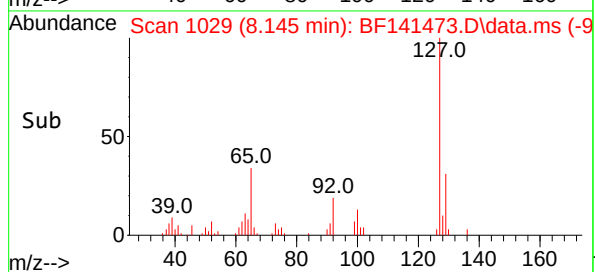
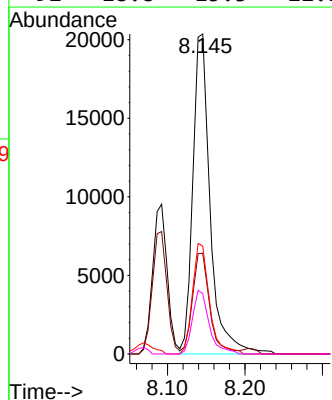
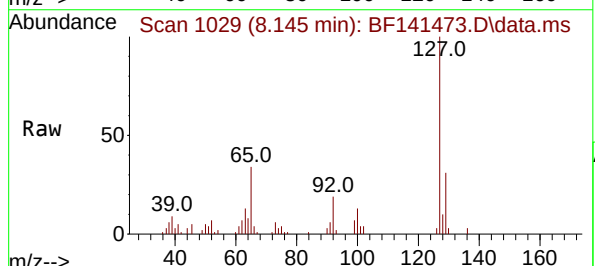
#31
Naphthalene
Concen: 5.123 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

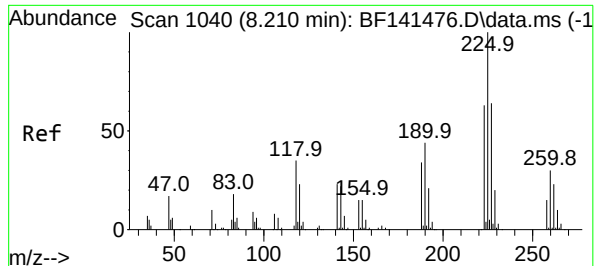
Tgt Ion:128 Resp: 95730
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.9 10.7 16.1



#33
4-Chloroaniline
Concen: 4.864 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

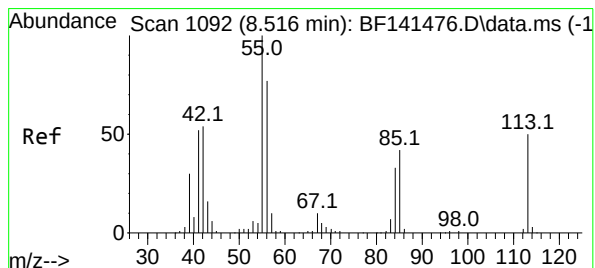
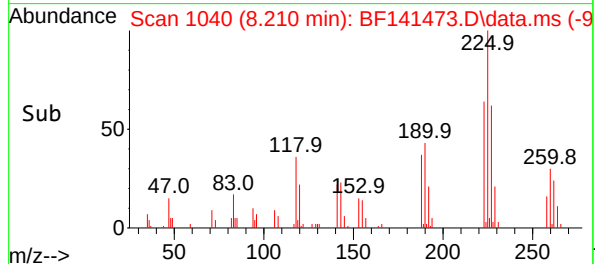
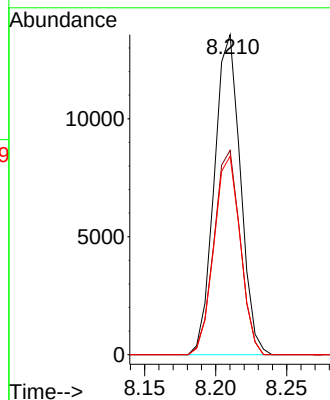
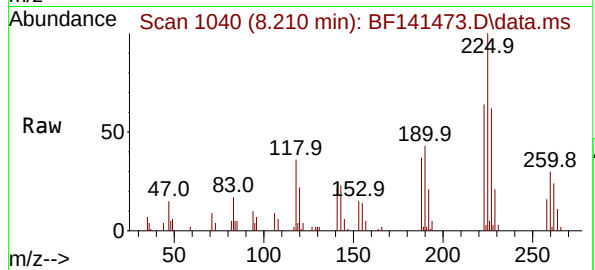
Tgt Ion:127 Resp: 31729
Ion Ratio Lower Upper
127 100
129 31.4 26.5 39.7
65 33.7 26.4 39.6
92 18.8 15.3 22.9





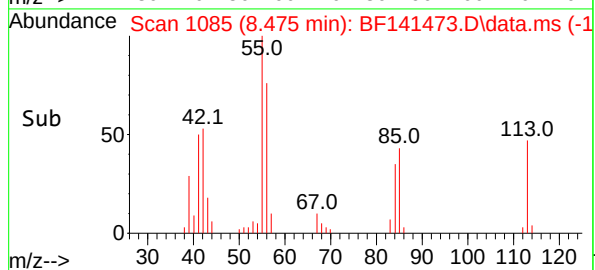
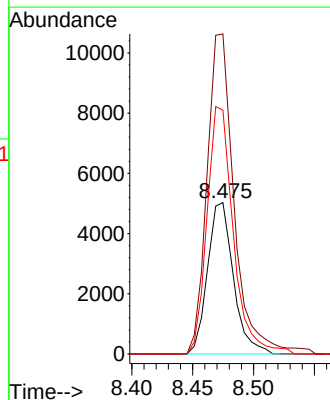
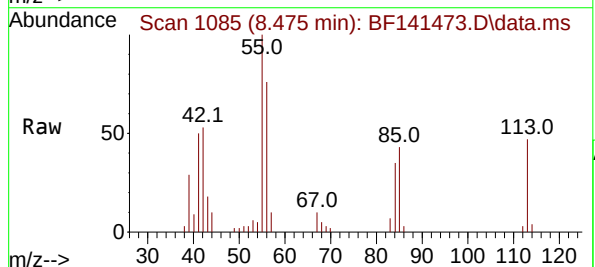
#34
Hexachlorobutadiene
Concen: 5.028 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

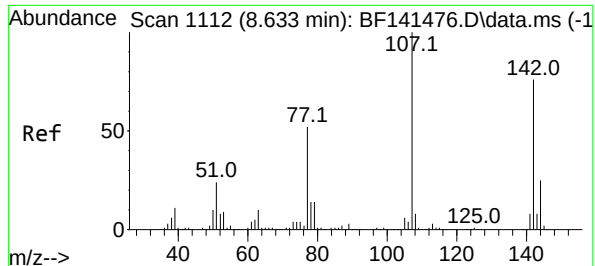
Tgt Ion: 225 Resp: 17323
Ion Ratio Lower Upper
225 100
223 63.9 50.1 75.1
227 62.0 51.0 76.6



#35
Caprolactam
Concen: 4.635 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.070 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

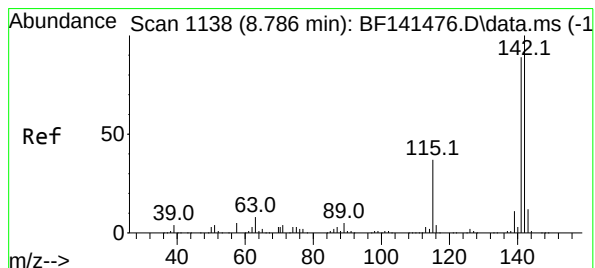
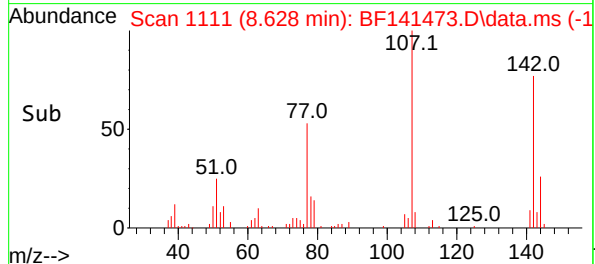
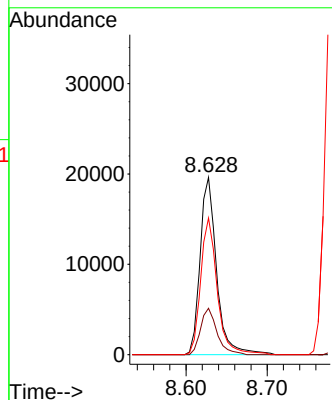
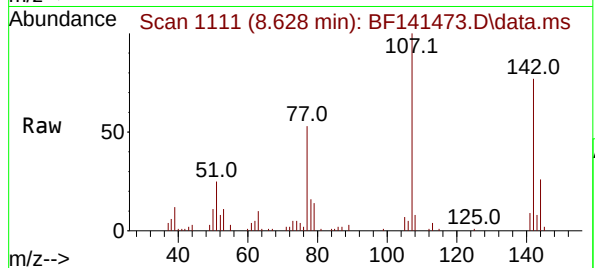
Tgt Ion: 113 Resp: 7437
Ion Ratio Lower Upper
113 100
55 211.4 180.8 220.8
56 161.1 133.6 173.6





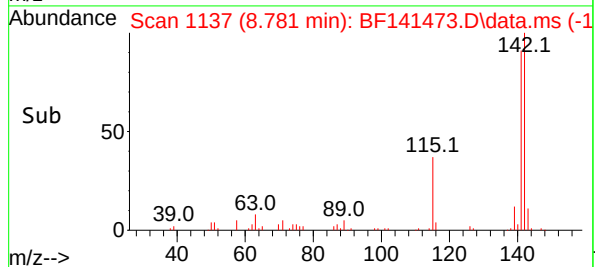
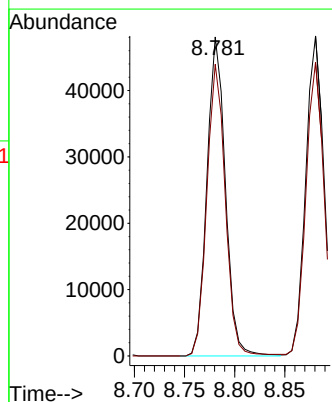
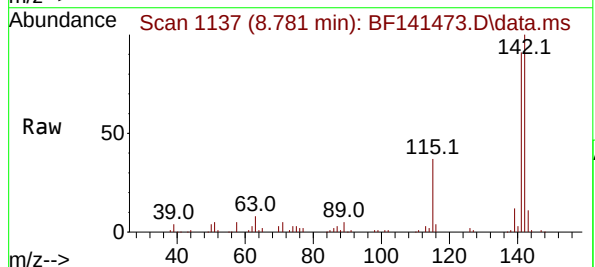
#36
4-Chloro-3-methylphenol
Concen: 4.765 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

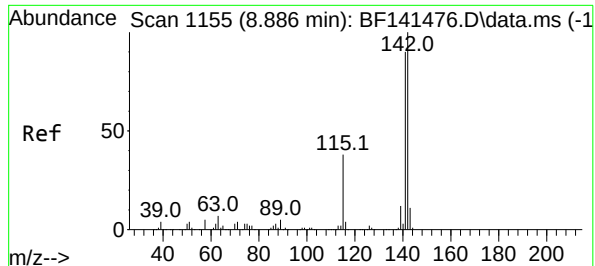
Tgt Ion:107 Resp: 27818
Ion Ratio Lower Upper
107 100
144 26.2 19.7 29.5
142 77.1 60.8 91.2



#37
2-Methylnaphthalene
Concen: 5.078 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

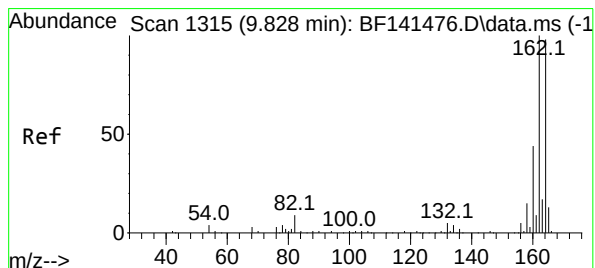
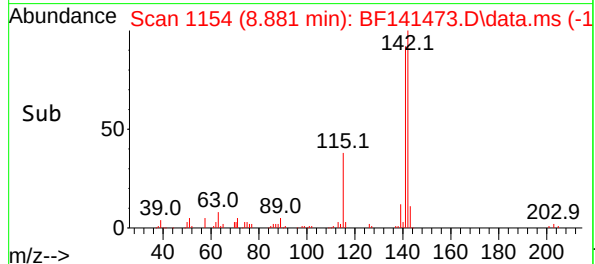
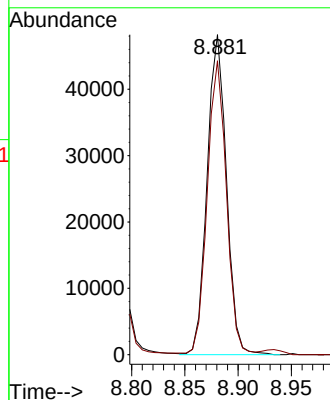
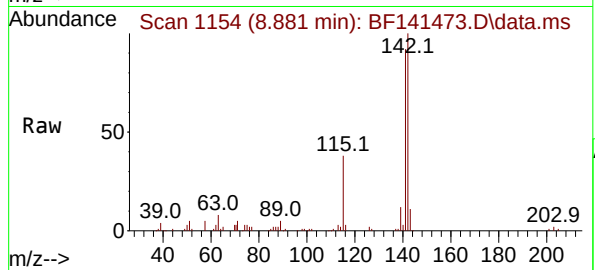
Tgt Ion:142 Resp: 61742
Ion Ratio Lower Upper
142 100
141 91.4 71.2 106.8





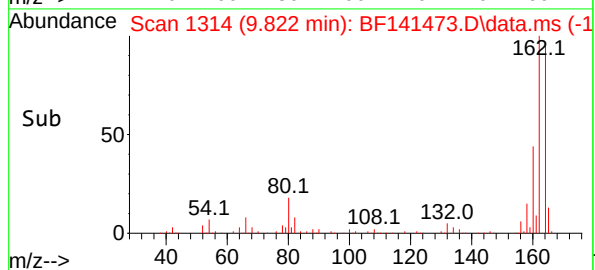
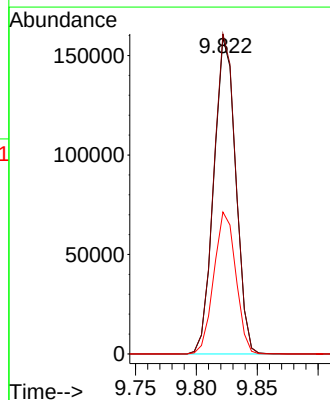
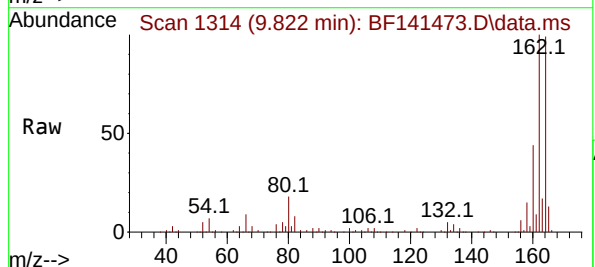
#38
1-Methylnaphthalene
Concen: 5.182 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

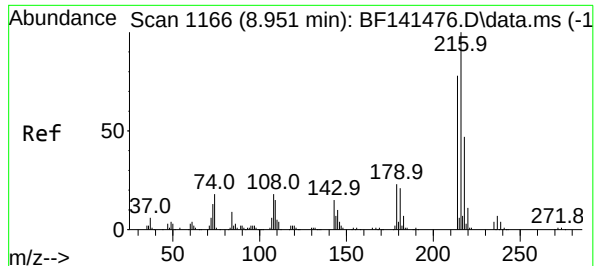
Tgt Ion:142 Resp: 61026
Ion Ratio Lower Upper
142 100
141 91.9 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

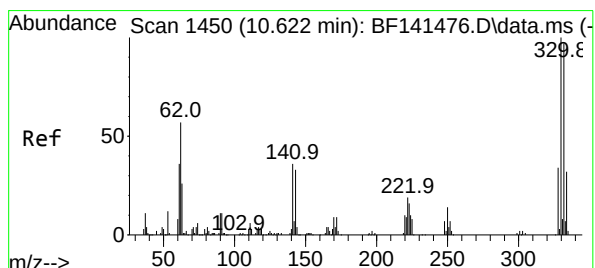
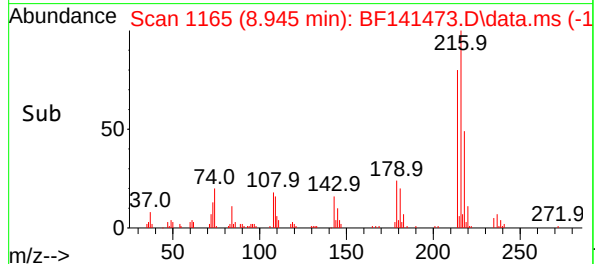
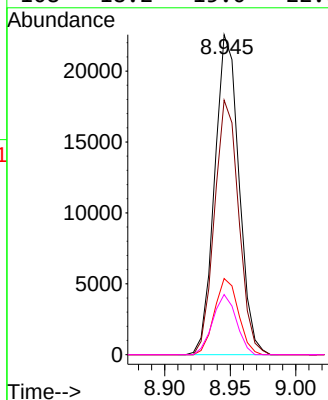
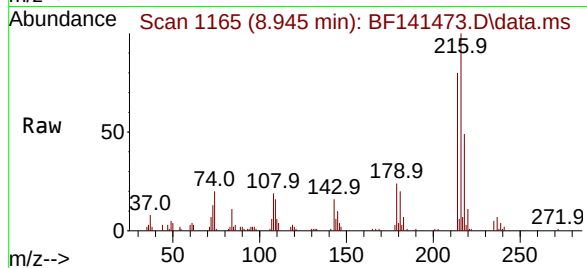
Tgt Ion:164 Resp: 199514
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 44.9 35.9 53.9





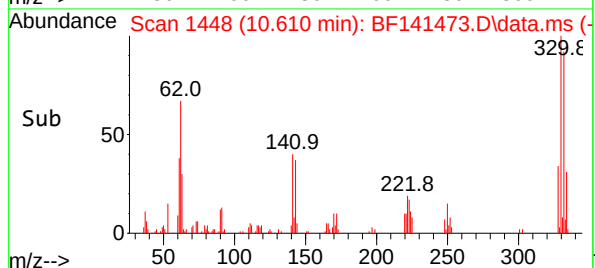
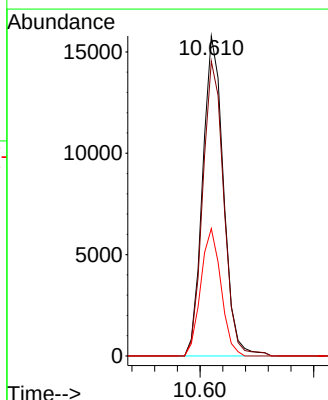
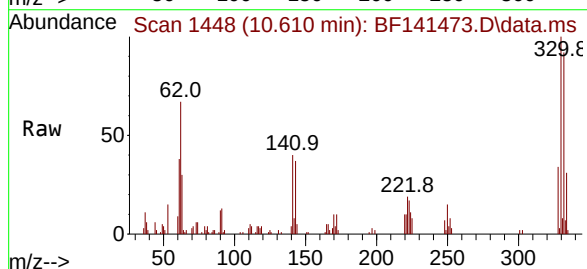
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.028 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

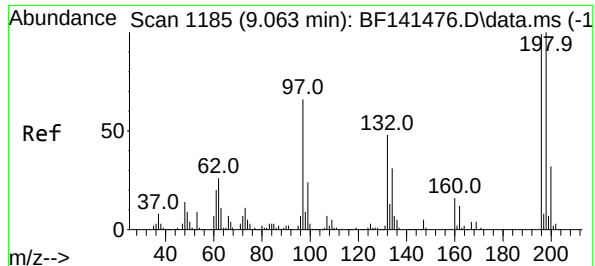
Tgt Ion:	216	Resp:	29023
Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.3	93.5
179	23.4	18.0	27.0
108	18.2	15.0	22.6



#42
2,4,6-Tribromophenol
Concen: 10.009 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

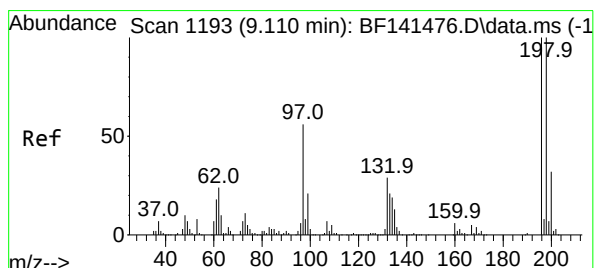
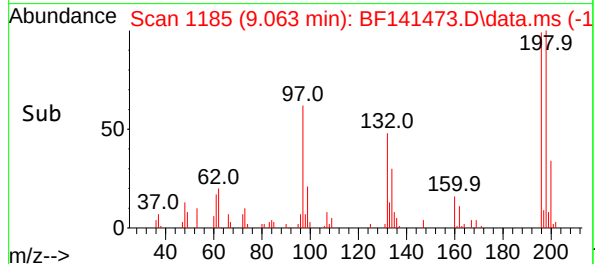
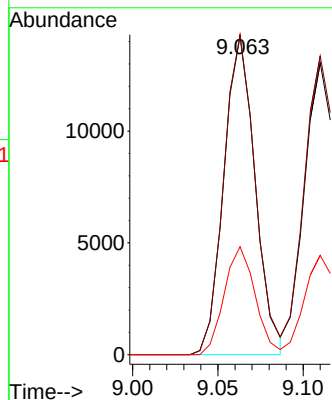
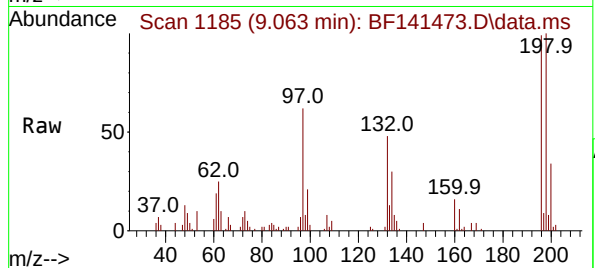
Tgt Ion:	330	Resp:	20060
Ion	Ratio	Lower	Upper
330	100		
332	92.9	78.5	117.7
141	38.7	31.0	46.4





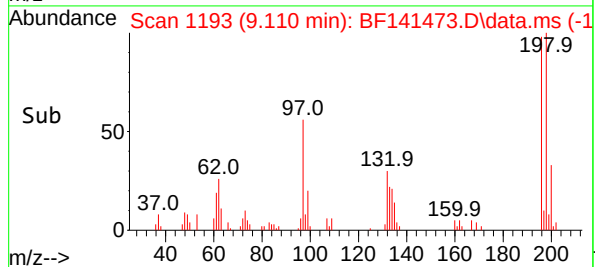
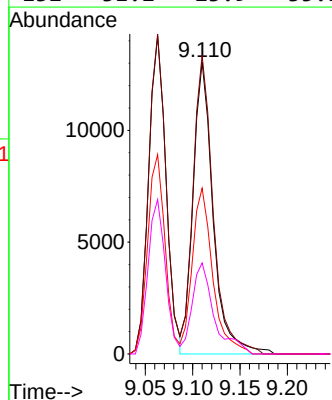
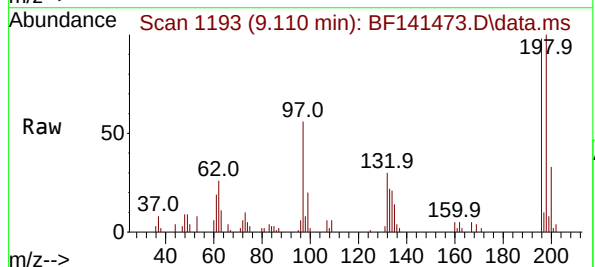
#43
2,4,6-Trichlorophenol
Concen: 4.863 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

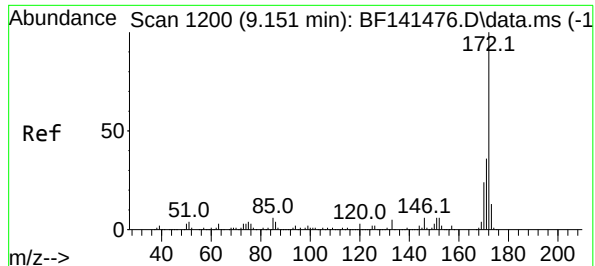
Tgt Ion:196 Resp: 18144
Ion Ratio Lower Upper
196 100
198 100.6 80.6 121.0
200 34.0 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 4.750 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

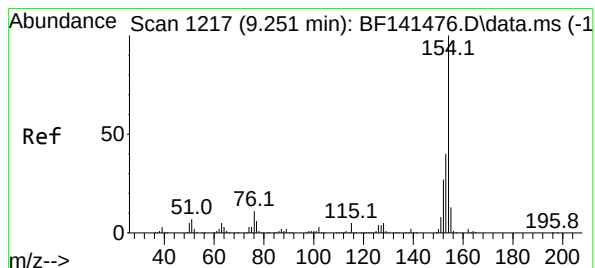
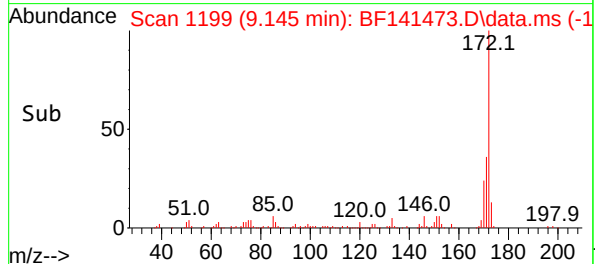
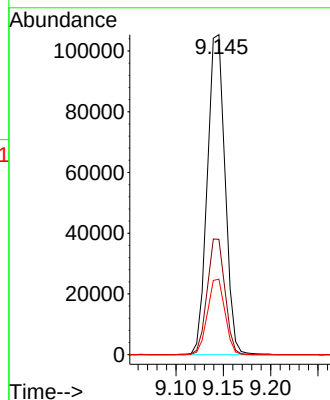
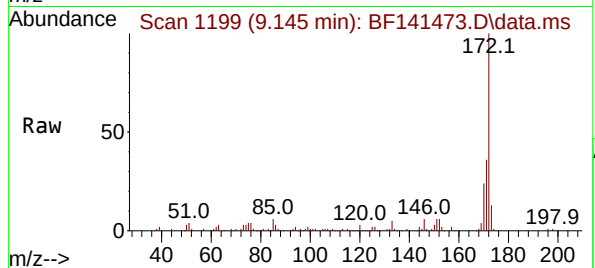
Tgt Ion:196 Resp: 19204
Ion Ratio Lower Upper
196 100
198 102.3 79.8 119.8
97 56.8 44.8 67.2
132 31.2 23.9 35.9





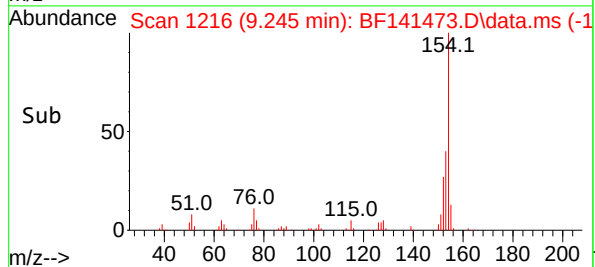
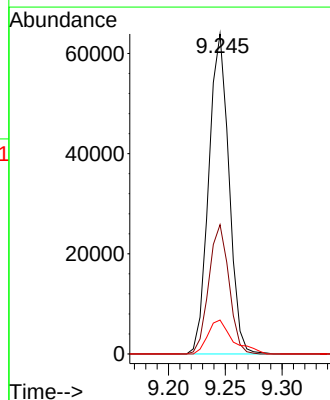
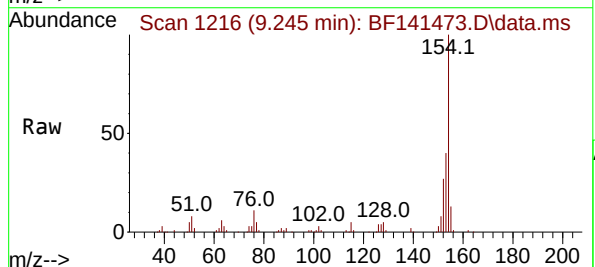
#45
2-Fluorobiphenyl
Concen: 10.573 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

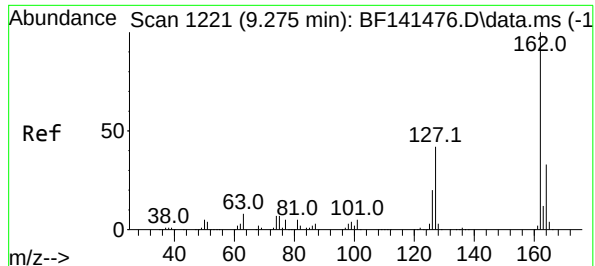
Tgt Ion:172 Resp: 136925
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.6 18.9 28.3



#46
1,1'-Biphenyl
Concen: 5.103 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

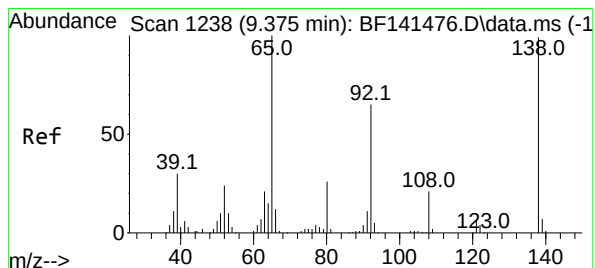
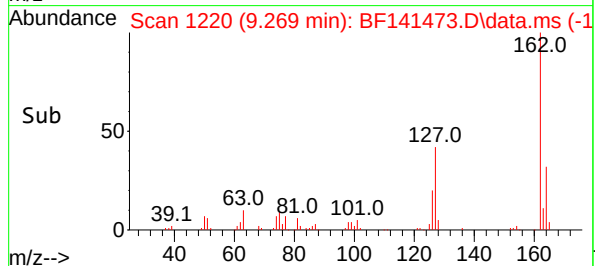
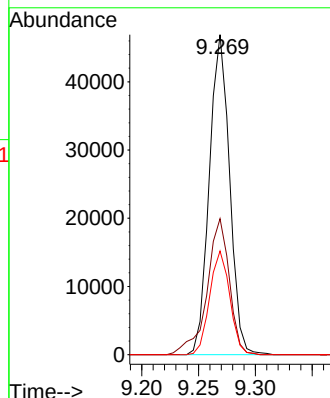
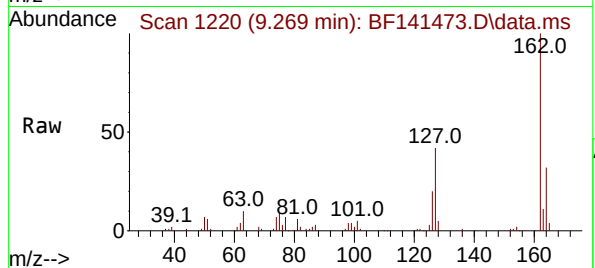
Tgt Ion:154 Resp: 78931
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 10.6 0.0 30.8





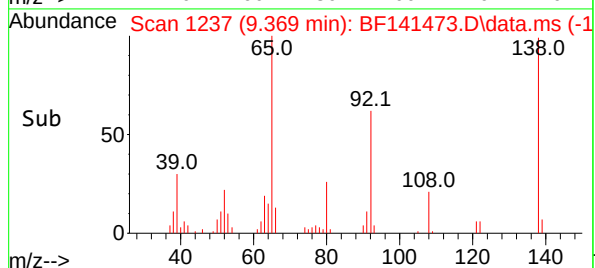
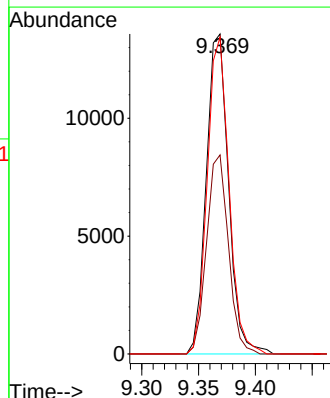
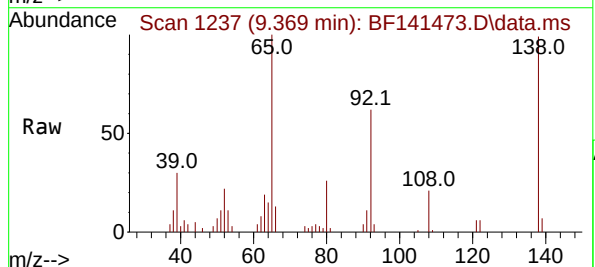
#47
2-Chloronaphthalene
Concen: 5.088 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

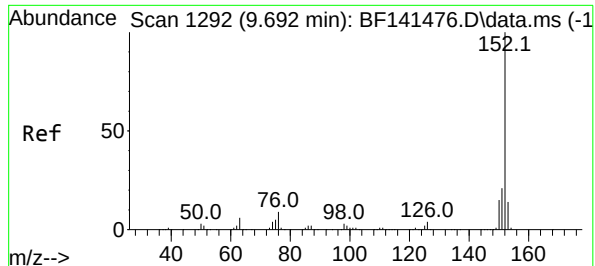
Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.5	34.1	51.1
164	32.4	26.3	39.5



#48
2-Nitroaniline
Concen: 4.818 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.2	52.2	78.2
138	99.0	79.5	119.3





#49

Acenaphthylene

Concen: 5.097 ng

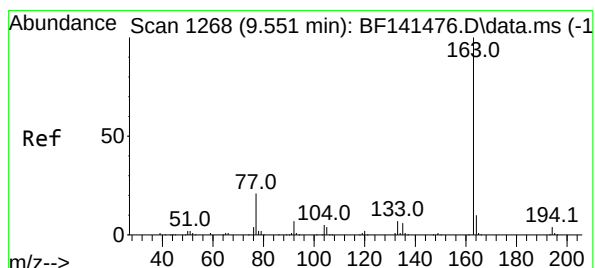
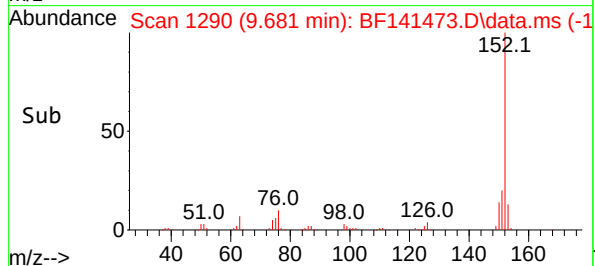
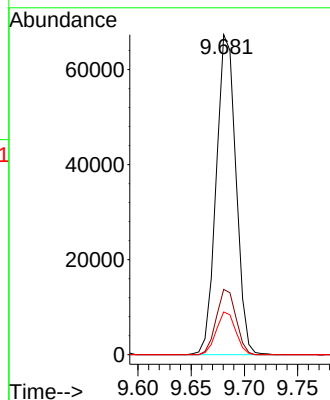
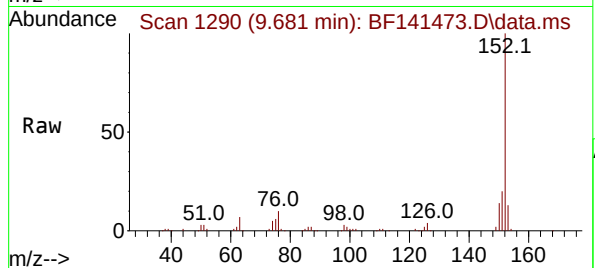
RT: 9.681 min Scan# 1290

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:152	Resp:	86721
Ion	Ratio	Lower Upper
152	100	
151	20.4	16.4 24.6
153	13.4	10.9 16.3



#50

Dimethylphthalate

Concen: 5.088 ng

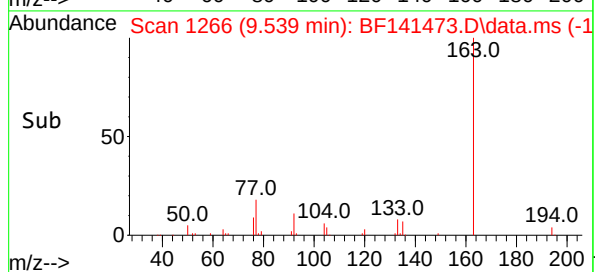
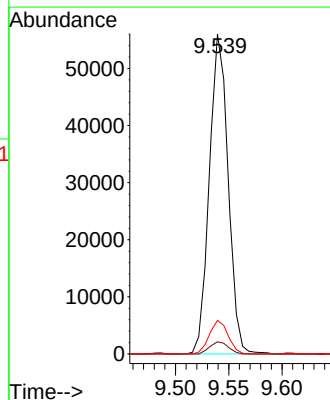
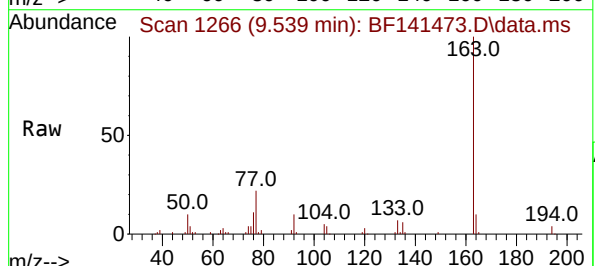
RT: 9.539 min Scan# 1266

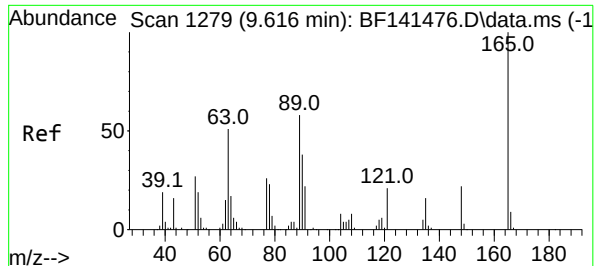
Delta R.T. -0.023 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

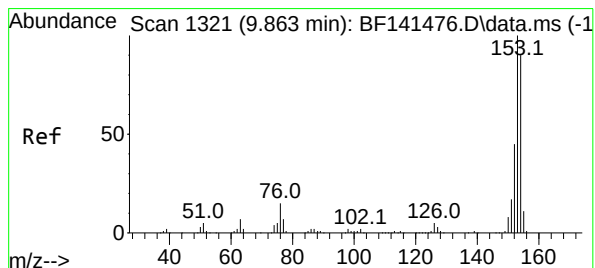
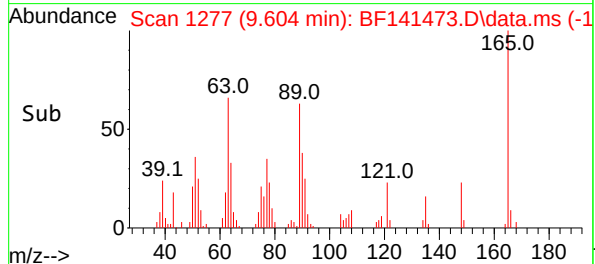
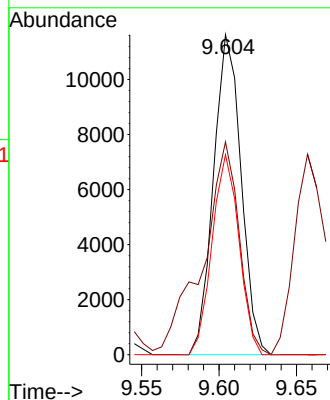
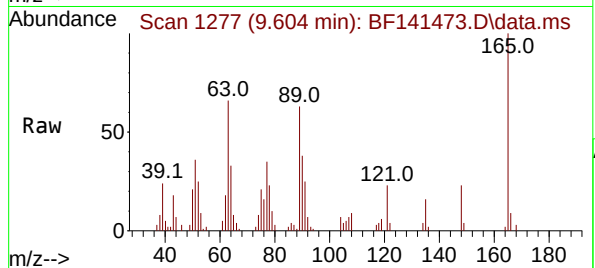
Tgt Ion:163	Resp:	68921
Ion	Ratio	Lower Upper
163	100	
194	3.8	3.0 4.4
164	10.5	7.9 11.9





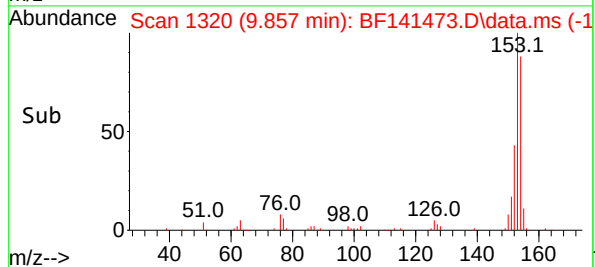
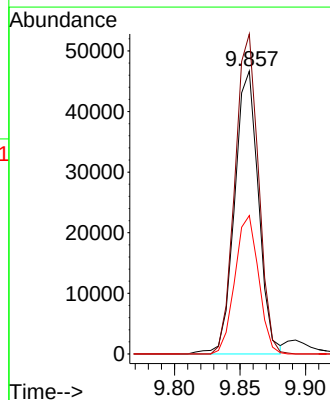
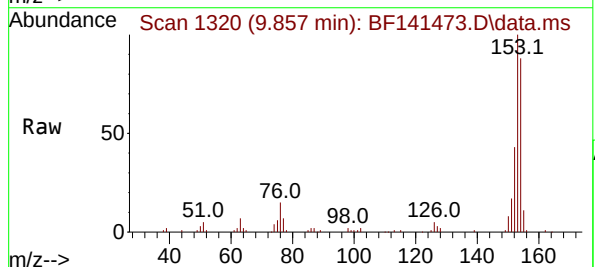
#51
2,6-Dinitrotoluene
Concen: 4.861 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

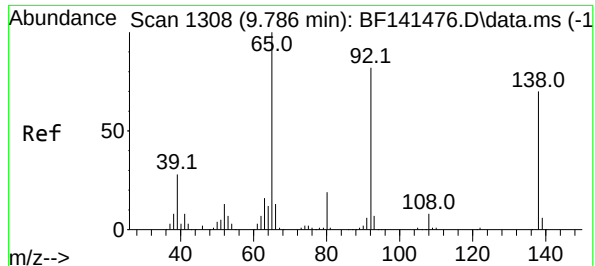
Tgt Ion	Ratio	Lower	Upper
165	100		
63	66.5	49.4	74.0
89	62.5	46.5	69.7



#52
Acenaphthene
Concen: 5.171 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

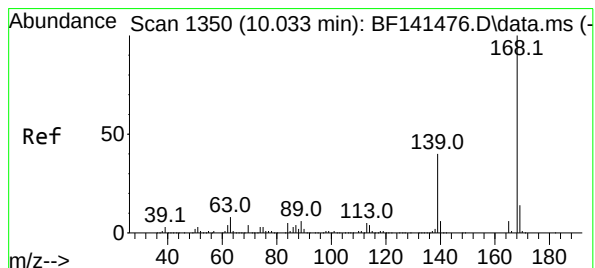
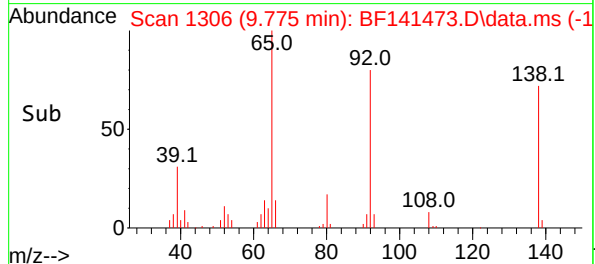
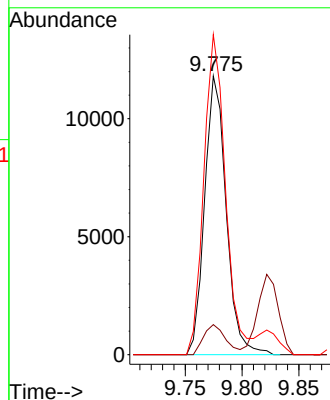
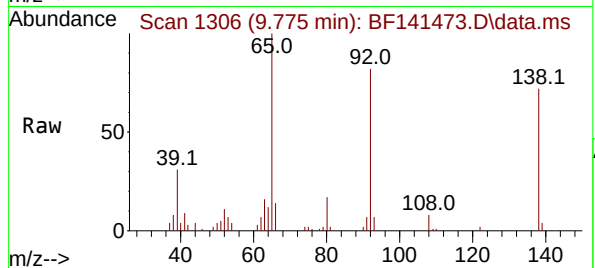
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.2	133.8
152	48.9	39.8	59.8





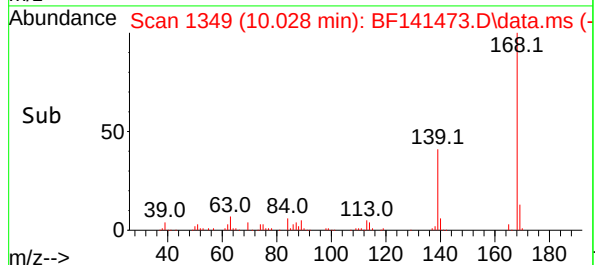
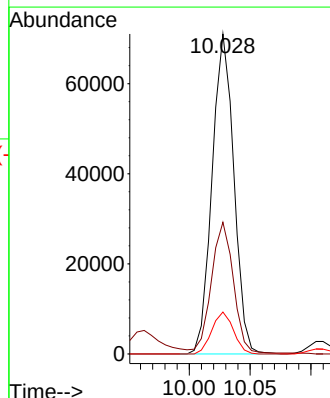
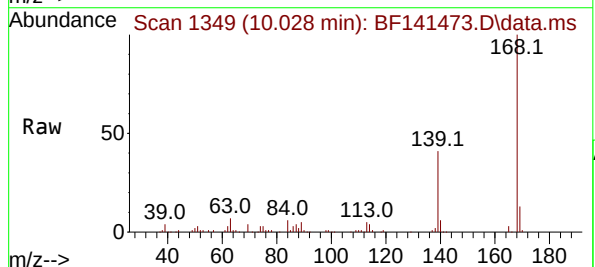
#53
3-Nitroaniline
Concen: 4.884 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

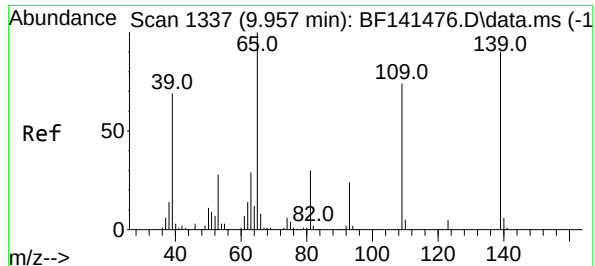
Tgt Ion:138 Resp: 15563
Ion Ratio Lower Upper
138 100
108 10.8 9.0 13.4
92 114.8 93.7 140.5



#55
Dibenzofuran
Concen: 5.252 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

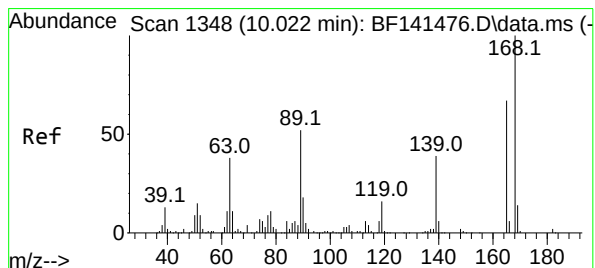
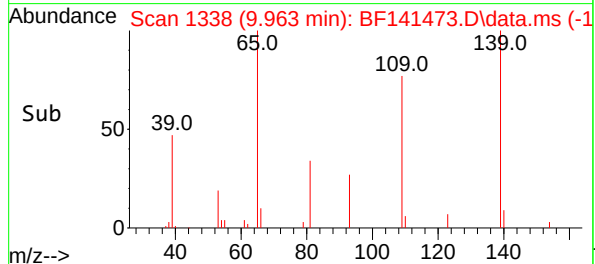
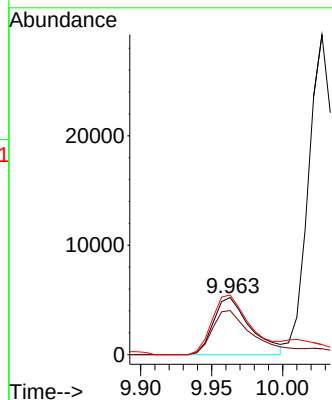
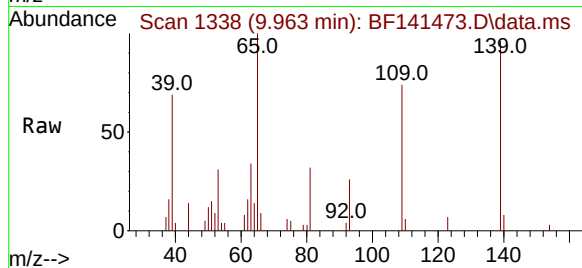
Tgt Ion:168 Resp: 88178
Ion Ratio Lower Upper
168 100
139 41.2 32.7 49.1
169 13.1 10.8 16.2





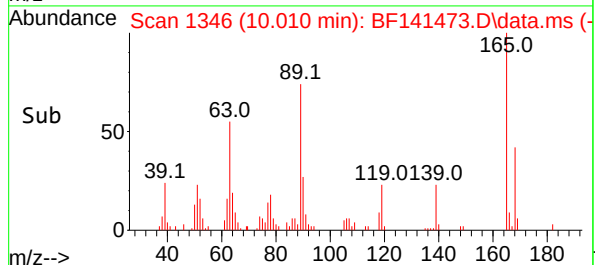
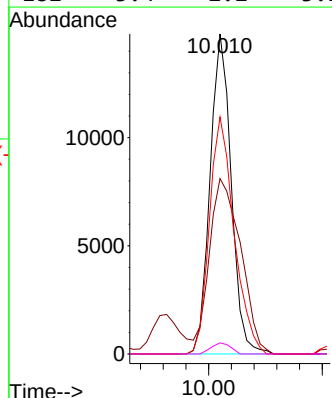
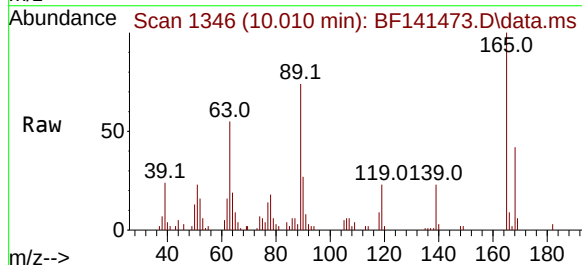
#56
4-Nitrophenol
Concen: 4.008 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

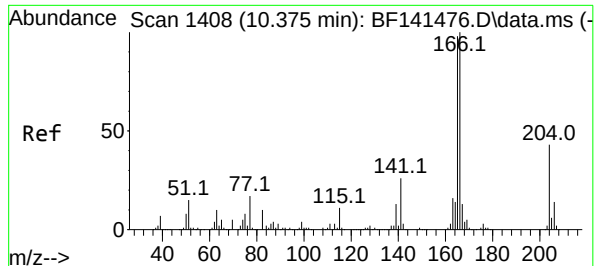
Tgt Ion:139 Resp: 9482
Ion Ratio Lower Upper
139 100
109 77.2 62.0 102.0
65 104.4 91.2 131.2



#57
2,4-Dinitrotoluene
Concen: 4.842 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

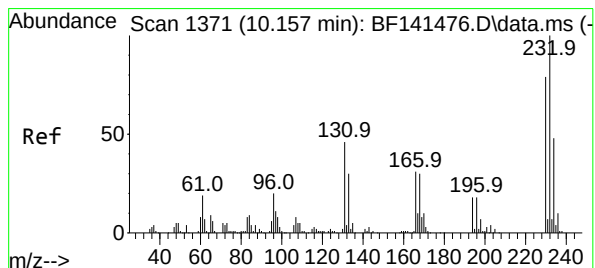
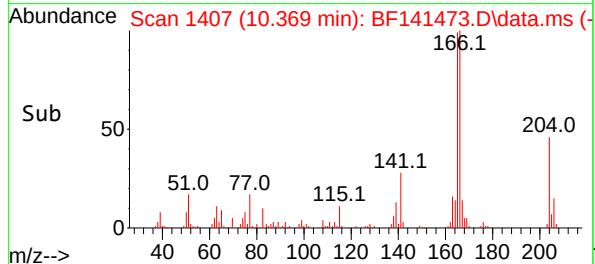
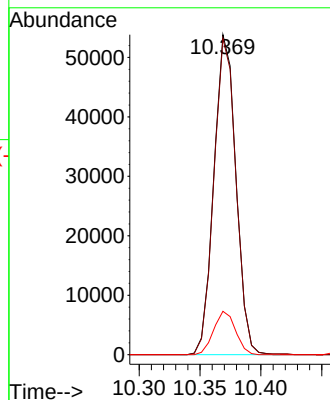
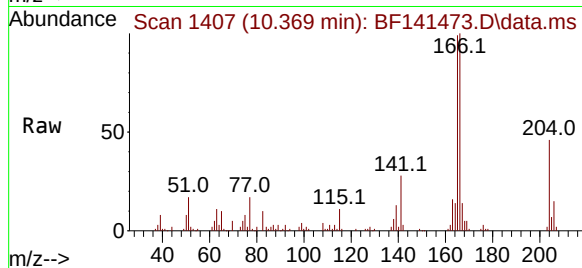
Tgt Ion:165 Resp: 19087
Ion Ratio Lower Upper
165 100
63 54.8 46.4 69.6
89 74.0 61.8 92.6
182 3.4 2.2 3.2#





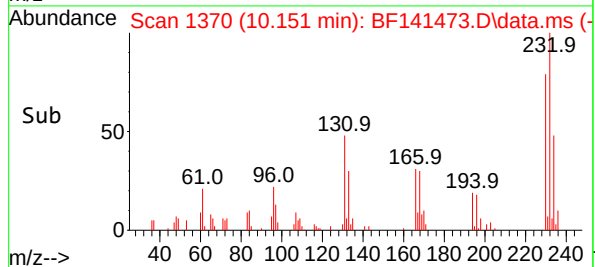
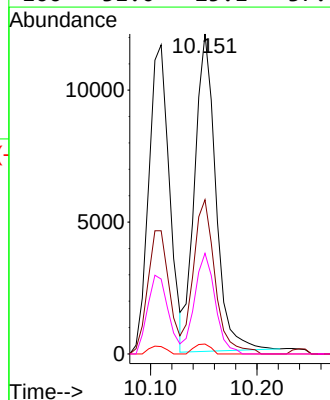
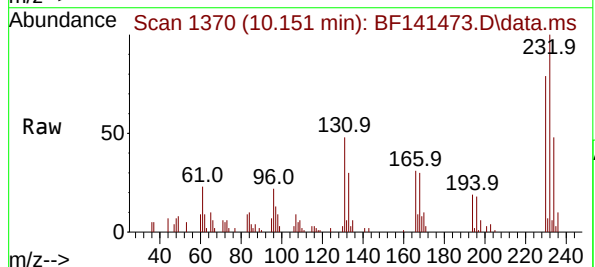
#58
Fluorene
Concen: 5.220 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

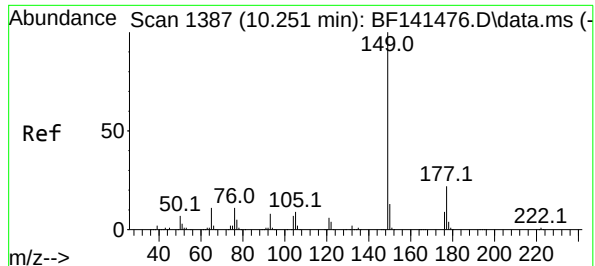
Tgt Ion:166 Resp: 67764
Ion Ratio Lower Upper
166 100
165 98.8 78.2 117.2
167 13.5 10.7 16.1



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.760 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

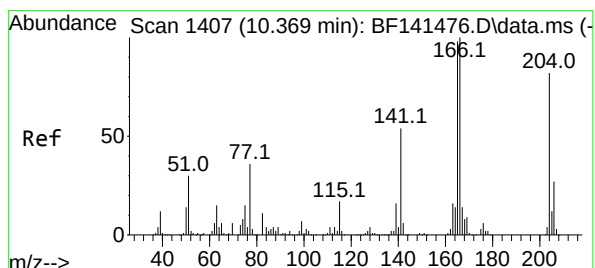
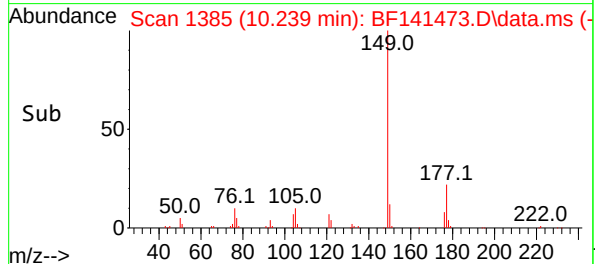
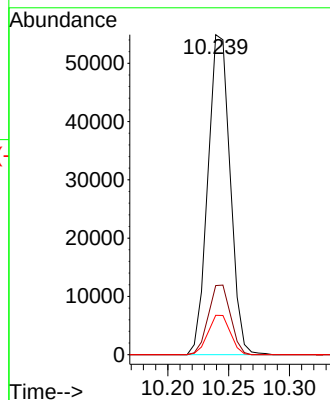
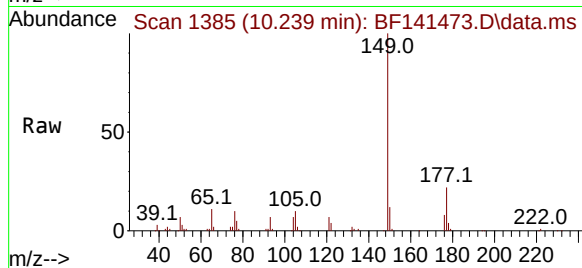
Tgt Ion:232 Resp: 16570
Ion Ratio Lower Upper
232 100
131 50.2 39.2 58.8
130 2.5 2.1 3.1
166 31.0 25.1 37.7





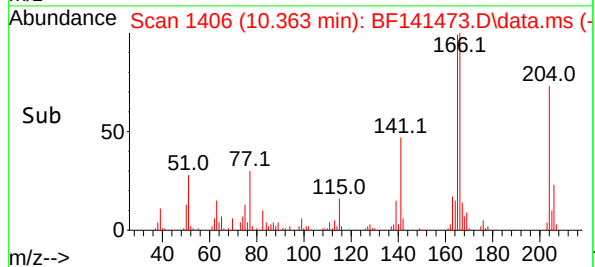
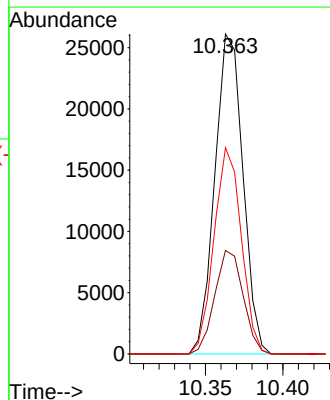
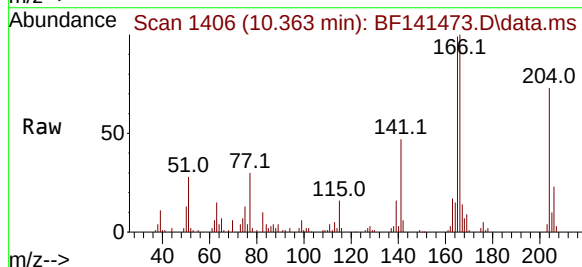
#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

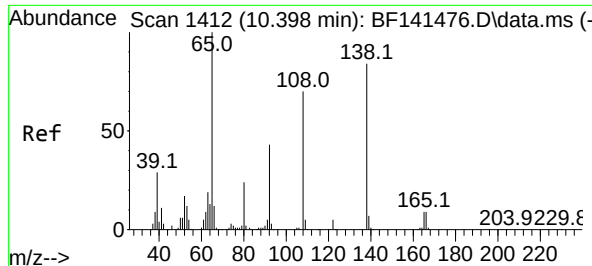
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.8	26.6
150	12.3	10.1	15.1



#61
4-Chlorophenyl-phenylether
Concen: 5.277 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

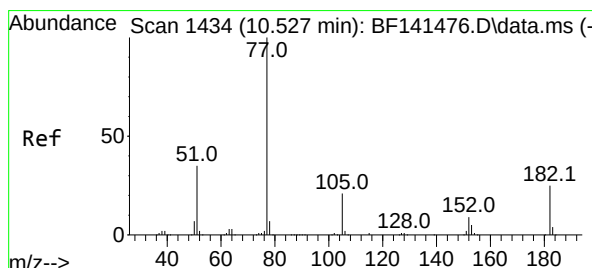
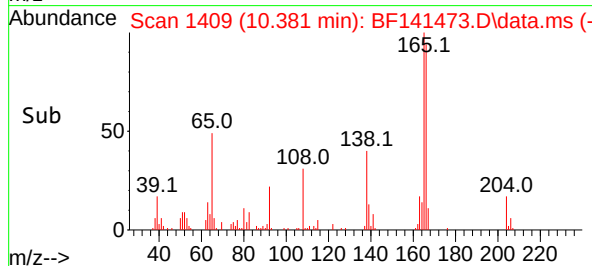
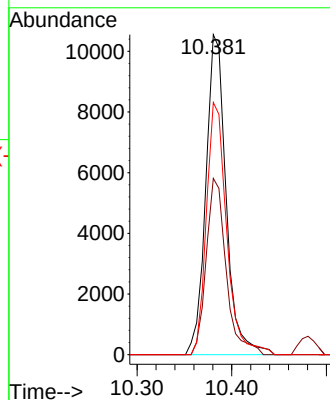
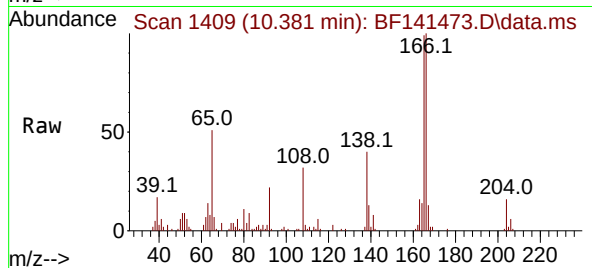
Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	40.0
141	64.4	51.9	77.9





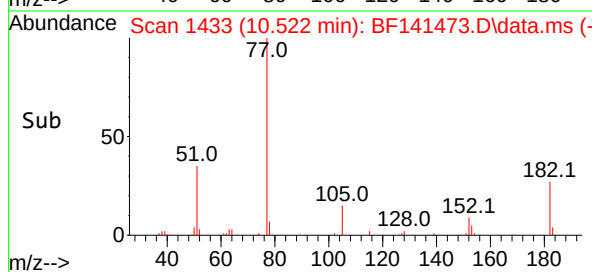
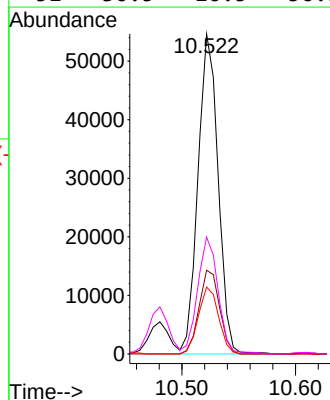
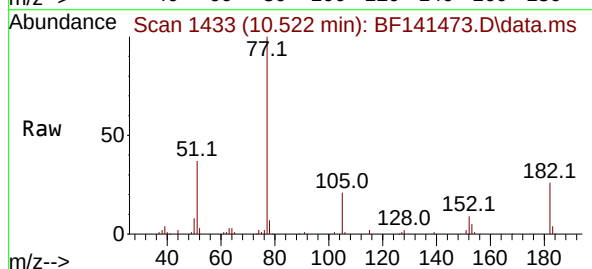
#62
4-Nitroaniline
Concen: 4.855 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

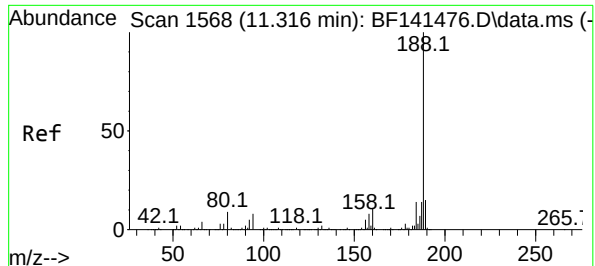
Tgt Ion:138 Resp: 15711
Ion Ratio Lower Upper
138 100
92 55.1 31.3 71.3
108 78.8 63.7 103.7



#63
Azobenzene
Concen: 5.077 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

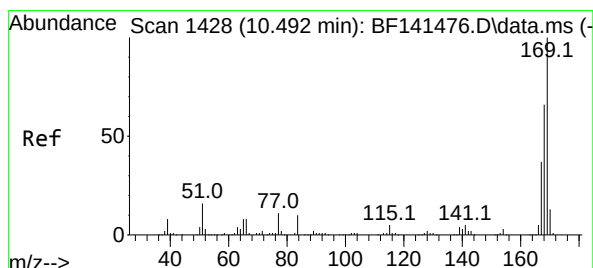
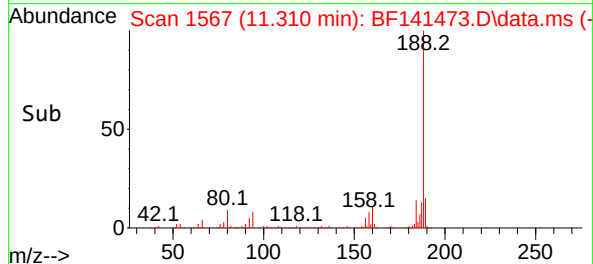
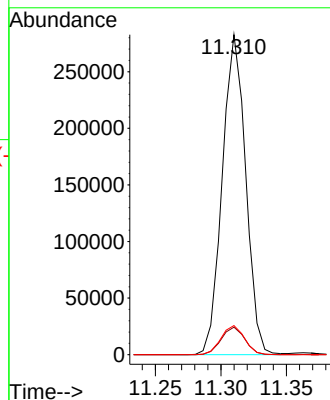
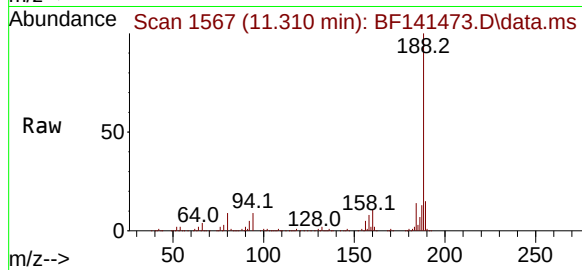
Tgt Ion: 77 Resp: 67256
Ion Ratio Lower Upper
77 100
182 26.2 4.7 44.7
105 20.9 0.4 40.4
51 36.5 16.5 56.5





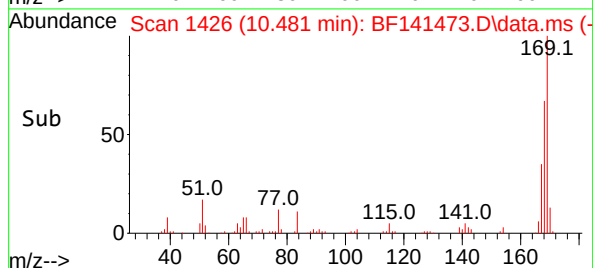
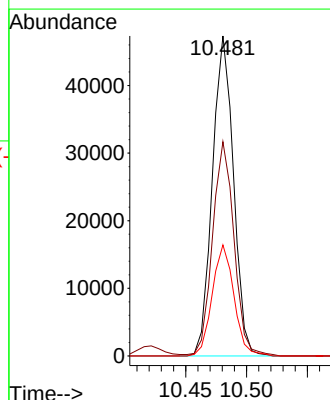
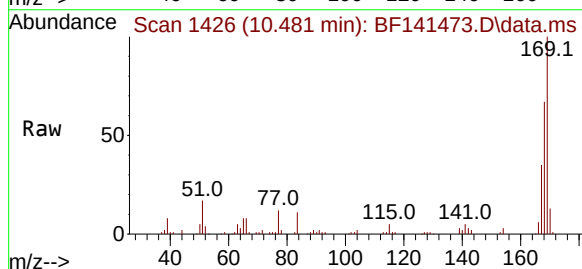
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

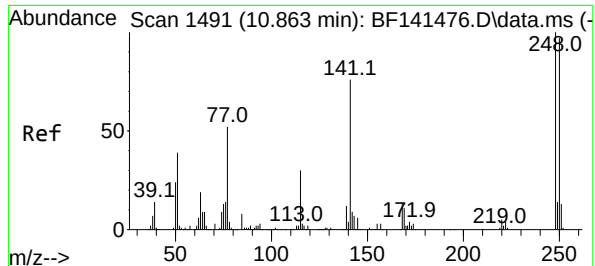
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.1	7.3	10.9



#66
n-Nitrosodiphenylamine
Concen: 5.076 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

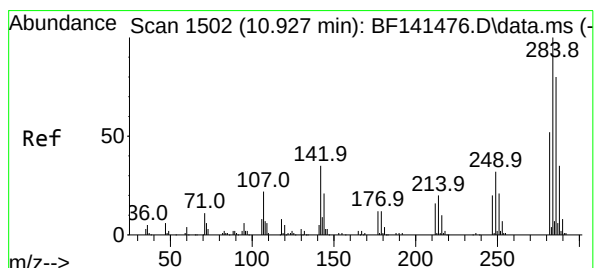
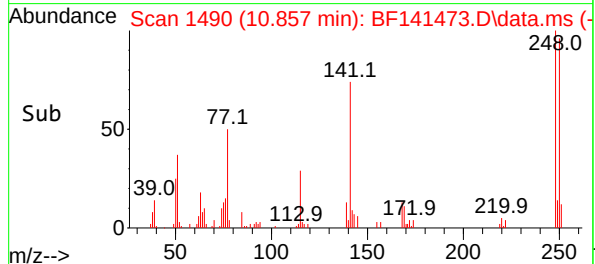
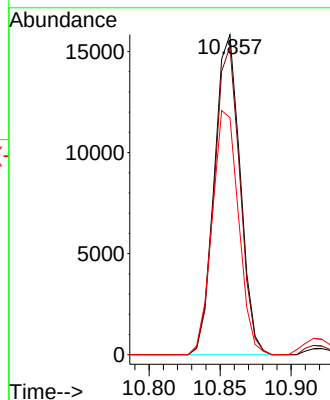
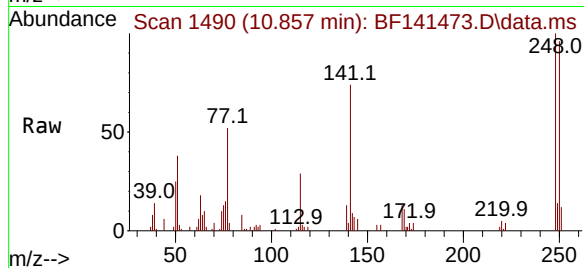
Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.3	79.9
167	34.7	29.4	44.2





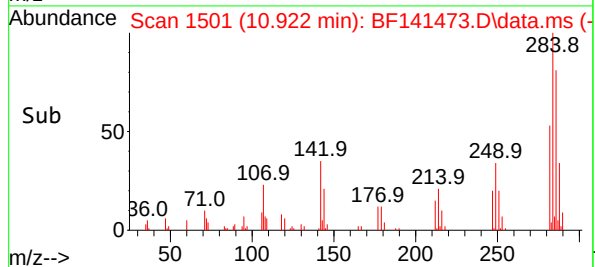
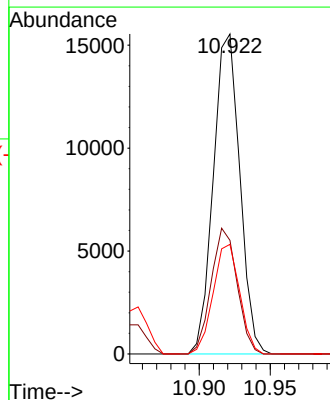
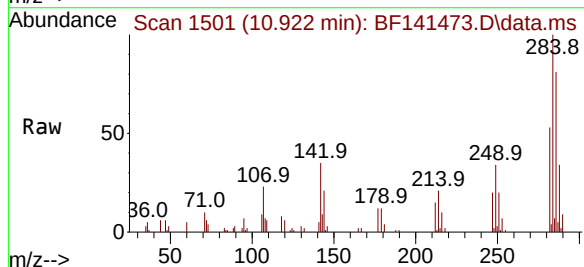
#67
4-Bromophenyl-phenylether
Concen: 5.098 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

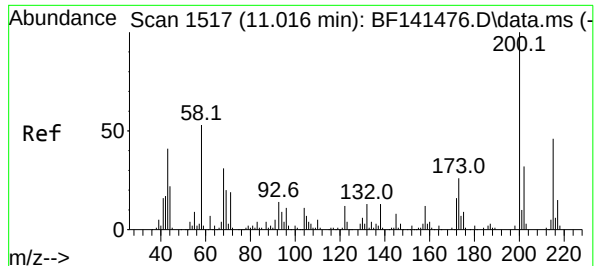
Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.2	77.8	116.6
141	74.1	60.6	90.8



#68
Hexachlorobenzene
Concen: 4.982 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

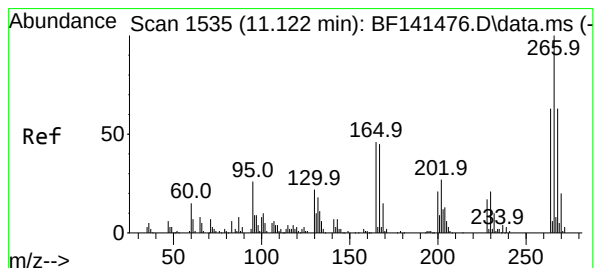
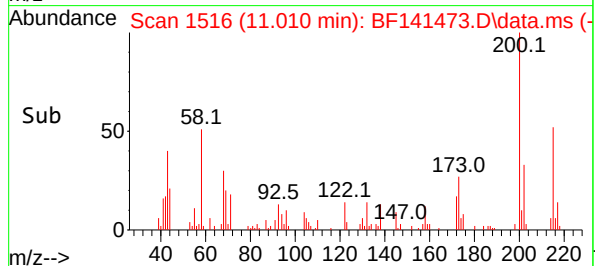
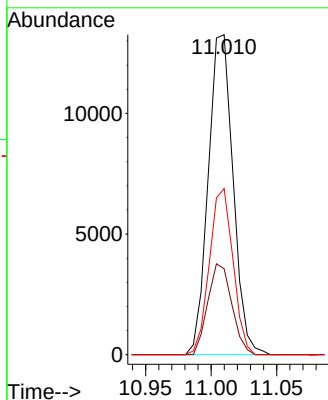
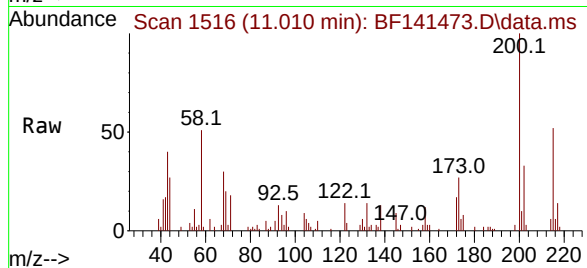
Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.0	42.0
249	34.3	25.8	38.8





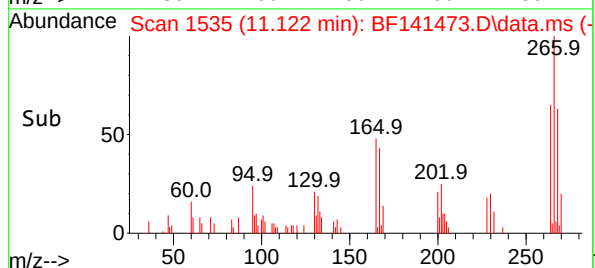
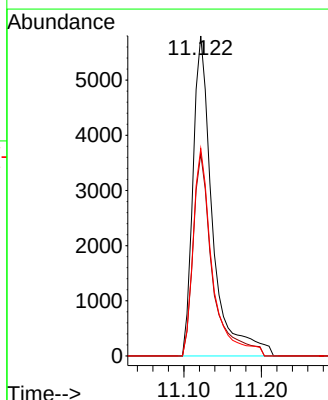
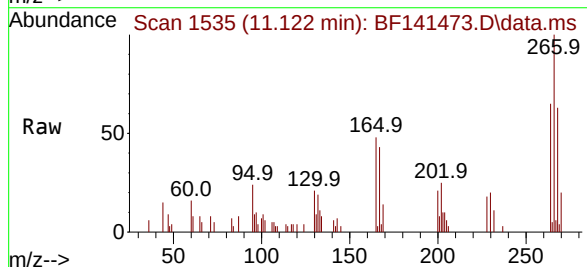
#69
Atrazine
Concen: 5.194 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.011 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

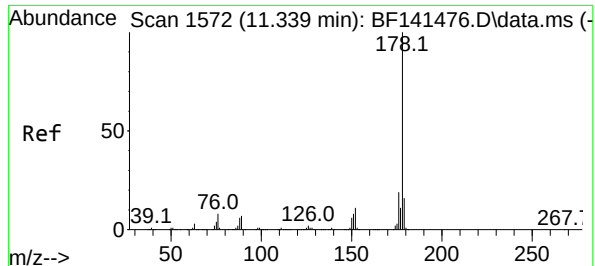
Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.9	5.9	45.9
215	51.9	25.9	65.9



#70
Pentachlorophenol
Concen: 3.928 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

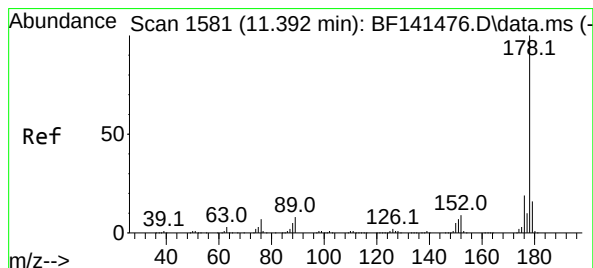
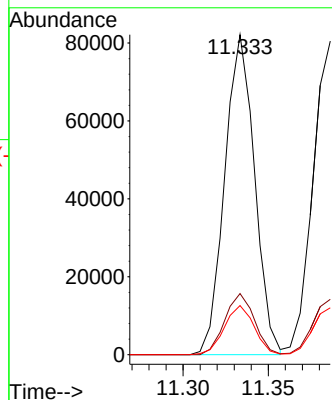
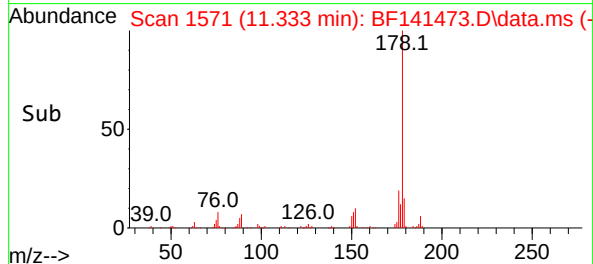
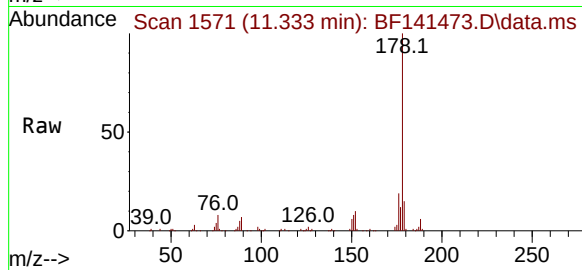
Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.2	50.1	75.1
264	64.8	50.1	75.1





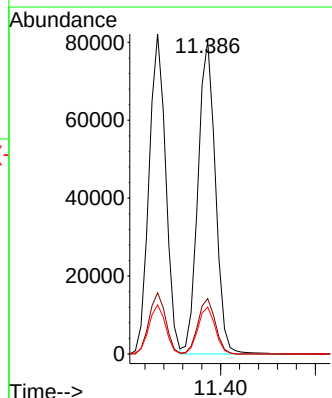
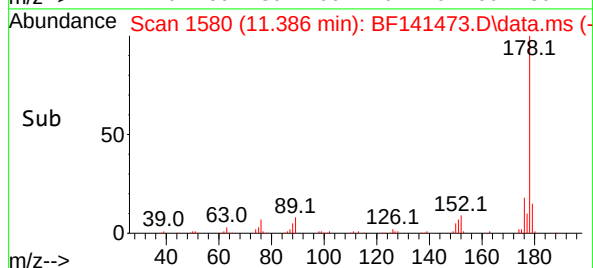
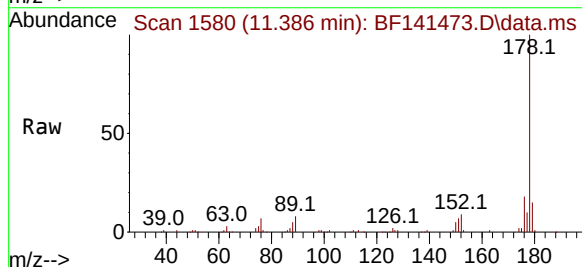
#71
Phenanthrene
Concen: 5.183 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

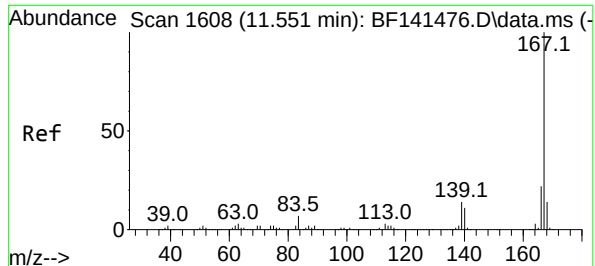
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.4	12.4	18.6



#72
Anthracene
Concen: 5.279 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

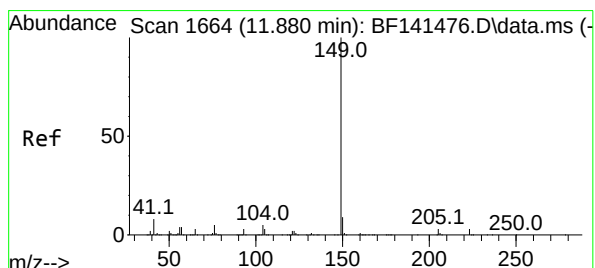
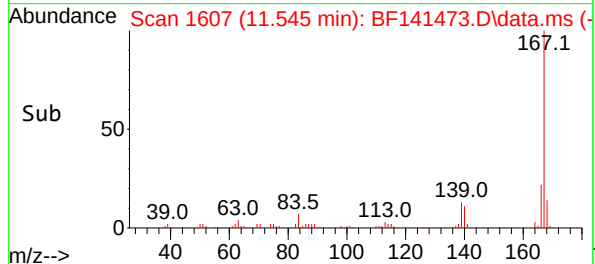
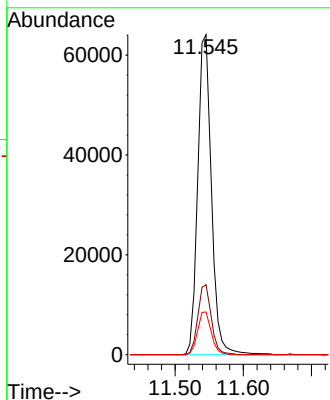
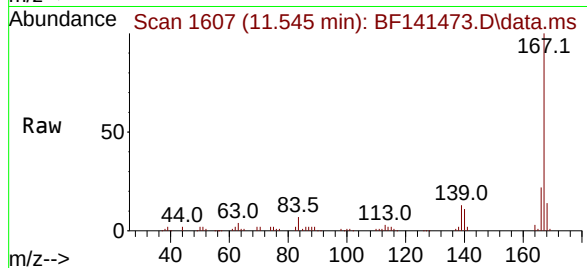
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	15.0	12.4	18.6





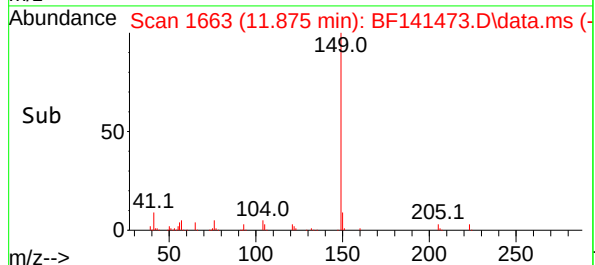
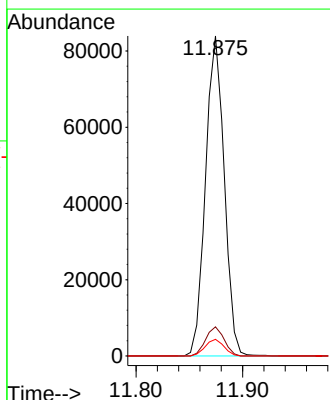
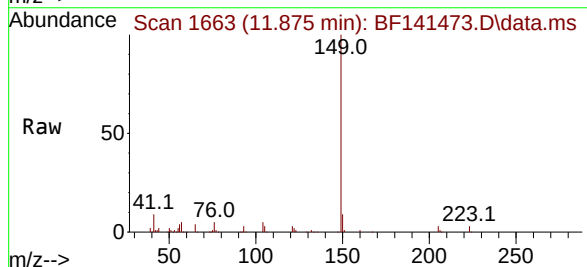
#73
Carbazole
Concen: 5.131 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

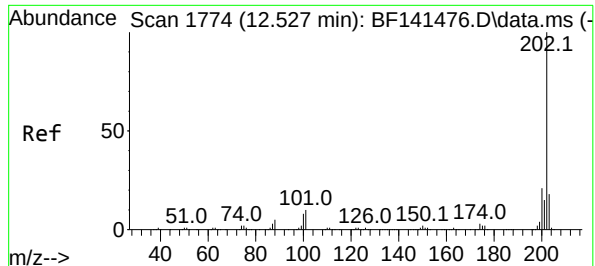
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.4	10.9	16.3



#74
Di-n-butylphthalate
Concen: 5.066 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

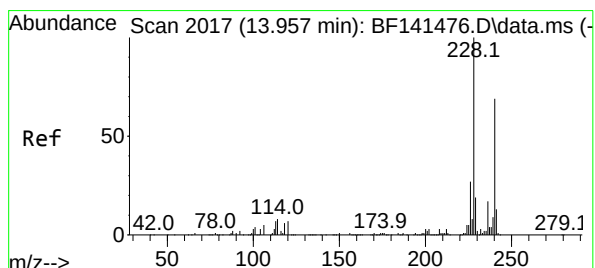
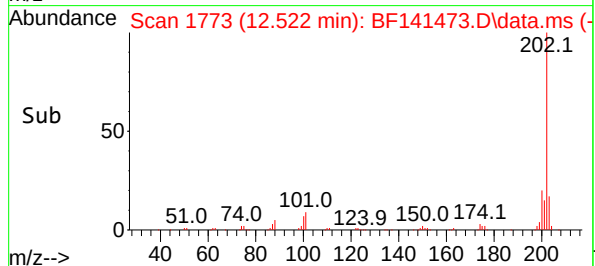
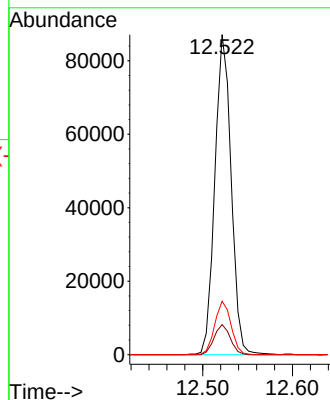
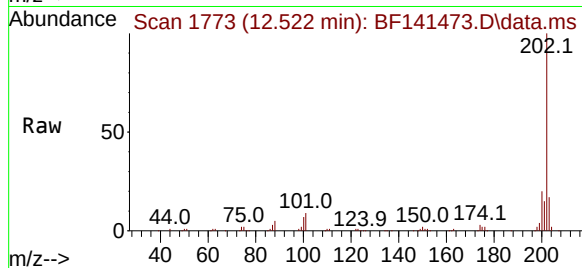
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2





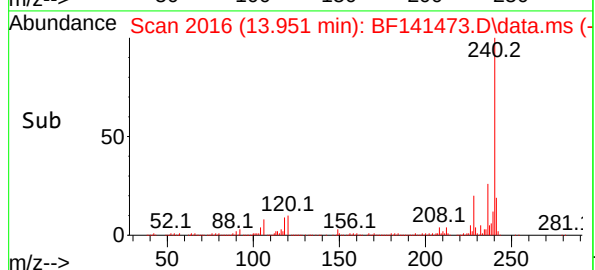
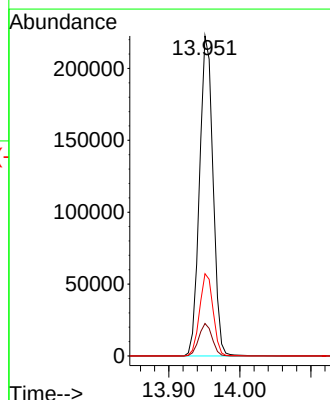
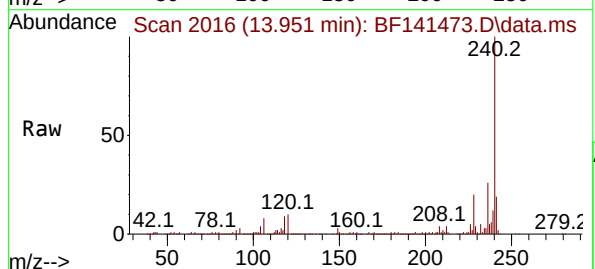
#75
Fluoranthene
Concen: 5.361 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

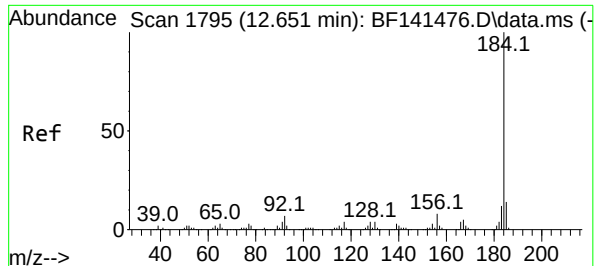
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	16.7	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.0	12.0
236	25.7	19.8	29.8





#77

Benzidine

Concen: 5.370 ng

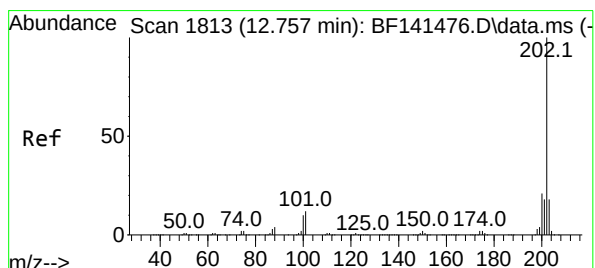
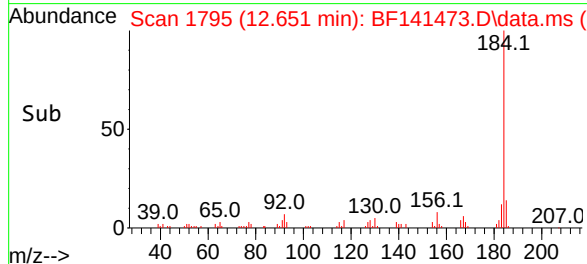
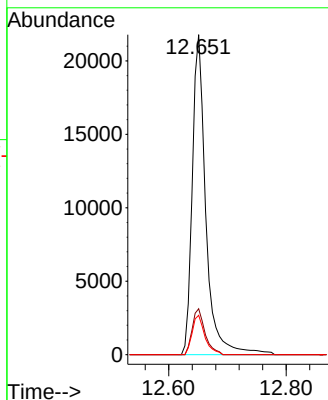
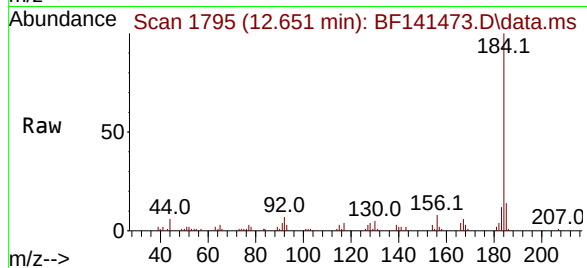
RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:184	Resp:	34946
Ion	Ratio	Lower Upper
184	100	
185	14.3	11.3 16.9
183	12.3	9.3 13.9



#78

Pyrene

Concen: 4.486 ng

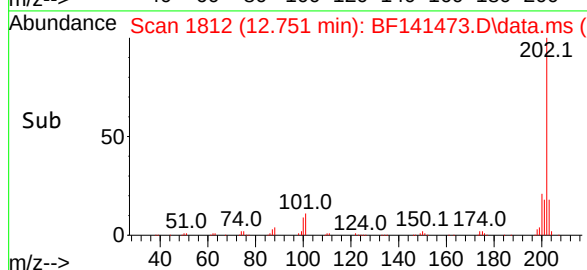
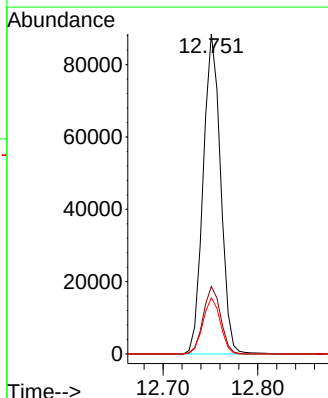
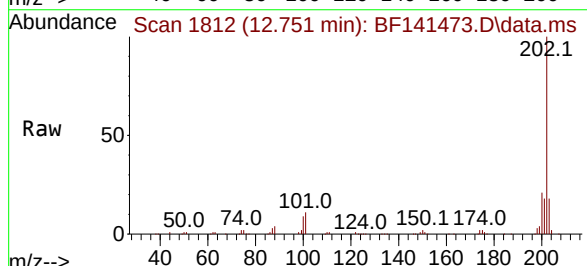
RT: 12.751 min Scan# 1812

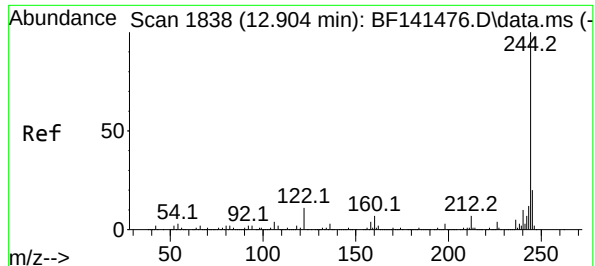
Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

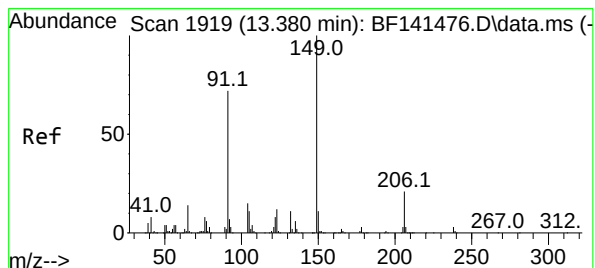
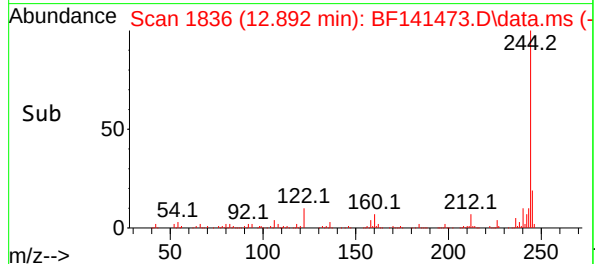
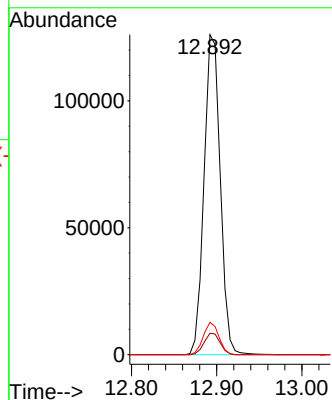
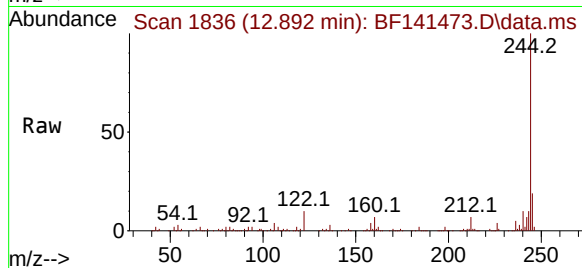
Tgt Ion:202	Resp:	112700
Ion	Ratio	Lower Upper
202	100	
200	21.1	17.0 25.4
203	17.6	14.3 21.5





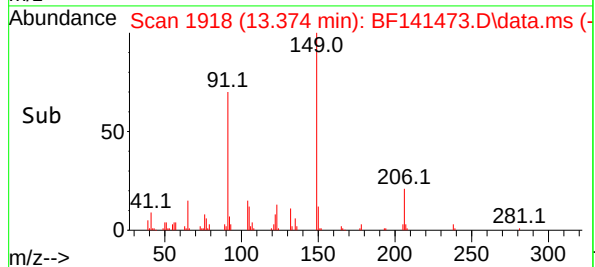
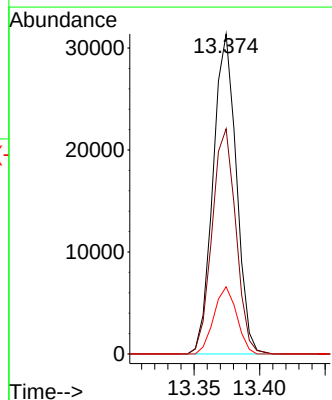
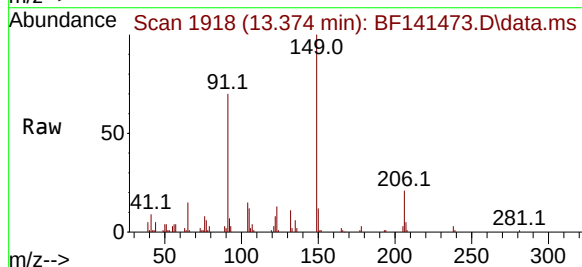
#79
Terphenyl-d14
Concen: 9.531 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

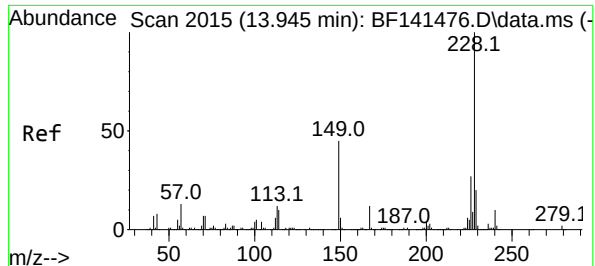
Tgt Ion:244 Resp: 166601
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.1 8.4 12.6



#80
Butylbenzylphthalate
Concen: 4.449 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

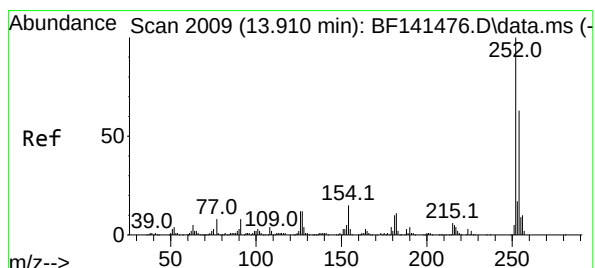
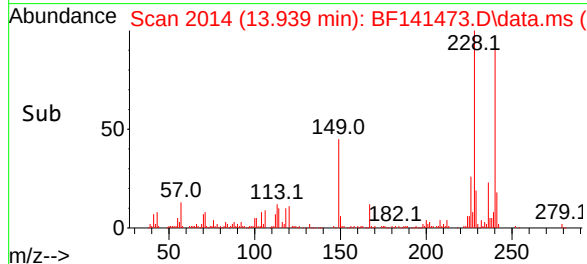
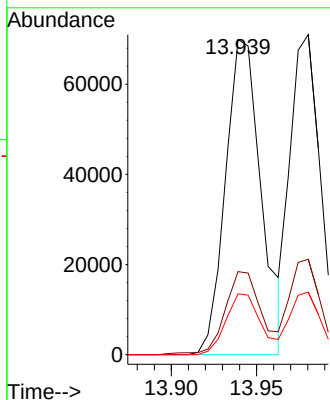
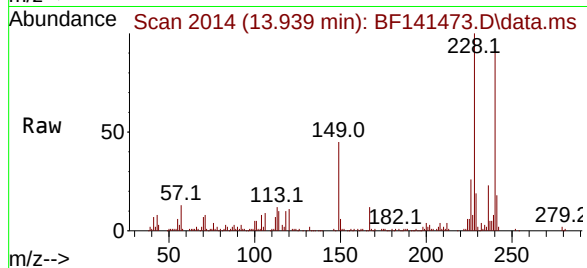
Tgt Ion:149 Resp: 38714
Ion Ratio Lower Upper
149 100
91 70.4 57.8 86.8
206 21.0 16.7 25.1





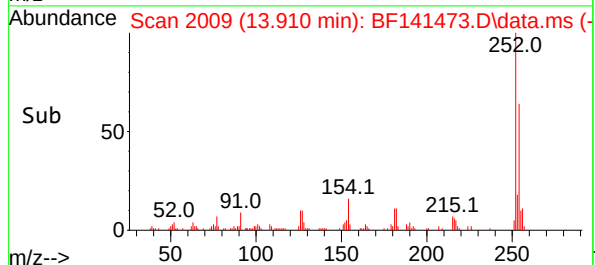
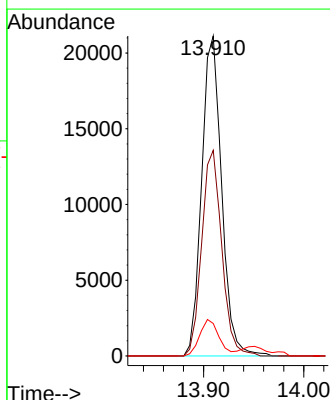
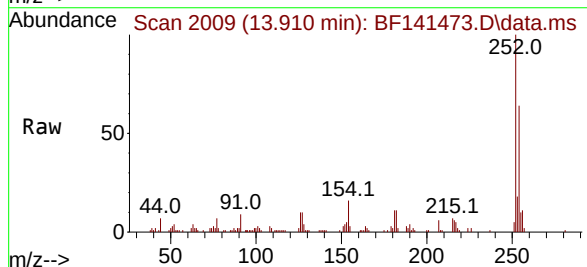
#81
Benzo(a)anthracene
Concen: 5.193 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

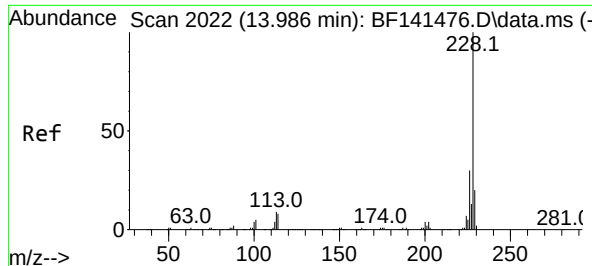
Tgt Ion:228 Resp: 101861
Ion Ratio Lower Upper
228 100
226 26.4 21.8 32.8
229 19.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 5.216 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion:252 Resp: 29306
Ion Ratio Lower Upper
252 100
254 64.2 50.6 76.0
126 10.2 9.3 13.9





#83

Chrysene

Concen: 4.834 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

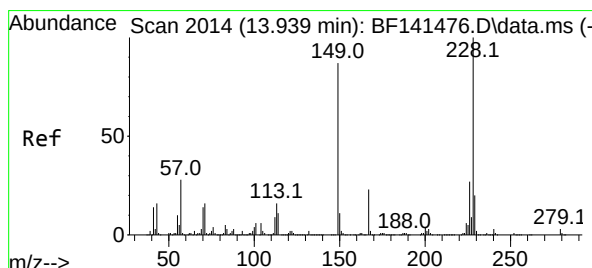
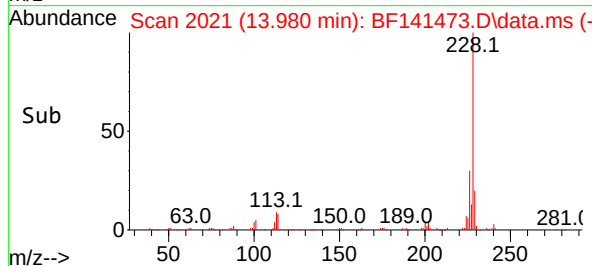
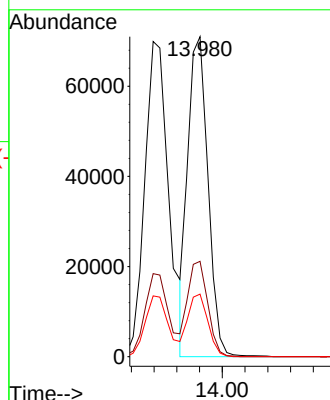
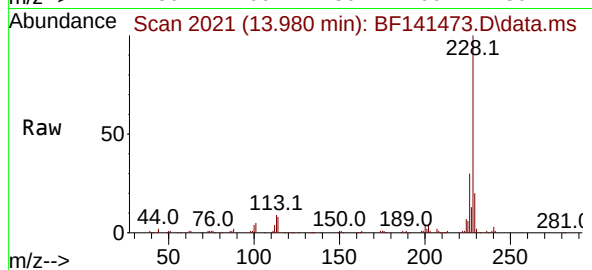
Tgt Ion:228 Resp: 87555

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 19.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.457 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

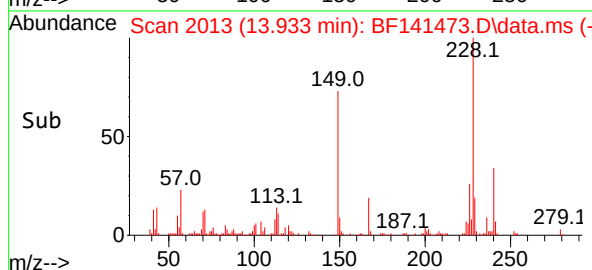
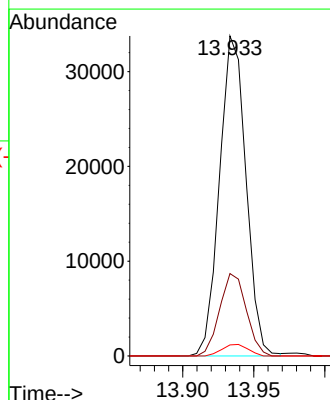
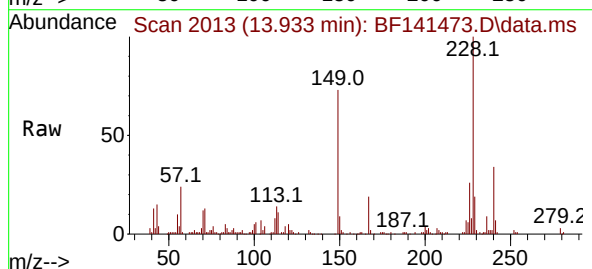
Tgt Ion:149 Resp: 43735

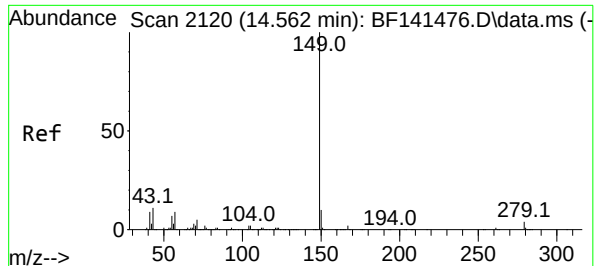
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

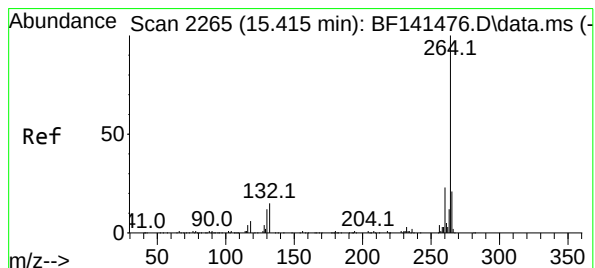
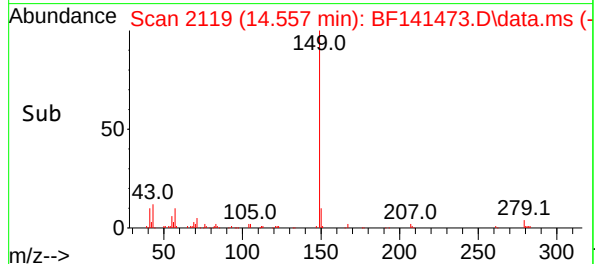
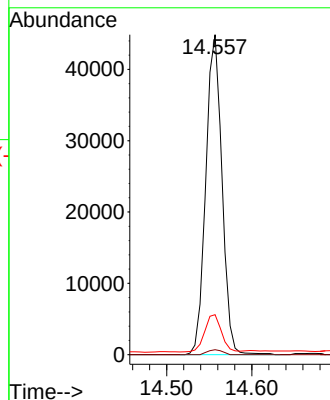
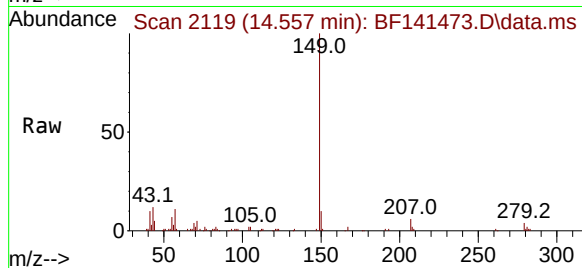
279 3.4 3.1 4.7





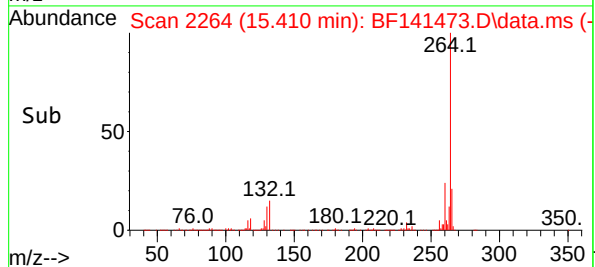
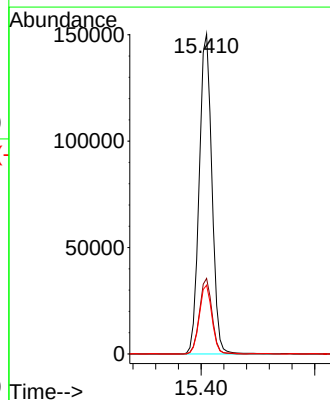
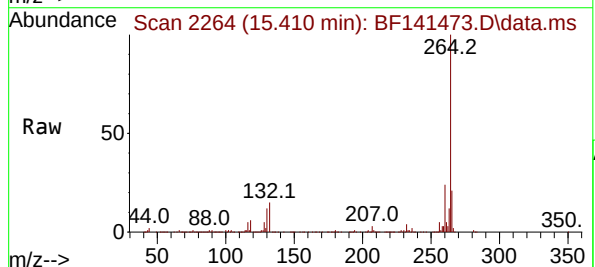
#85
Di-n-octyl phthalate
Concen: 4.229 ng
RT: 14.557 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

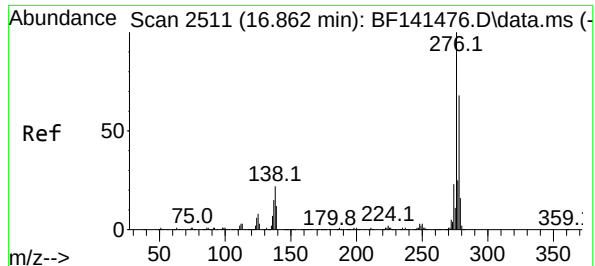
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	12.0	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.5	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.993 ng

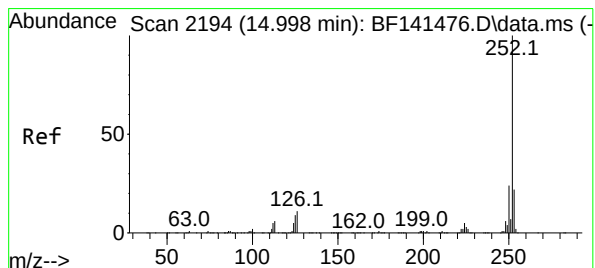
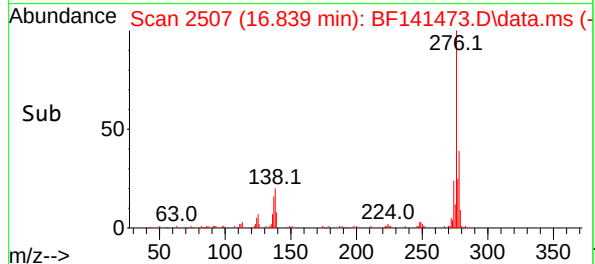
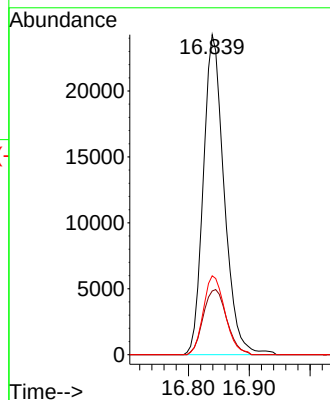
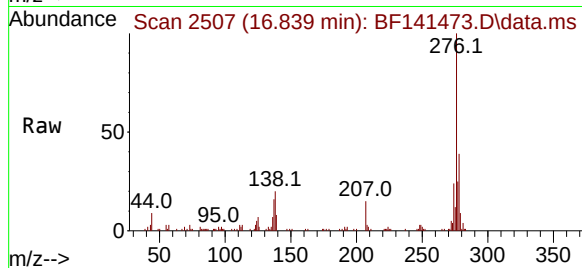
RT: 16.839 min Scan# 2507

Delta R.T. -0.035 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:	276	Resp:	57572
Ion Ratio	Lower	Upper	
276	100		
138	23.1	18.0	27.0
277	25.6	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 4.789 ng

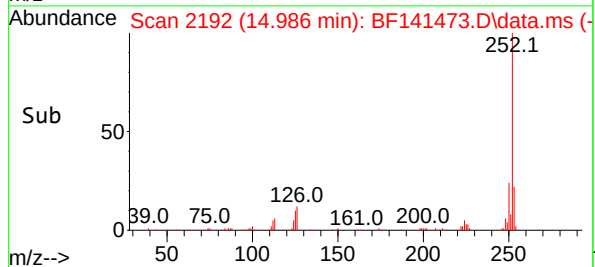
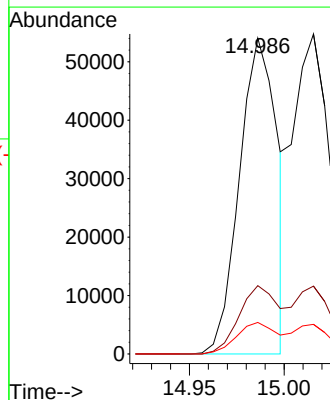
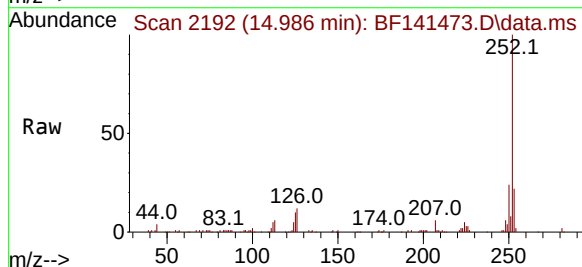
RT: 14.986 min Scan# 2192

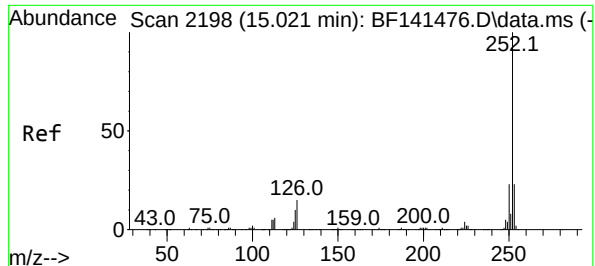
Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

Tgt Ion:	252	Resp:	75033
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	10.0	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 4.853 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

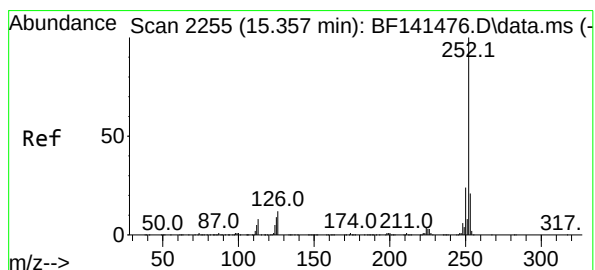
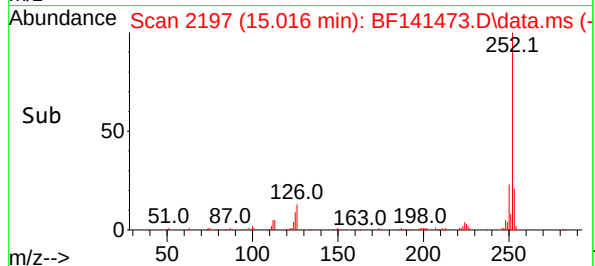
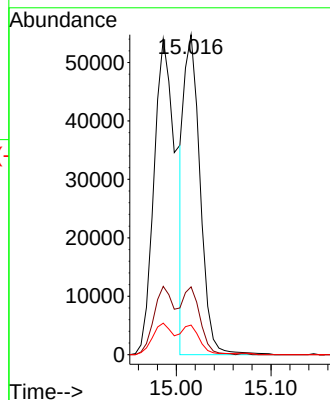
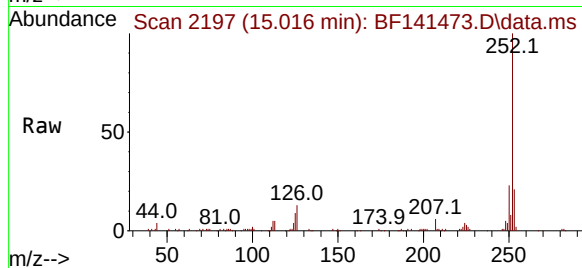
Tgt Ion:252 Resp: 64919

Ion Ratio Lower Upper

252 100

253 21.2 18.0 27.0

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 4.993 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.017 min

Lab File: BF141473.D

Acq: 06 Feb 2025 11:34

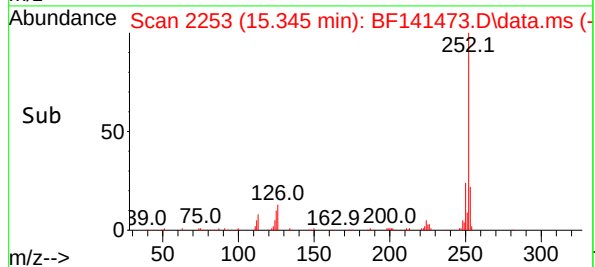
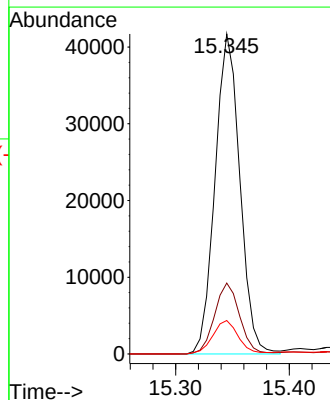
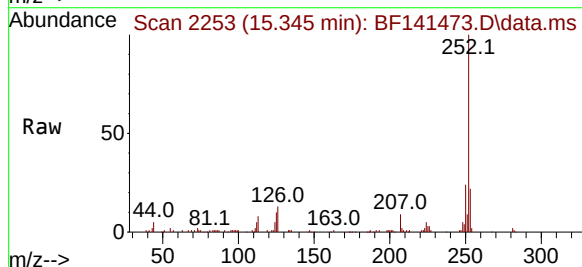
Tgt Ion:252 Resp: 63295

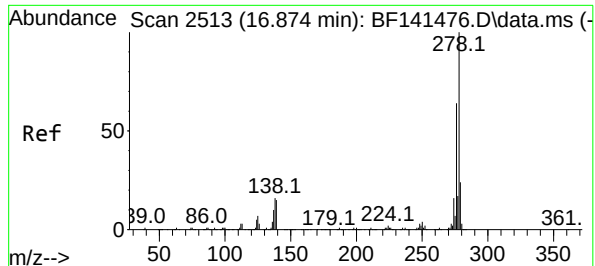
Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

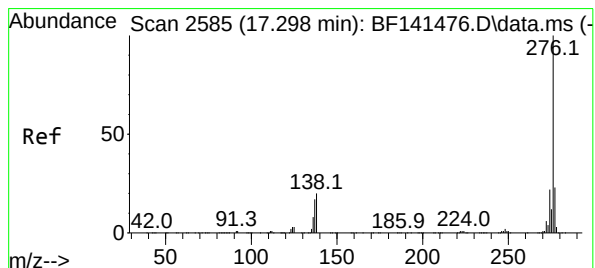
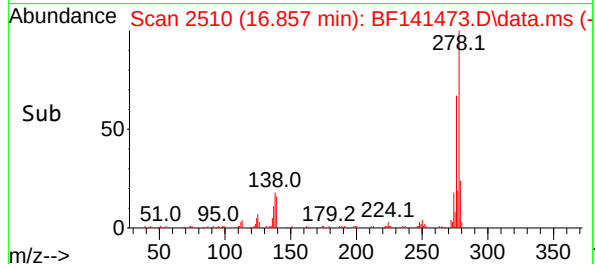
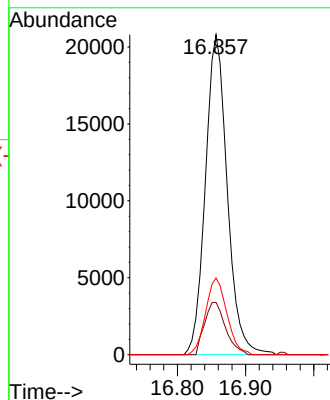
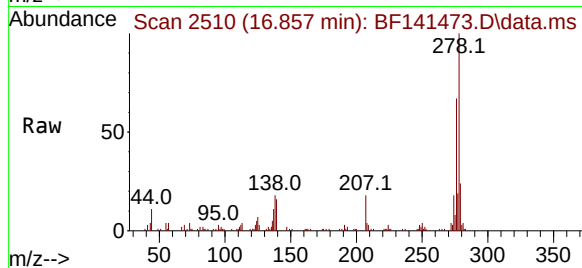
125 10.4 7.4 11.2





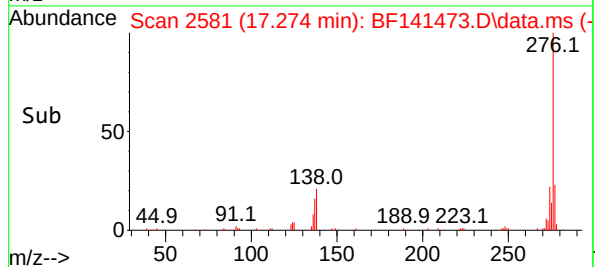
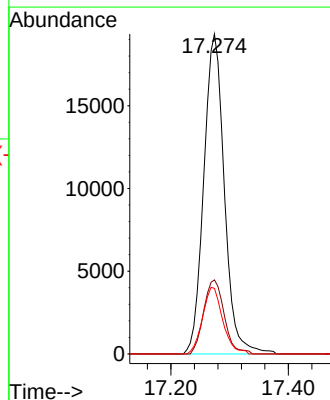
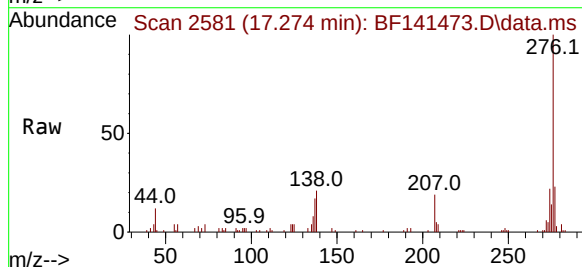
#91
Dibenzo(a,h)anthracene
Concen: 3.974 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.035 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.8	17.6
279	24.0	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 3.841 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141473.D
Acq: 06 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	20.5	15.9	23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141474.D
 Acq On : 06 Feb 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 06 16:00:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	88879	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	361197	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	200046	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	347312	20.000	ng	0.00
76) Chrysene-d12	13.957	240	284792	20.000	ng	0.00
86) Perylene-d12	15.416	264	215900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	114669	20.227	ng	0.00
7) Phenol-d6	6.422	99	144805	20.209	ng	-0.02
23) Nitrobenzene-d5	7.345	82	136996	19.783	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	40073	19.941	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	271988	20.947	ng	0.00
79) Terphenyl-d14	12.898	244	314541	18.645	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	23063	10.108	ng	95
3) Pyridine	3.216	79	53532	9.859	ng	99
4) n-Nitrosodimethylamine	3.146	42	34386	9.564	ng	# 97
6) Aniline	6.446	93	68661	10.215	ng	92
8) 2-Chlorophenol	6.575	128	62679	10.232	ng	99
9) Benzaldehyde	6.334	77	44111	11.585	ng	99
10) Phenol	6.440	94	74689	10.015	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	54627	9.752	ng	98
12) 1,3-Dichlorobenzene	6.728	146	65850	10.182	ng	98
13) 1,4-Dichlorobenzene	6.804	146	68330	10.341	ng	97
14) 1,2-Dichlorobenzene	6.957	146	63948	10.428	ng	99
15) Benzyl Alcohol	6.928	79	55580	10.115	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	99782	10.406	ng	98
17) 2-Methylphenol	7.045	107	48375	10.092	ng	97
18) Hexachloroethane	7.298	117	24233	9.910	ng	98
19) n-Nitroso-di-n-propyla...	7.192	70	43762	10.210	ng	97
20) 3+4-Methylphenols	7.198	107	62949	10.332	ng	96
22) Acetophenone	7.192	105	90614	10.085	ng	# 97
24) Nitrobenzene	7.363	77	67032	9.927	ng	96
25) Isophorone	7.604	82	107242	9.712	ng	99
26) 2-Nitrophenol	7.687	139	31590	9.403	ng	97
27) 2,4-Dimethylphenol	7.728	122	38303	9.759	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	70458	9.958	ng	97
29) 2,4-Dichlorophenol	7.934	162	51883	9.784	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	57937	10.033	ng	97
31) Naphthalene	8.092	128	188046	10.002	ng	99
32) Benzoic acid	7.810	122	33645	8.253	ng	98
33) 4-Chloroaniline	8.145	127	63529	9.678	ng	98
34) Hexachlorobutadiene	8.210	225	34431	9.932	ng	98
35) Caprolactam	8.481	113	15331	9.495	ng	98
36) 4-Chloro-3-methylphenol	8.628	107	58441	9.949	ng	99
37) 2-Methylnaphthalene	8.781	142	124517	10.177	ng	99
38) 1-Methylnaphthalene	8.881	142	118722	10.019	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	58800	10.160	ng	98
41) Hexachlorocyclopentadiene	8.934	237	13785	7.161	ng	91
43) 2,4,6-Trichlorophenol	9.063	196	36558	9.773	ng	99

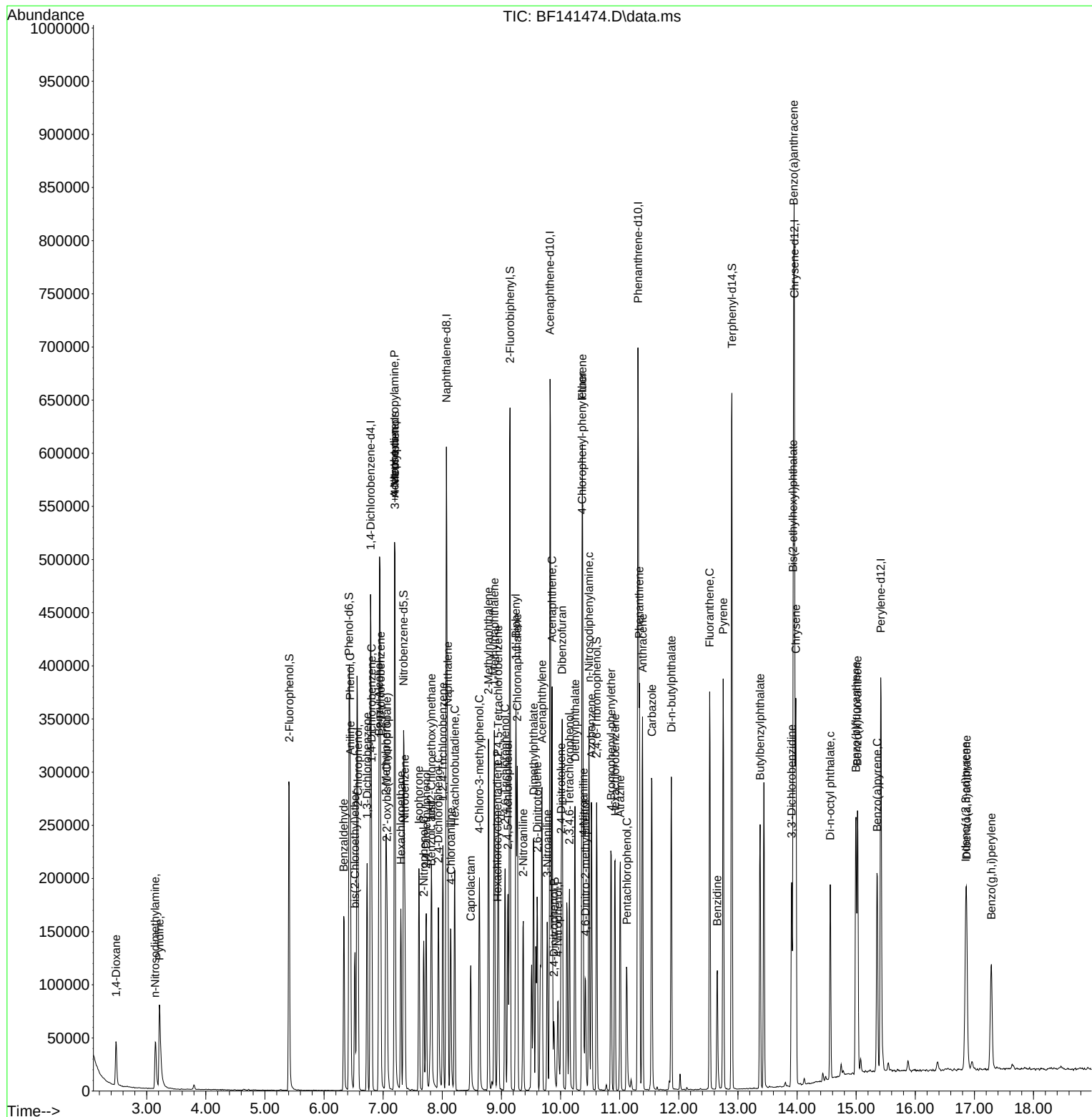
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141474.D
 Acq On : 06 Feb 2025 12:00
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

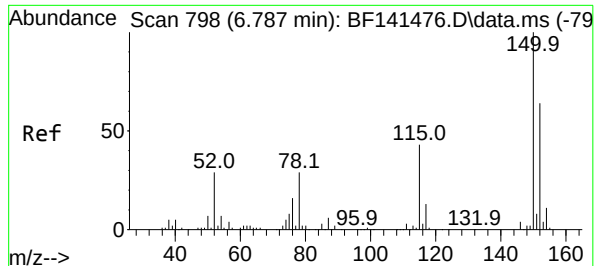
Quant Time: Feb 06 16:00:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	40697	10.039	ng	97
46) 1,1'-Biphenyl	9.245	154	156431	10.086	ng	99
47) 2-Chloronaphthalene	9.269	162	116119	10.125	ng	99
48) 2-Nitroaniline	9.369	65	37155	9.653	ng	96
49) Acenaphthylene	9.686	152	173644	10.179	ng	99
50) Dimethylphthalate	9.545	163	135886	10.006	ng	100
51) 2,6-Dinitrotoluene	9.604	165	29006	9.770	ng	96
52) Acenaphthene	9.857	154	116461m	10.155	ng	
53) 3-Nitroaniline	9.775	138	31330	9.805	ng	100
54) 2,4-Dinitrophenol	9.886	184	13341	7.561	ng	98
55) Dibenzofuran	10.028	168	172206	10.230	ng	98
56) 4-Nitrophenol	9.957	139	21569	9.093	ng	96
57) 2,4-Dinitrotoluene	10.010	165	40306	10.198	ng	93
58) Fluorene	10.369	166	136110	10.458	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	36102	10.344	ng	# 96
60) Diethylphthalate	10.245	149	134593	10.073	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	64305	10.270	ng	97
62) 4-Nitroaniline	10.386	138	31934	9.842	ng	98
63) Azobenzene	10.522	77	132968	10.010	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	20074	8.320	ng	98
66) n-Nitrosodiphenylamine	10.481	169	113408	10.201	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	38257	9.856	ng	97
68) Hexachlorobenzene	10.922	284	40715	10.186	ng	98
69) Atrazine	11.010	200	35287	10.580	ng	98
70) Pentachlorophenol	11.122	266	22735	8.895	ng	98
71) Phenanthrene	11.333	178	196586	10.283	ng	99
72) Anthracene	11.386	178	195528	10.174	ng	99
73) Carbazole	11.545	167	178223	10.306	ng	99
74) Di-n-butylphthalate	11.875	149	200806	10.057	ng	100
75) Fluoranthene	12.522	202	215218	10.618	ng	99
77) Benzidine	12.651	184	69402	11.050	ng	98
78) Pyrene	12.751	202	221721	9.146	ng	99
80) Butylbenzylphthalate	13.374	149	76852	9.152	ng	100
81) Benzo(a)anthracene	13.945	228	189705	10.021	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	58487	10.785	ng	99
83) Chrysene	13.980	228	174103	9.960	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	86853	9.171	ng	98
85) Di-n-octyl phthalate	14.563	149	115875	8.576	ng	100
87) Indeno(1,2,3-cd)pyrene	16.851	276	111083	8.327	ng	98
88) Benzo(b)fluoranthene	14.998	252	151861	10.476	ng	98
89) Benzo(k)fluoranthene	15.021	252	131265	10.604	ng	99
90) Benzo(a)pyrene	15.357	252	115948	9.885	ng	99
91) Dibenzo(a,h)anthracene	16.868	278	89400	8.271	ng	99
92) Benzo(g,h,i)perylene	17.286	276	93242	8.243	ng	99

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

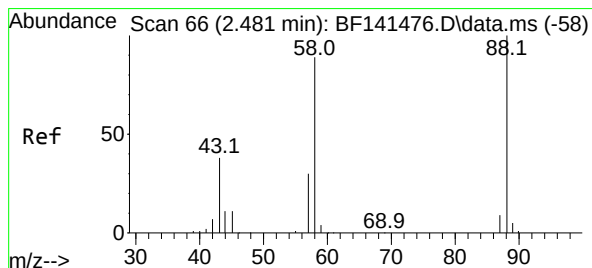
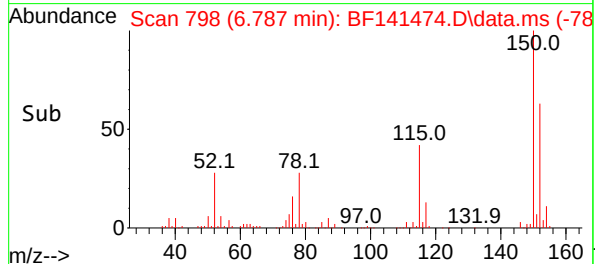
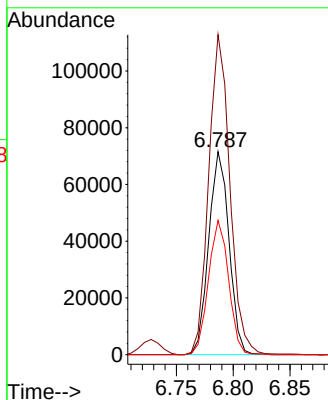
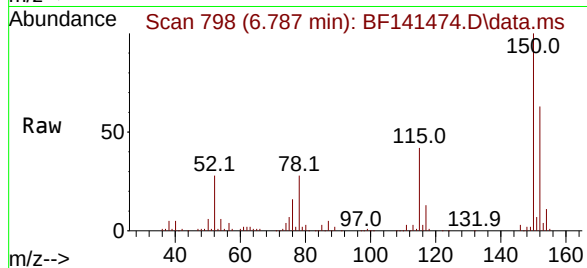
Quant Time: Feb 06 16:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





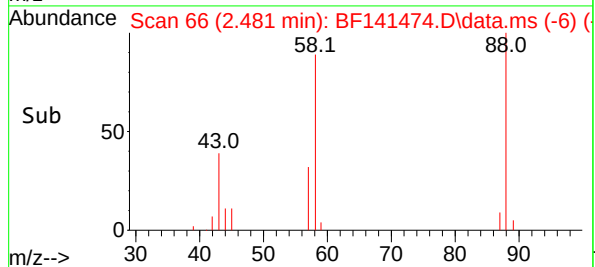
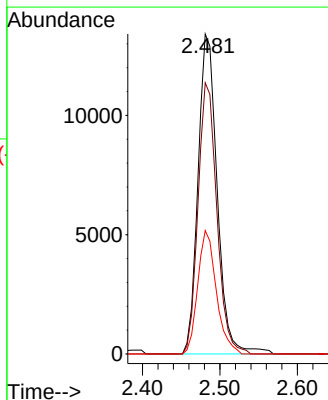
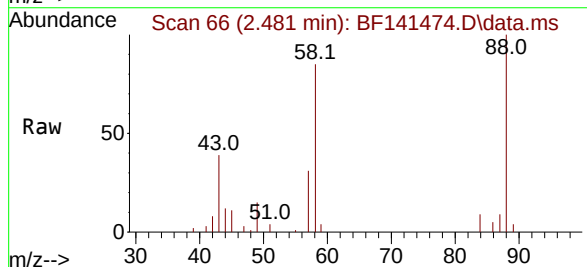
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

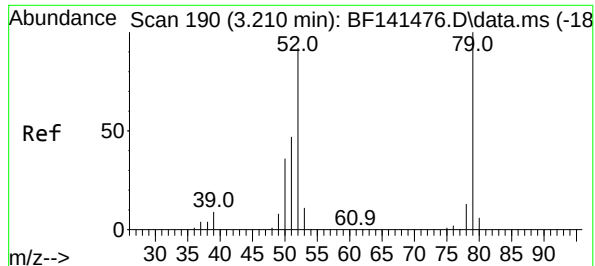
Tgt Ion:152 Resp: 88879
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 66.1 53.6 80.4



#2
1,4-Dioxane
Concen: 10.108 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

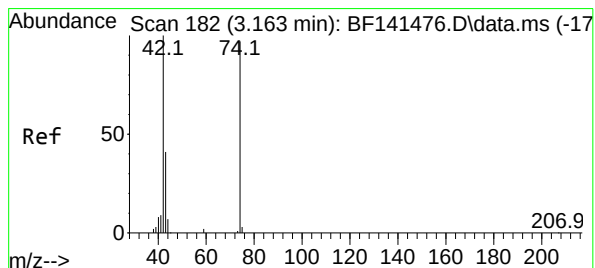
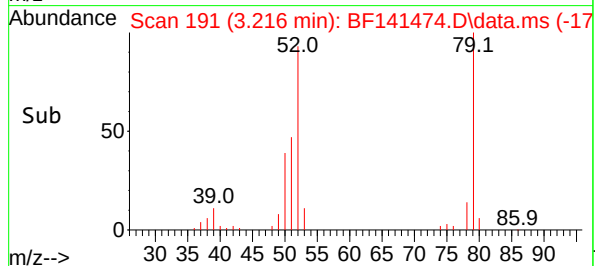
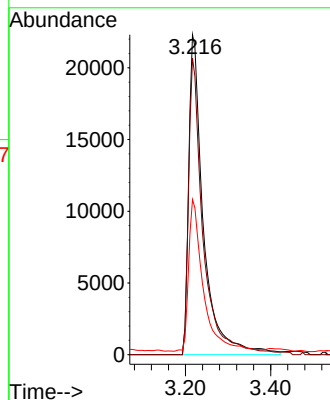
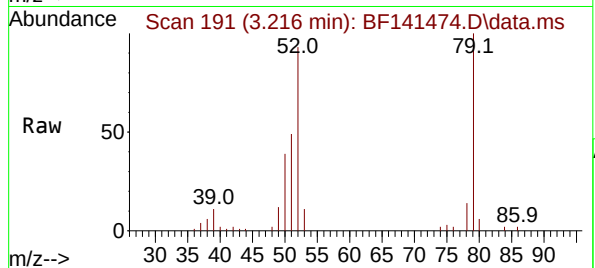
Tgt Ion: 88 Resp: 23063
Ion Ratio Lower Upper
88 100
58 83.0 71.1 106.7
43 37.3 30.6 46.0





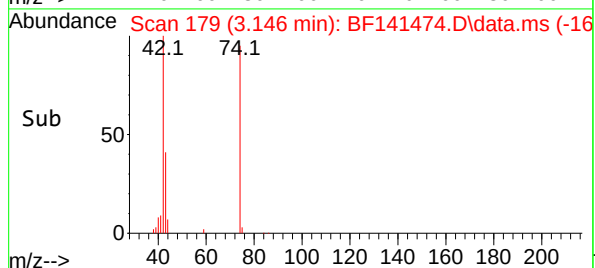
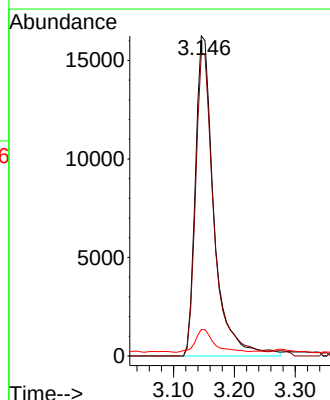
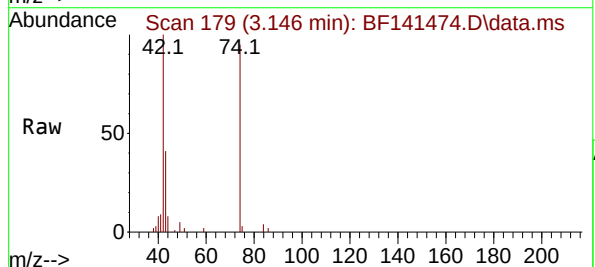
#3
Pyridine
Concen: 9.859 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

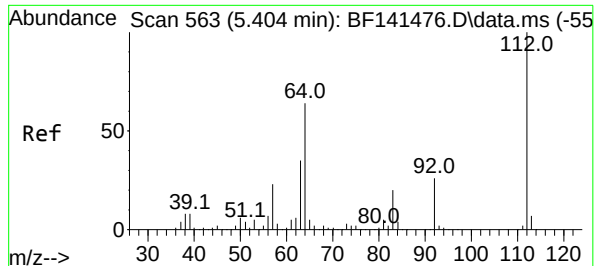
Tgt Ion: 79 Resp: 53532
Ion Ratio Lower Upper
79 100
52 92.7 73.7 110.5
51 48.5 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 9.564 ng
RT: 3.146 min Scan# 179
Delta R.T. -0.041 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

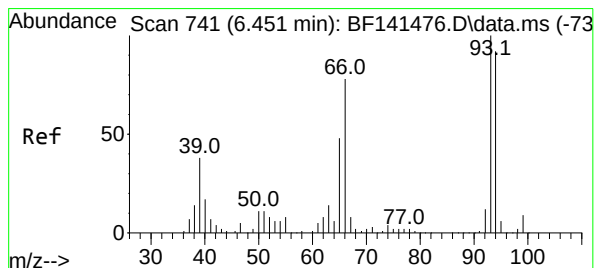
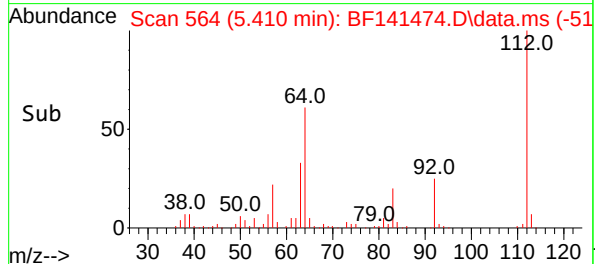
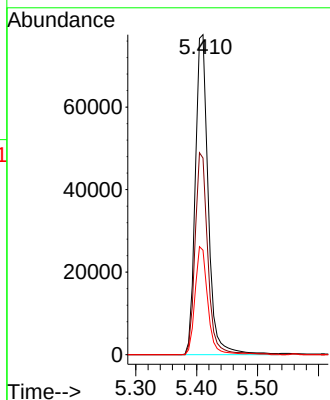
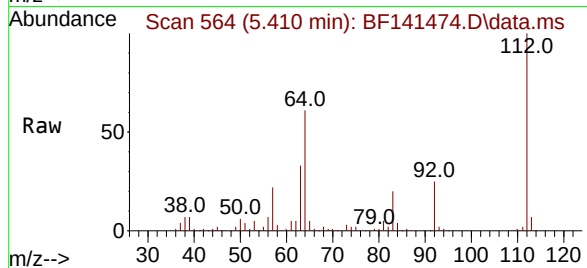
Tgt Ion: 42 Resp: 34386
Ion Ratio Lower Upper
42 100
74 94.6 78.0 117.0
44 8.3 5.4 8.2#





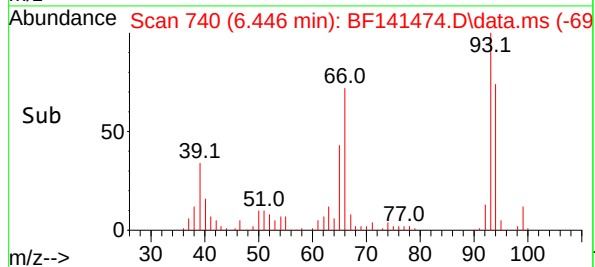
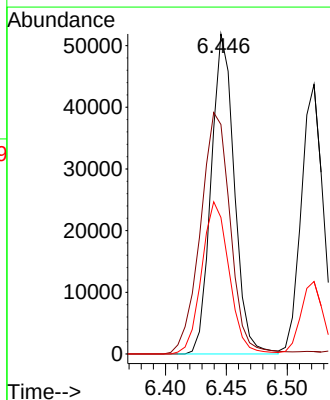
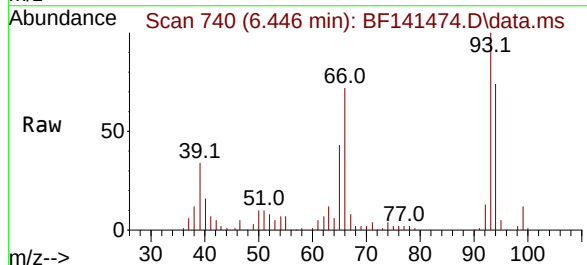
#5
2-Fluorophenol
Concen: 20.227 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

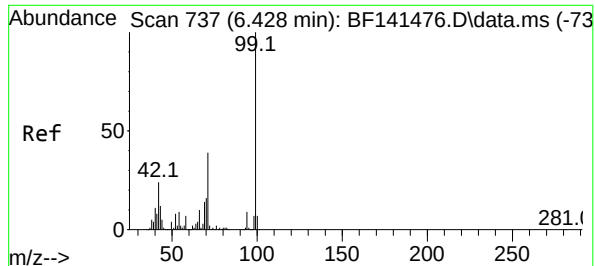
Tgt Ion: 112 Resp: 114669
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 32.6 28.4 42.6



#6
Aniline
Concen: 10.215 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

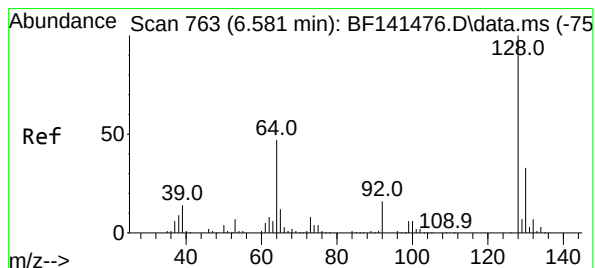
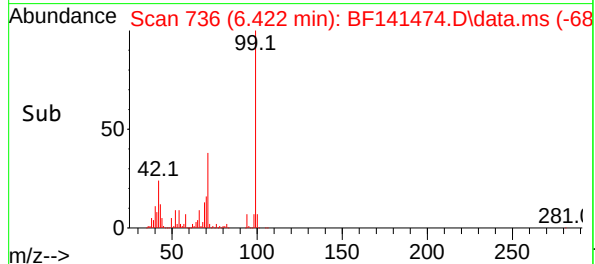
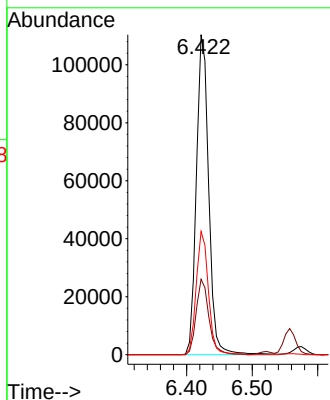
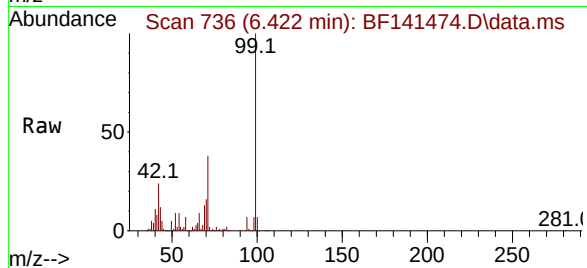
Tgt Ion: 93 Resp: 68661
Ion Ratio Lower Upper
93 100
66 71.7 62.6 94.0
65 42.7 38.3 57.5





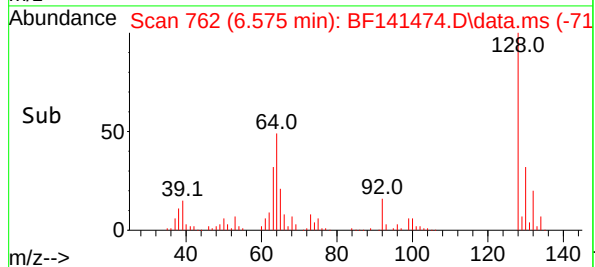
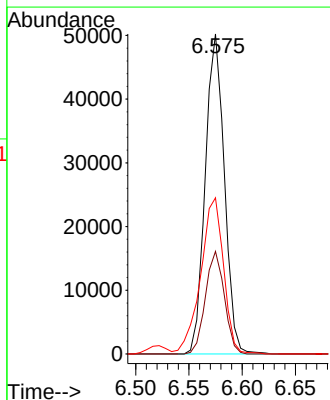
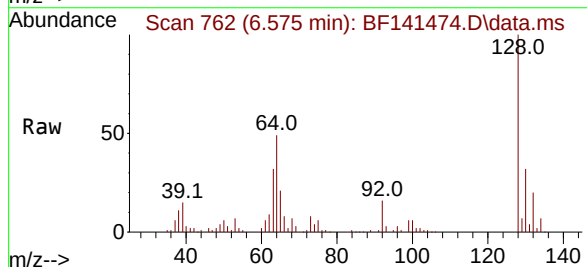
#7
Phenol-d6
Concen: 20.209 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

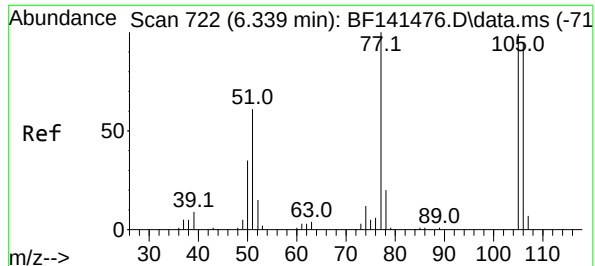
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.6	19.1	28.7
71	38.5	31.1	46.7



#8
2-Chlorophenol
Concen: 10.232 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.7	52.7
64	48.8	28.3	68.3





#9

Benzaldehyde

Concen: 11.585 ng

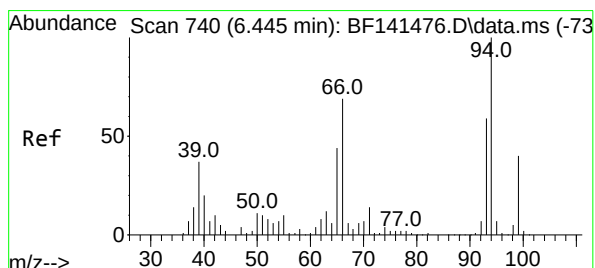
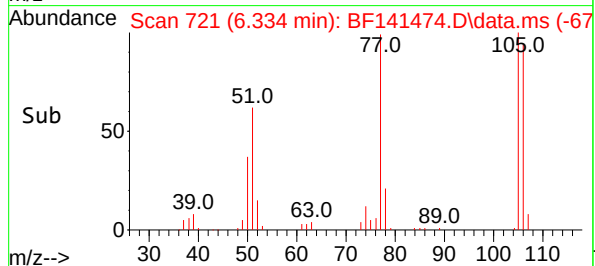
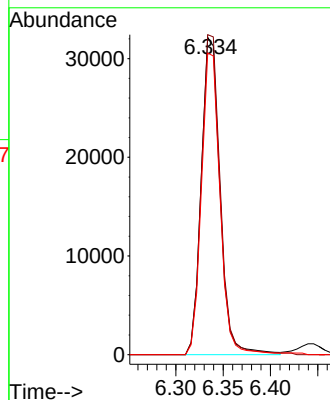
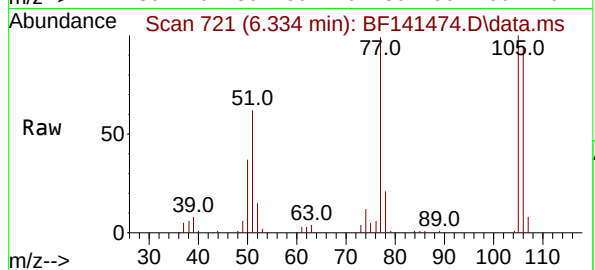
RT: 6.334 min Scan# 721

Delta R.T. -0.005 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:	77	Resp:	44111
Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	95.1	75.1	115.1



#10

Phenol

Concen: 10.015 ng

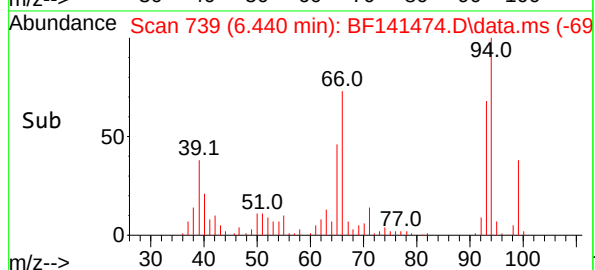
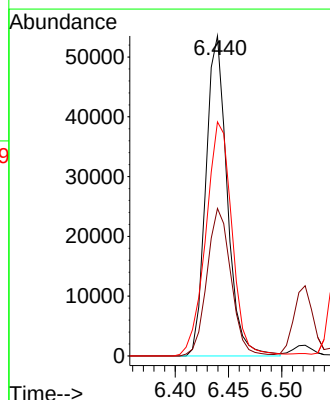
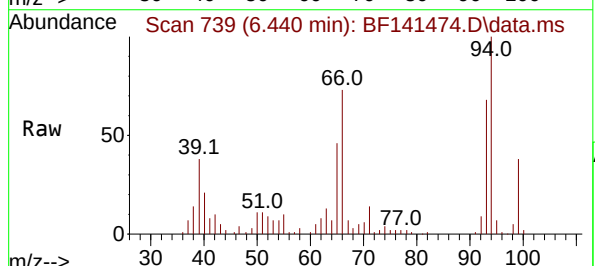
RT: 6.440 min Scan# 739

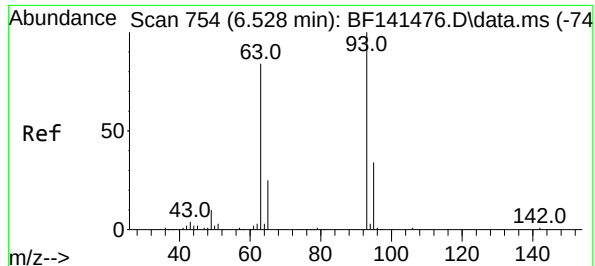
Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

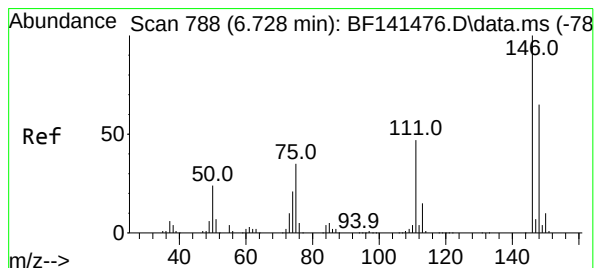
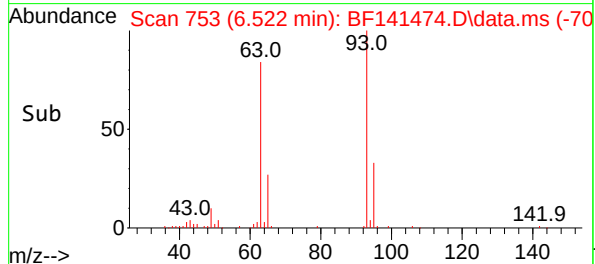
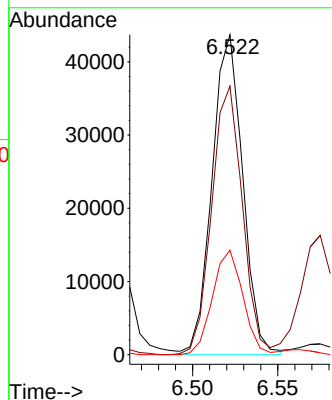
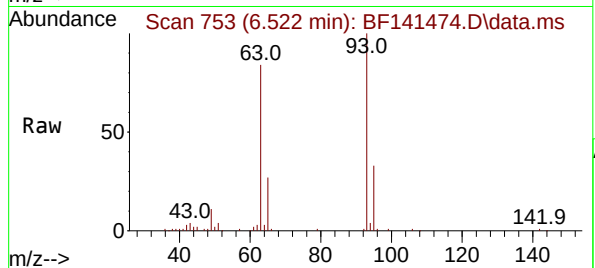
Tgt Ion:	94	Resp:	74689
Ion	Ratio	Lower	Upper
94	100		
65	46.1	23.7	63.7
66	73.1	49.3	89.3





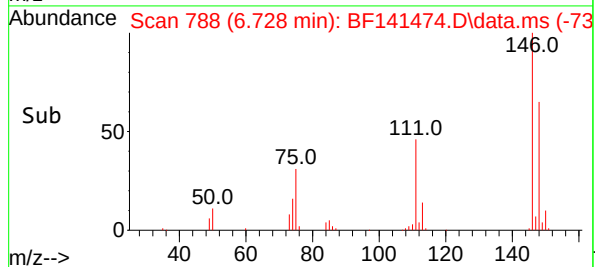
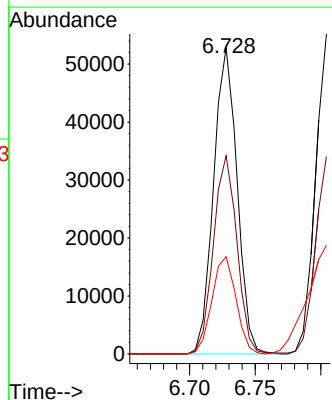
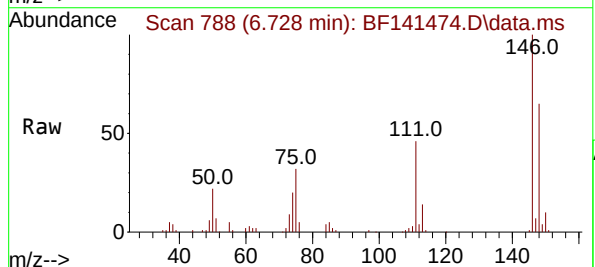
#11
bis(2-Chloroethyl)ether
Concen: 9.752 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

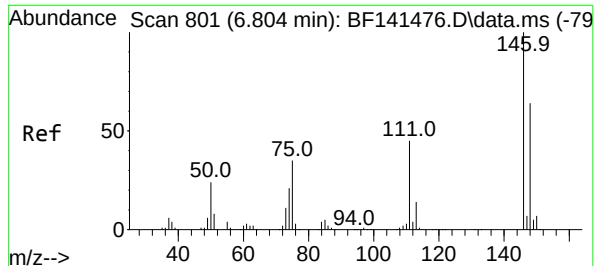
Tgt Ion: 93 Resp: 54627
Ion Ratio Lower Upper
93 100
63 83.9 62.0 102.0
95 32.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 10.182 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 146 Resp: 65850
Ion Ratio Lower Upper
146 100
148 64.8 51.9 77.9
75 31.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 10.341 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

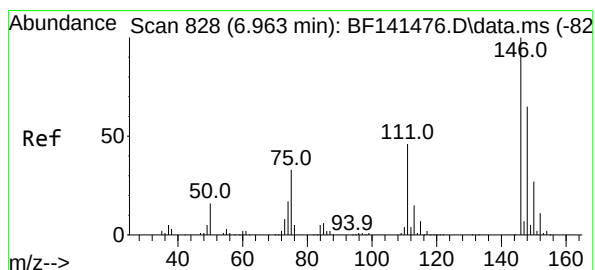
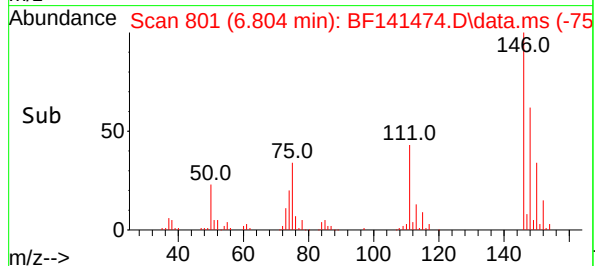
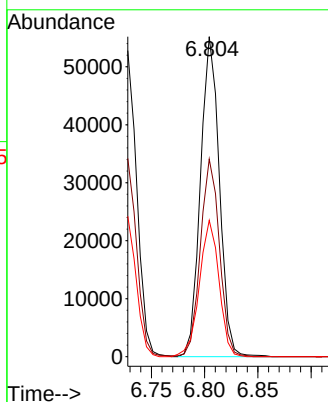
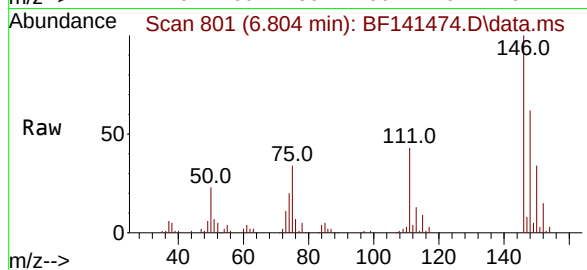
Tgt Ion:146 Resp: 68330

Ion Ratio Lower Upper

146 100

148 61.7 50.9 76.3

111 42.6 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 10.428 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

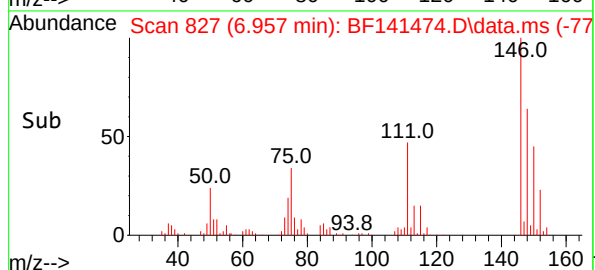
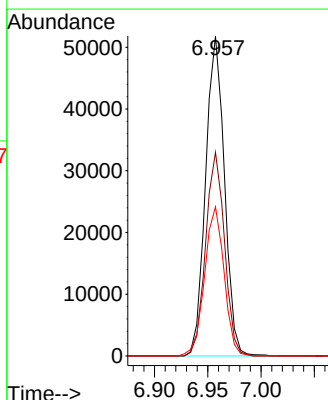
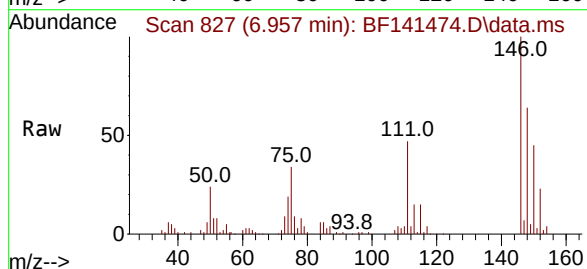
Tgt Ion:146 Resp: 63948

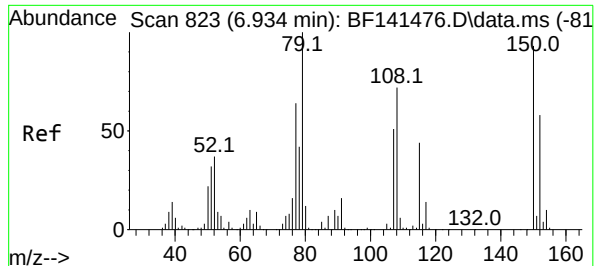
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

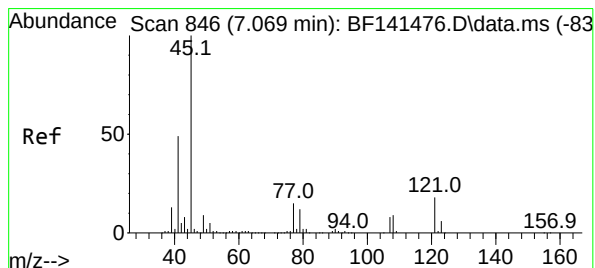
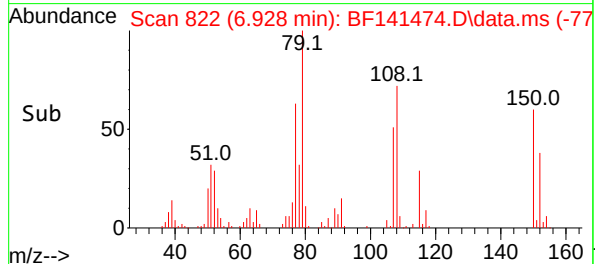
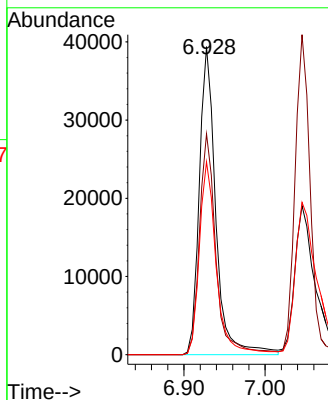
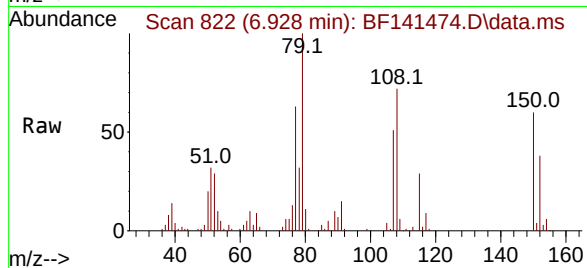
111 46.6 37.0 55.4





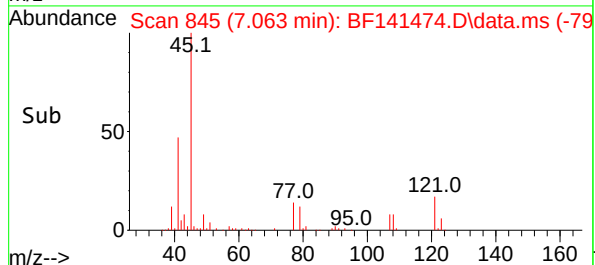
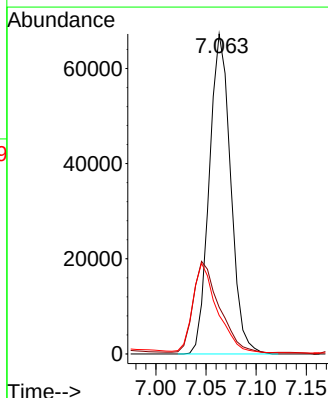
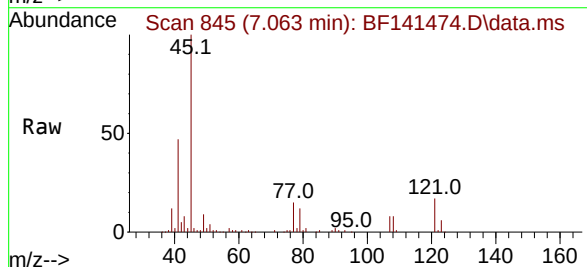
#15
Benzyl Alcohol
Concen: 10.115 ng
RT: 6.928 min Scan# 822
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

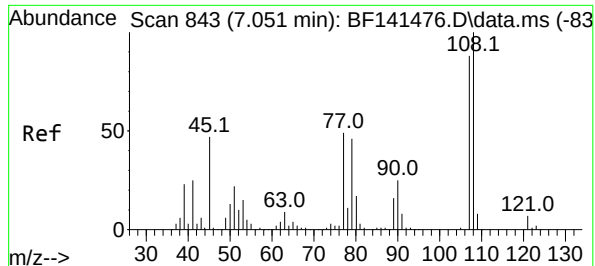
Tgt Ion: 79 Resp: 55580
Ion Ratio Lower Upper
79 100
108 71.7 57.4 86.2
77 62.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.406 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

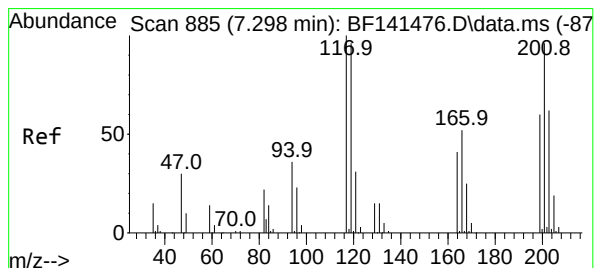
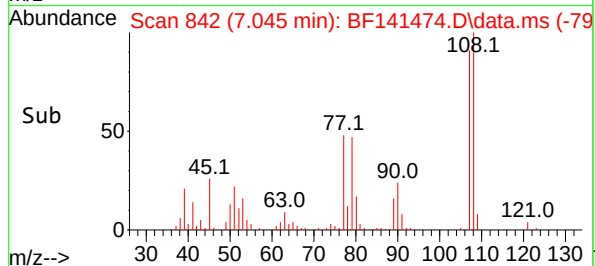
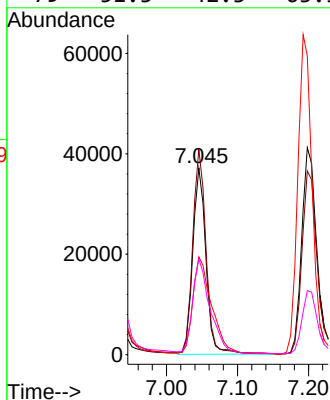
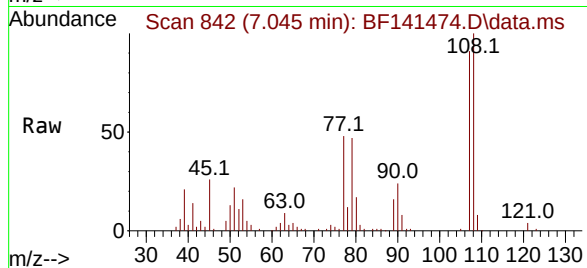
Tgt Ion: 45 Resp: 99782
Ion Ratio Lower Upper
45 100
77 14.6 0.0 35.8
79 12.1 0.0 32.7





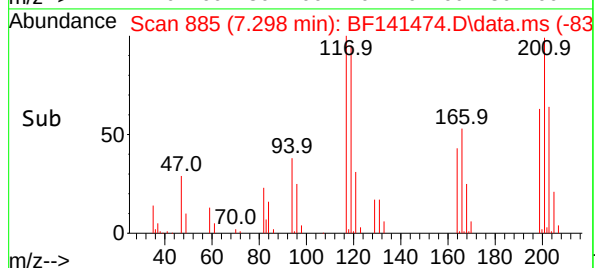
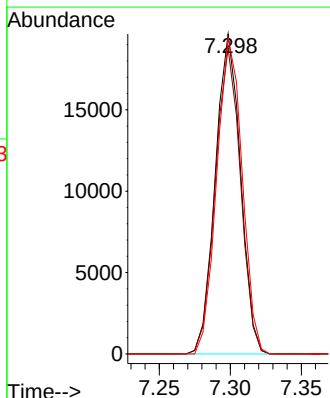
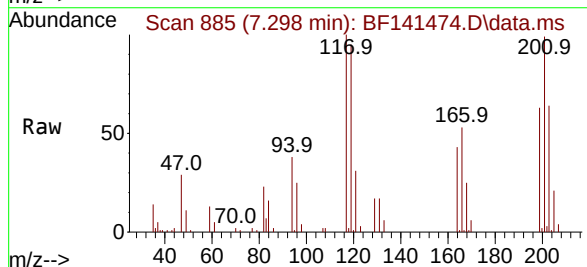
#17
2-Methylphenol
Concen: 10.092 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

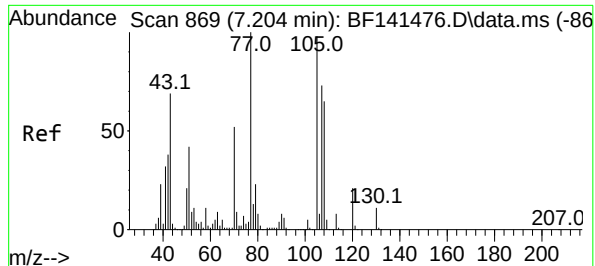
Tgt Ion:	107	Resp:	48375
Ion	Ratio	Lower	Upper
107	100		
108	110.1	90.6	136.0
77	52.4	44.4	66.6
79	51.3	42.3	63.5



#18
Hexachloroethane
Concen: 9.910 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:	117	Resp:	24233
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.5	114.7
201	98.8	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 10.210 ng

RT: 7.192 min Scan# 867

Delta R.T. -0.023 min

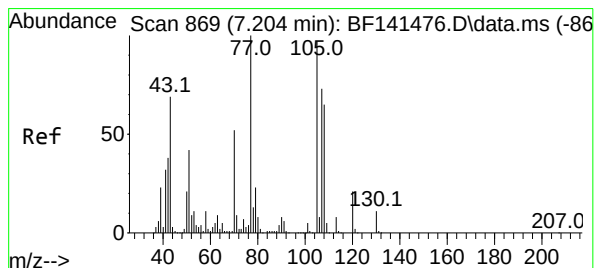
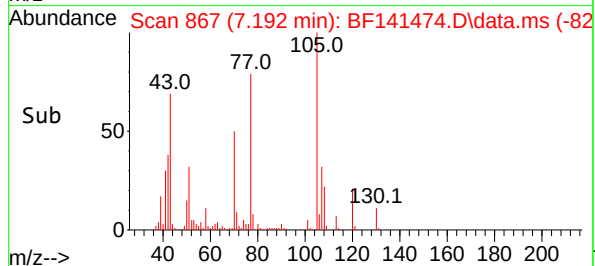
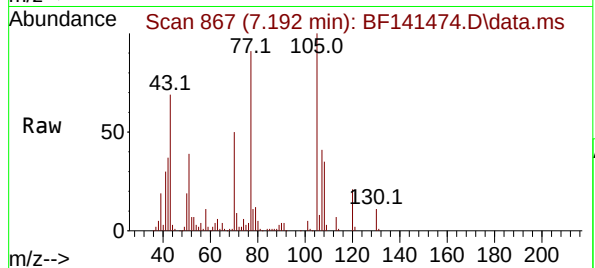
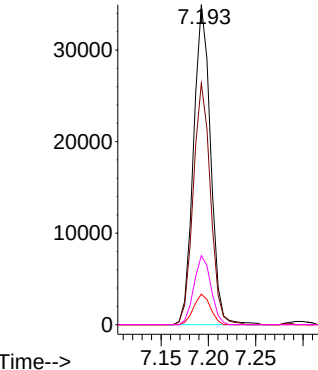
Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion: 70 Resp: 43762

Ion	Ratio	Lower	Upper
70	100		
42	75.4	57.4	86.2
101	9.5	8.0	12.0
130	21.5	16.9	25.3

Abundance



#20

3+4-Methylphenols

Concen: 10.332 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.017 min

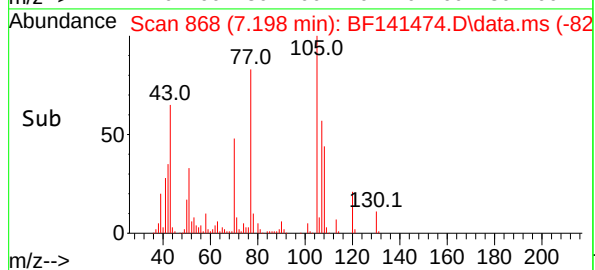
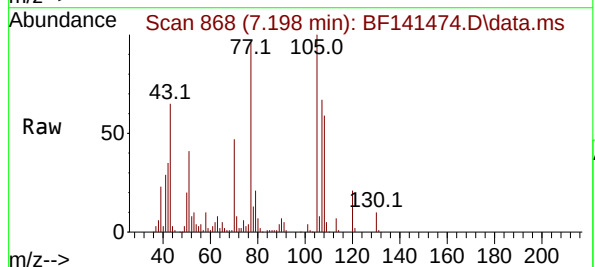
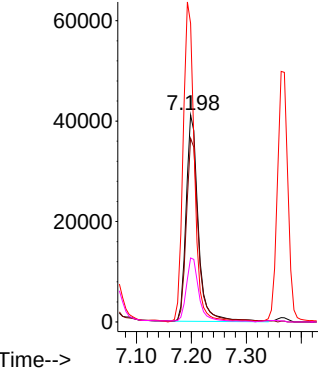
Lab File: BF141474.D

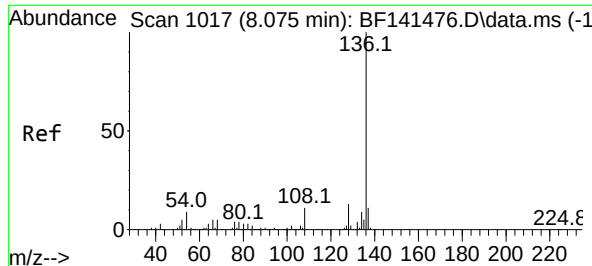
Acq: 06 Feb 2025 12:00

Tgt Ion: 107 Resp: 62949

Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.5	108.5
77	144.2	116.5	156.5
79	30.9	12.0	52.0

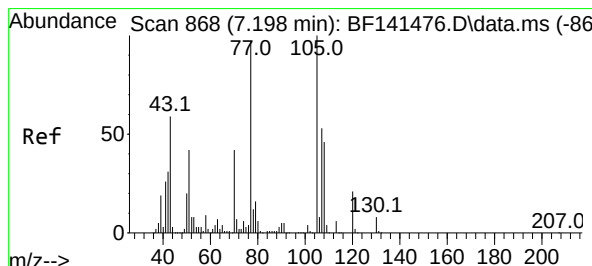
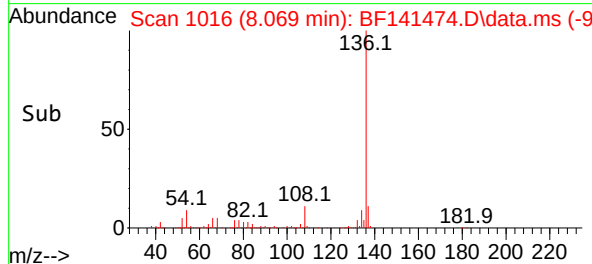
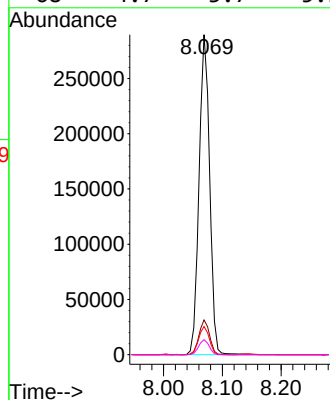
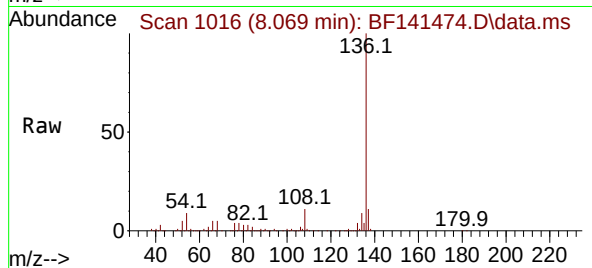
Abundance





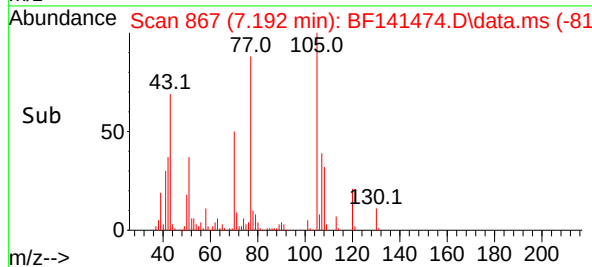
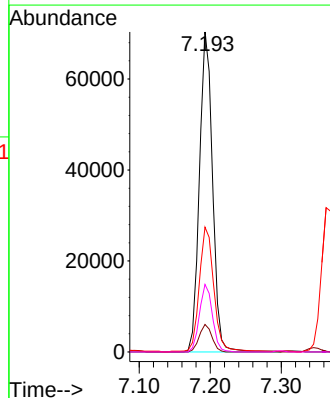
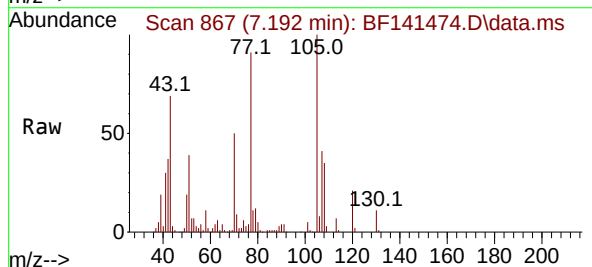
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

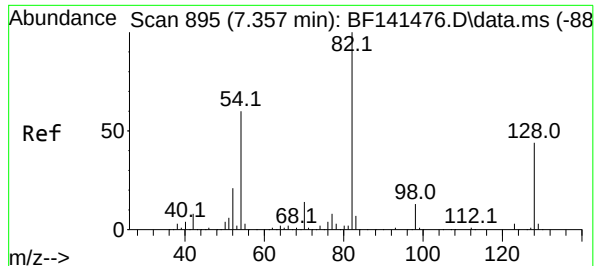
Tgt Ion:136	Resp: 361197
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 8.8	7.2 10.8
68 4.7	3.7 5.5



#22
Acetophenone
Concen: 10.085 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:105	Resp: 90614
Ion Ratio	Lower Upper
105 100	
71 8.6	5.7 8.5#
51 39.0	33.7 50.5
120 21.1	17.0 25.6





#23

Nitrobenzene-d5

Concen: 19.783 ng

RT: 7.345 min Scan# 893

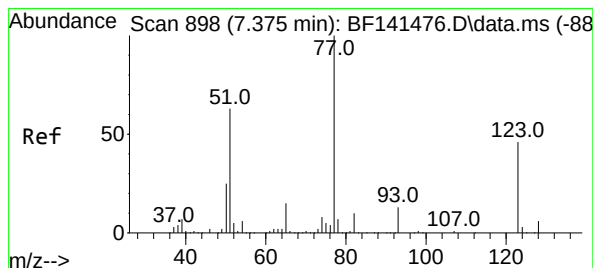
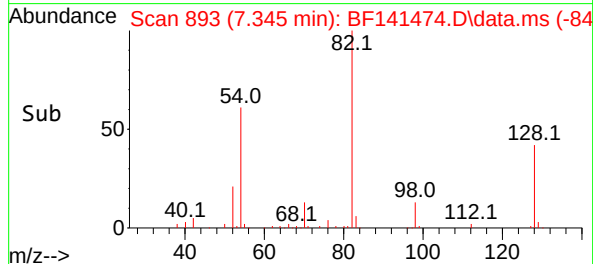
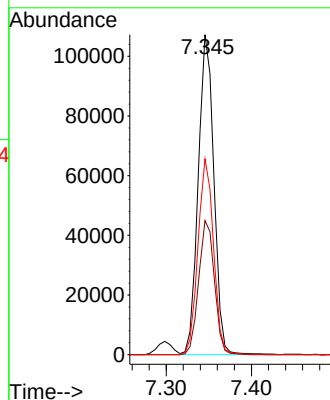
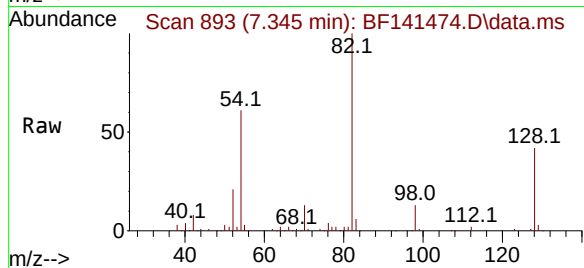
Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 136996

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.8	52.2
54	61.2	48.2	72.4



#24

Nitrobenzene

Concen: 9.927 ng

RT: 7.363 min Scan# 896

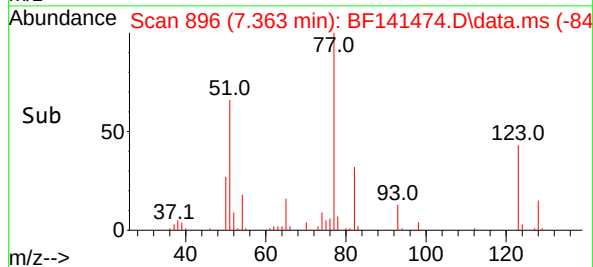
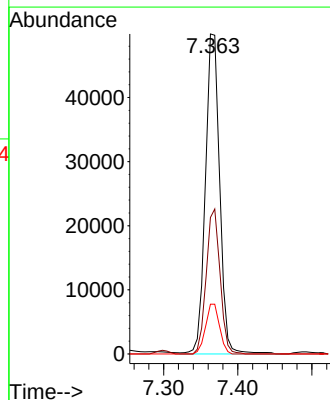
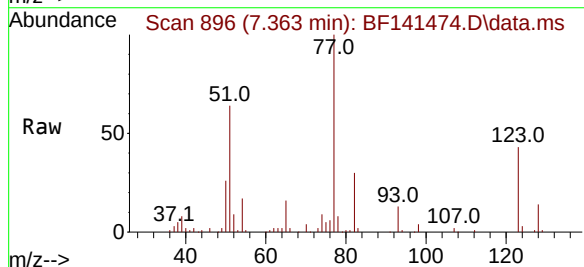
Delta R.T. -0.017 min

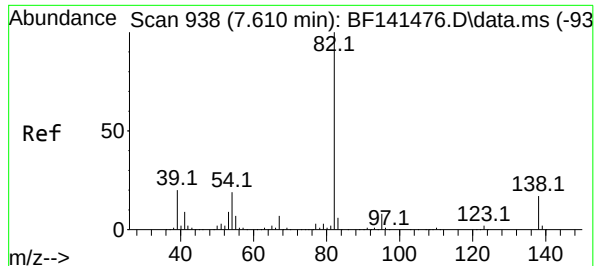
Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion: 77 Resp: 67032

Ion	Ratio	Lower	Upper
77	100		
123	42.7	36.9	55.3
65	15.5	11.9	17.9





#25

Isophorone

Concen: 9.712 ng

RT: 7.604 min Scan# 937

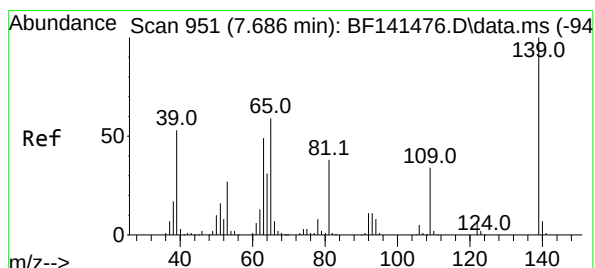
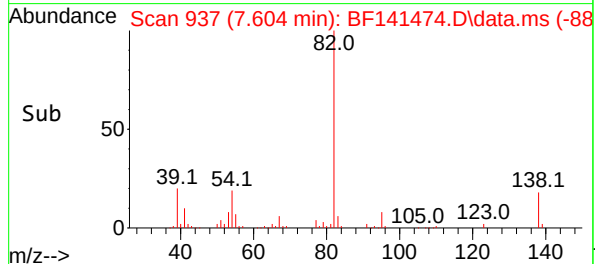
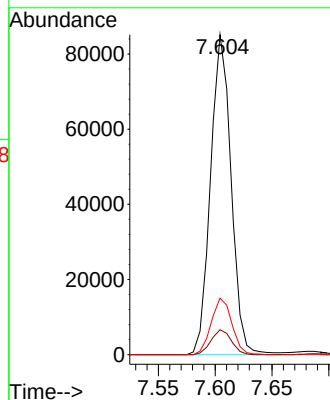
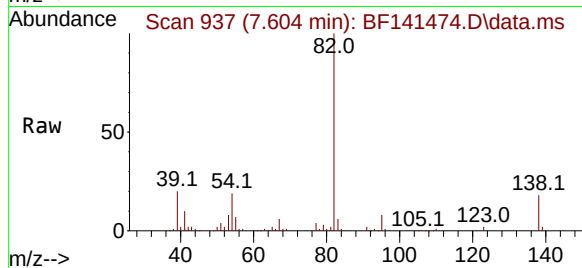
Delta R.T. -0.017 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion: 82 Resp: 107242

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.7	13.9	20.9



#26

2-Nitrophenol

Concen: 9.403 ng

RT: 7.687 min Scan# 951

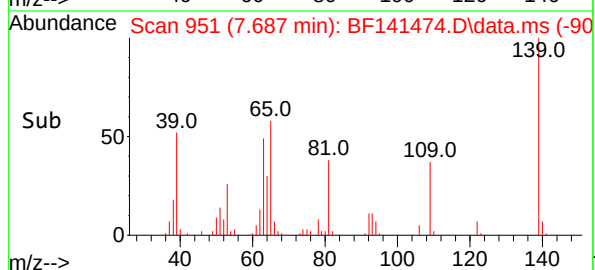
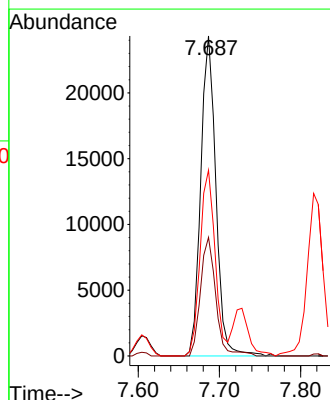
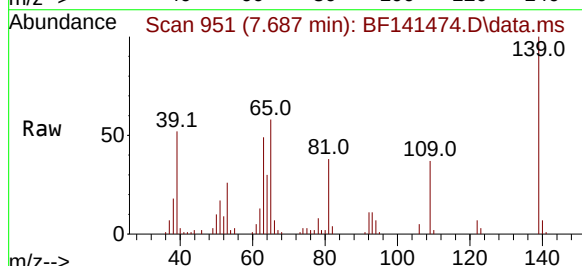
Delta R.T. -0.006 min

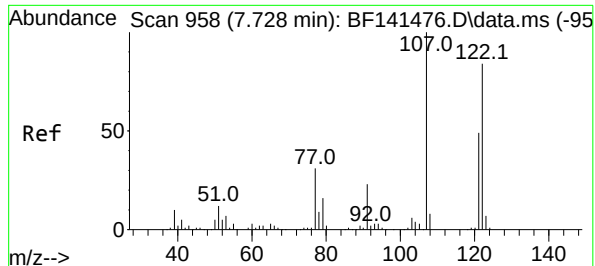
Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion: 139 Resp: 31590

Ion	Ratio	Lower	Upper
139	100		
109	37.1	27.0	40.6
65	58.1	47.1	70.7





#27

2,4-Dimethylphenol

Concen: 9.759 ng

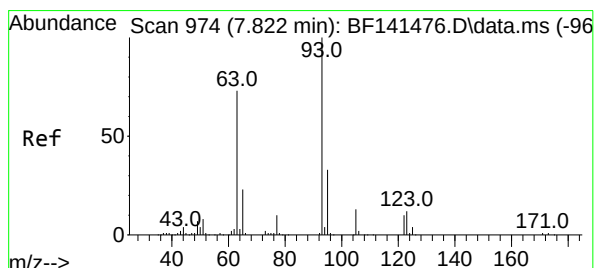
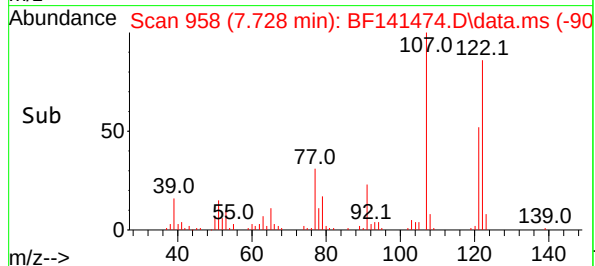
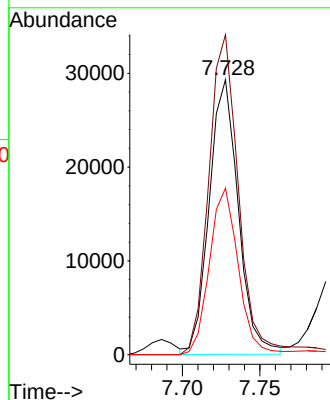
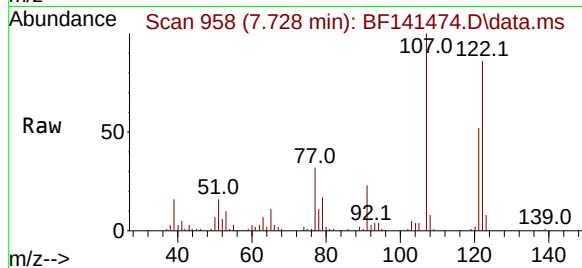
RT: 7.728 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:	122	Resp:	38303
Ion	Ratio	Lower	Upper
122	100		
107	116.3	94.3	141.5
121	60.5	46.0	69.0



#28

bis(2-Chloroethoxy)methane

Concen: 9.958 ng

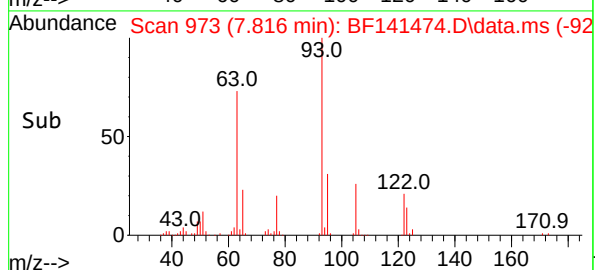
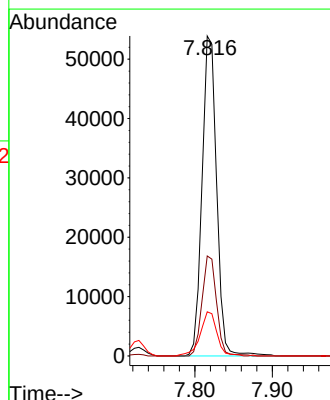
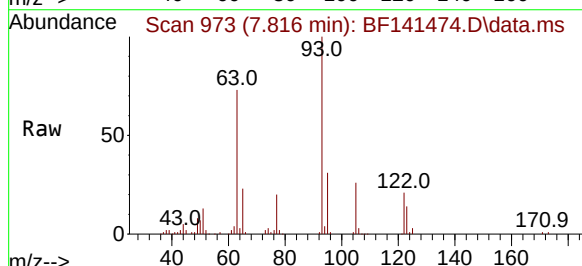
RT: 7.816 min Scan# 973

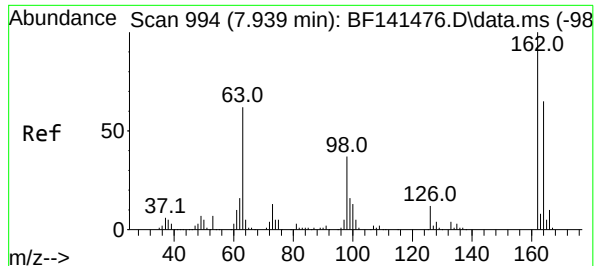
Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:	93	Resp:	70458
Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.1	39.1
123	13.8	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 9.784 ng

RT: 7.934 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

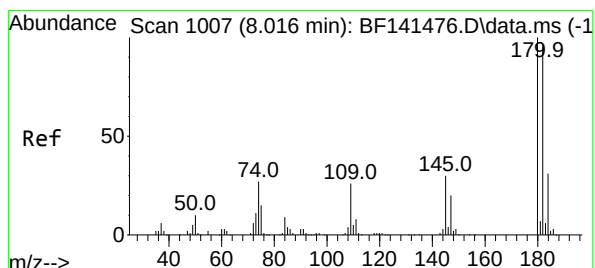
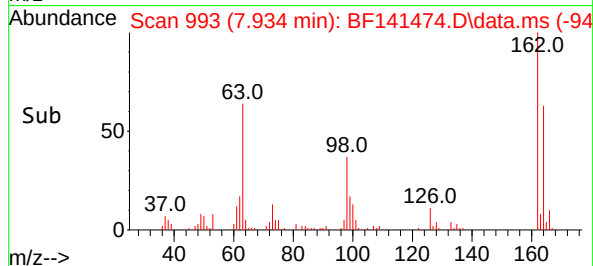
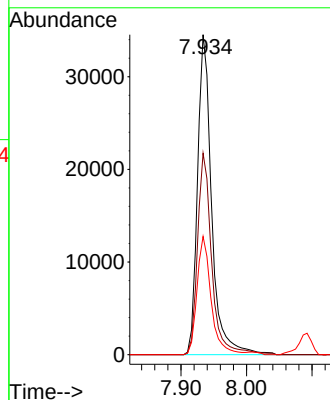
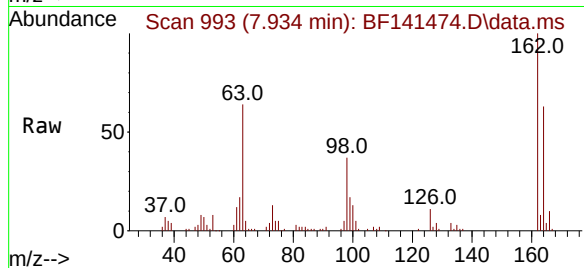
Tgt Ion:162 Resp: 51883

Ion Ratio Lower Upper

162 100

164 63.0 44.6 84.6

98 36.9 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 10.033 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

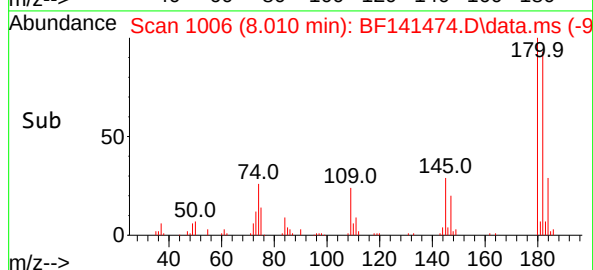
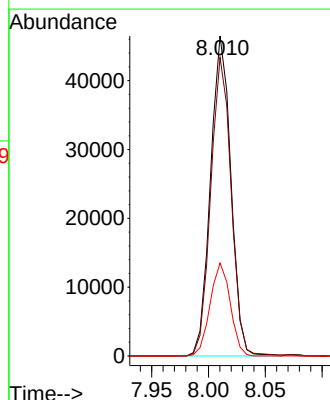
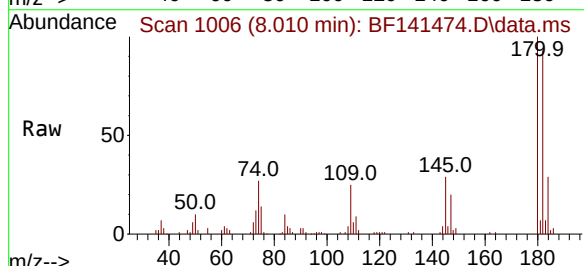
Tgt Ion:180 Resp: 57937

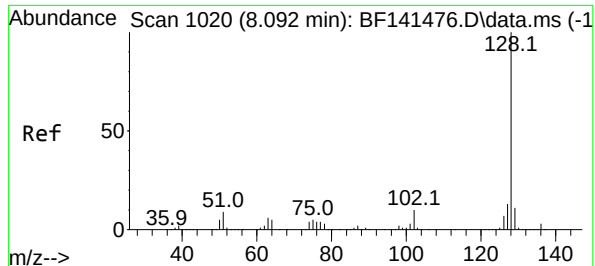
Ion Ratio Lower Upper

180 100

182 93.3 76.8 115.2

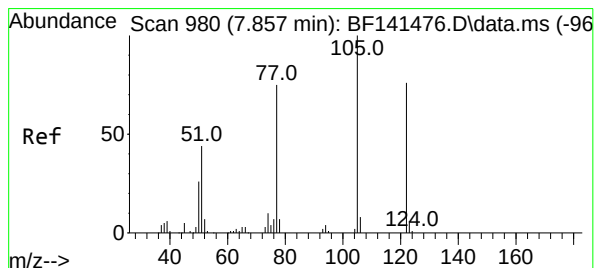
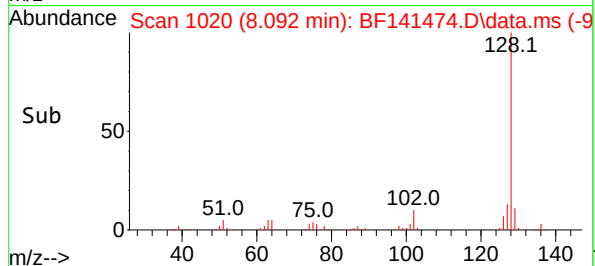
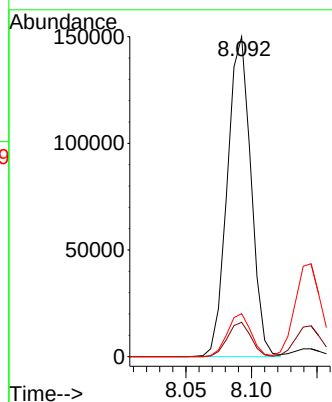
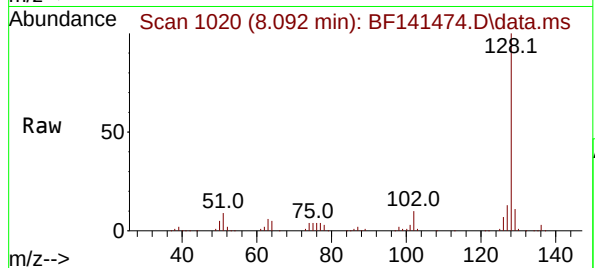
145 29.1 24.2 36.4





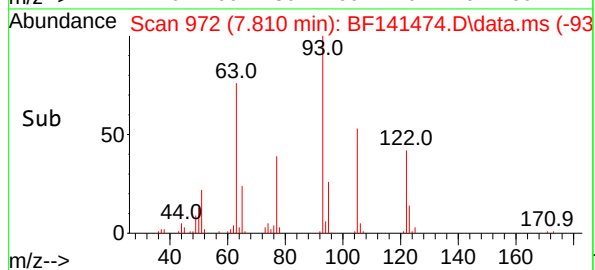
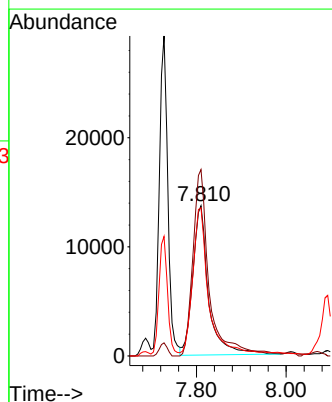
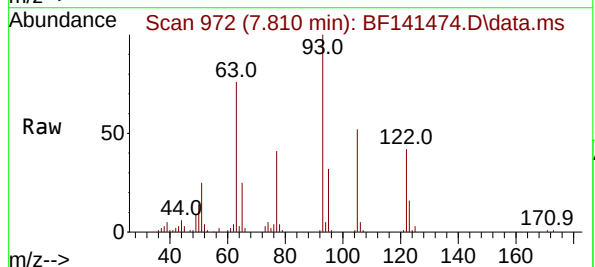
#31
Naphthalene
Concen: 10.002 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

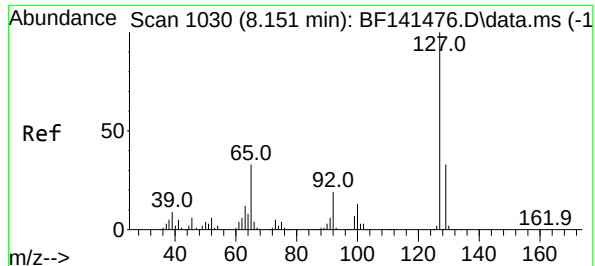
Tgt Ion:128 Resp: 188046
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.5 10.7 16.1



#32
Benzoic acid
Concen: 8.253 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.082 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

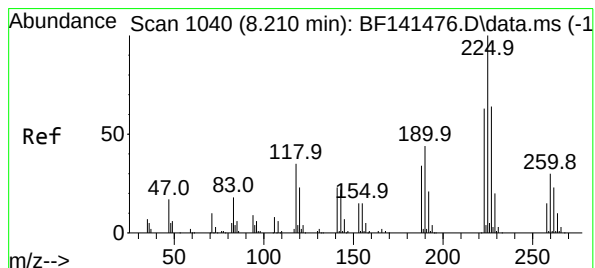
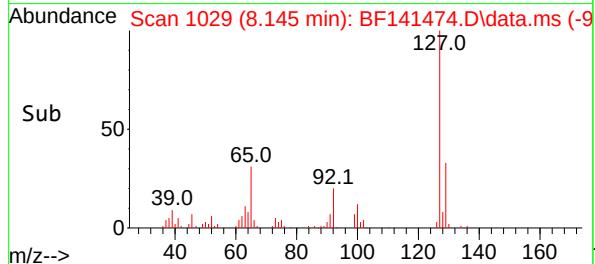
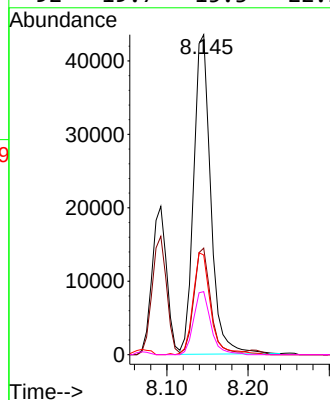
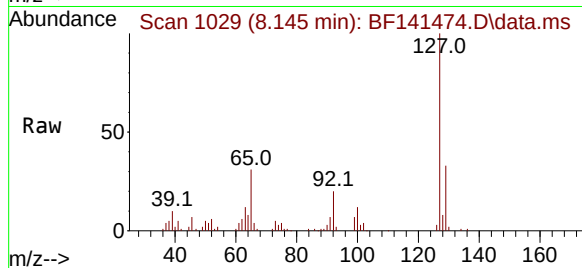
Tgt Ion:122 Resp: 33645
Ion Ratio Lower Upper
122 100
105 124.1 106.5 146.5
77 98.6 76.3 116.3





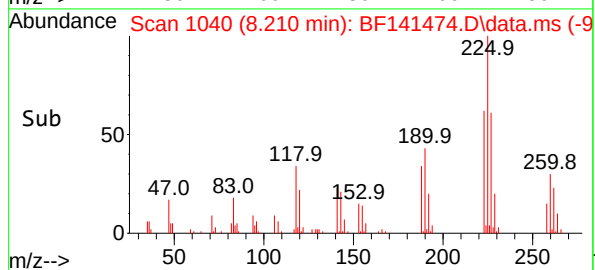
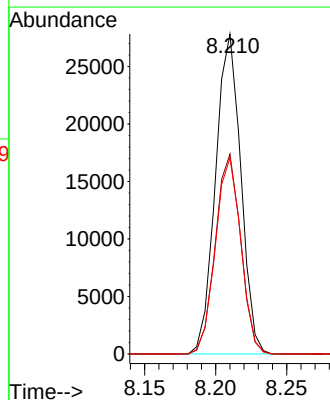
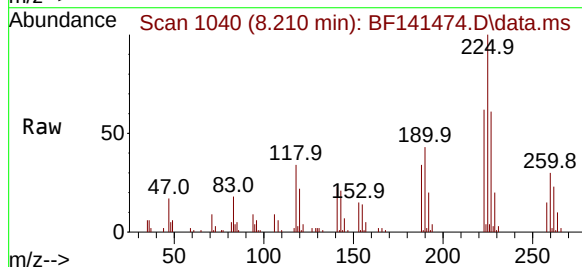
#33
4-Chloroaniline
Concen: 9.678 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

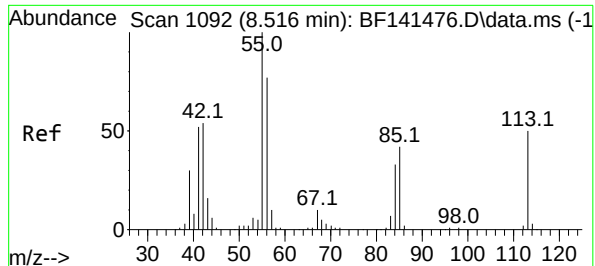
Tgt Ion:	127	Resp:	63529
Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.5	39.7
65	31.2	26.4	39.6
92	19.7	15.3	22.9



#34
Hexachlorobutadiene
Concen: 9.932 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:	225	Resp:	34431
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.1	75.1
227	61.3	51.0	76.6





#35

Caprolactam

Concen: 9.495 ng

RT: 8.481 min Scan# 1086

Delta R.T. -0.065 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

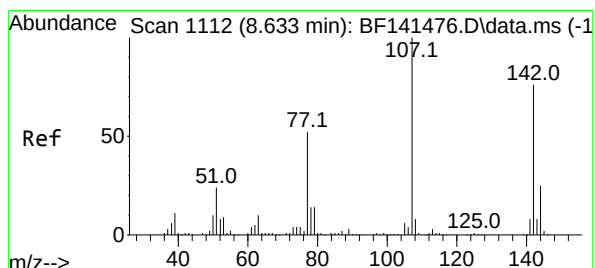
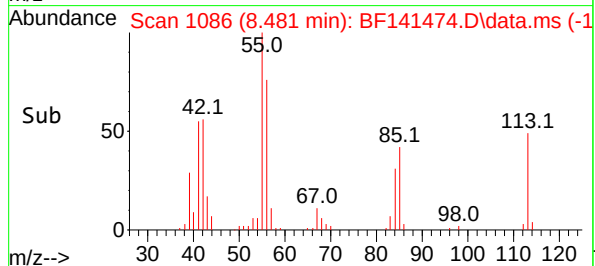
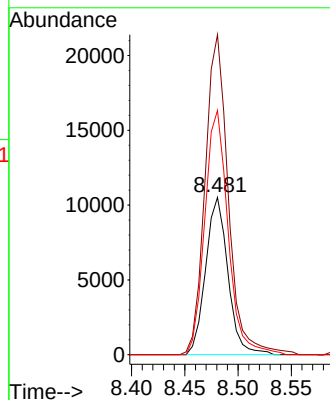
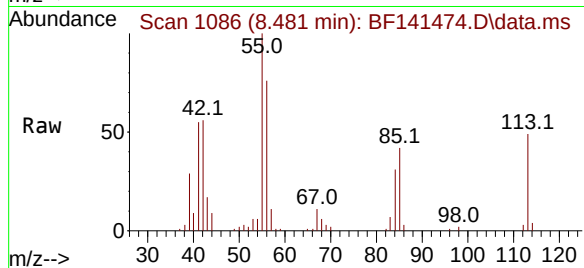
Tgt Ion:113 Resp: 15331

Ion Ratio Lower Upper

113 100

55 203.4 180.8 220.8

56 155.4 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 9.949 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

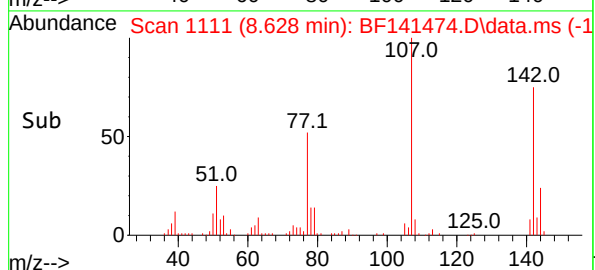
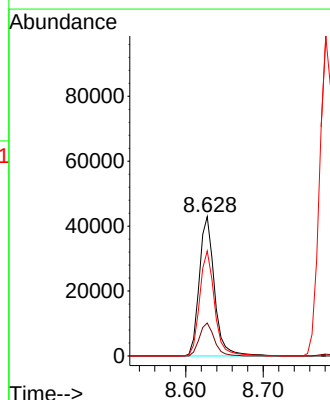
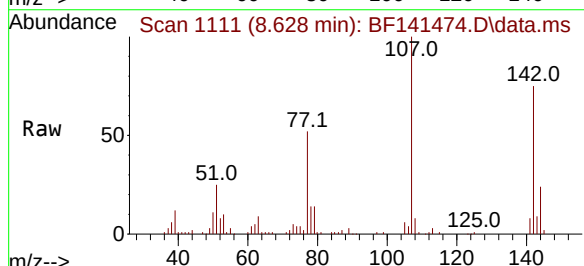
Tgt Ion:107 Resp: 58441

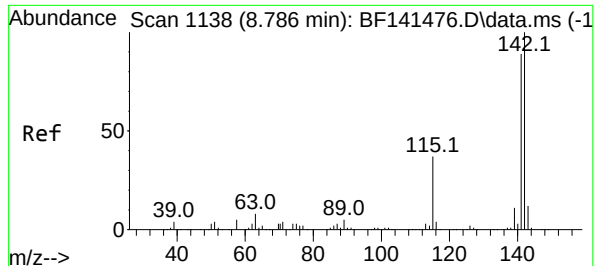
Ion Ratio Lower Upper

107 100

144 23.7 19.7 29.5

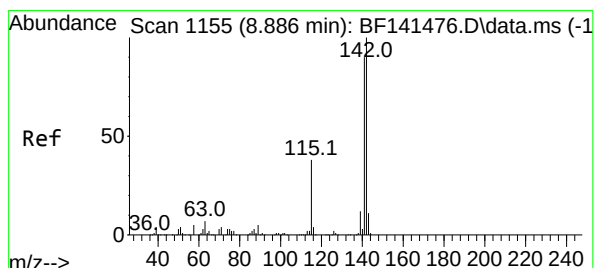
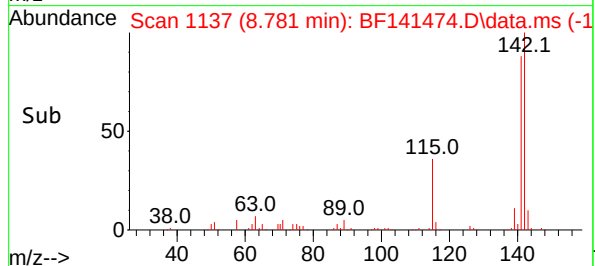
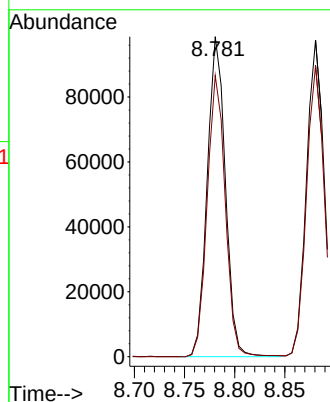
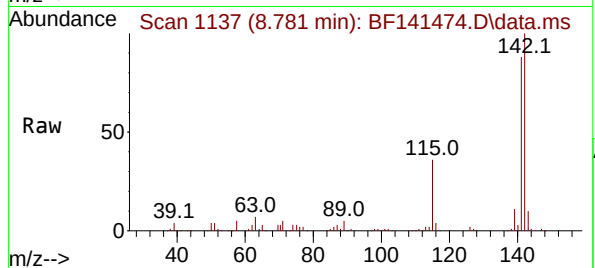
142 75.3 60.8 91.2





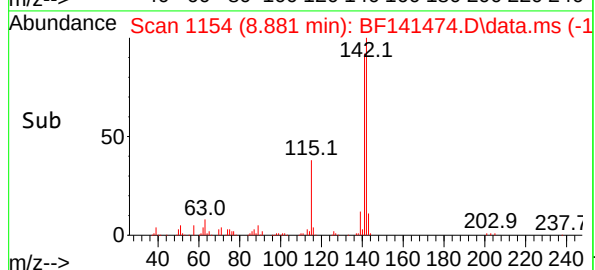
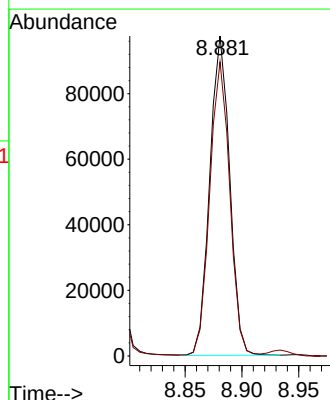
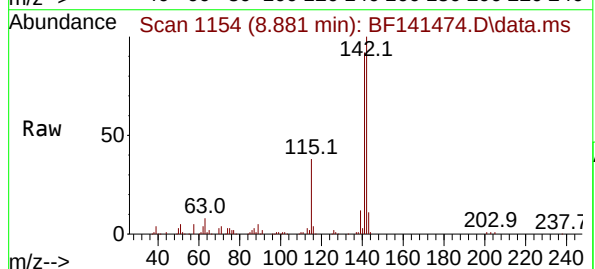
#37
2-Methylnaphthalene
Concen: 10.177 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

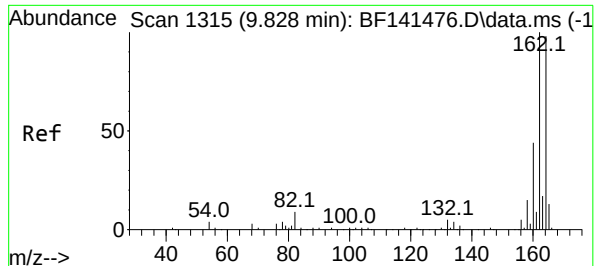
Tgt Ion:142 Resp: 124517
Ion Ratio Lower Upper
142 100
141 87.9 71.2 106.8



#38
1-Methylnaphthalene
Concen: 10.019 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:142 Resp: 118722
Ion Ratio Lower Upper
142 100
141 92.0 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

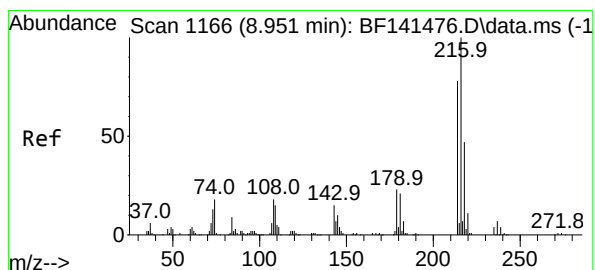
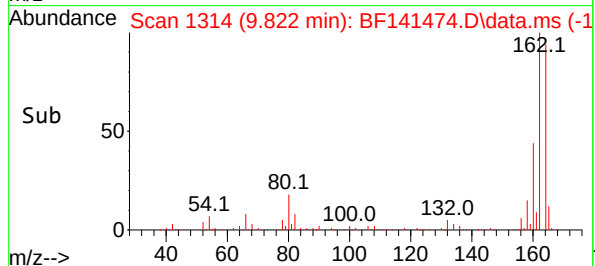
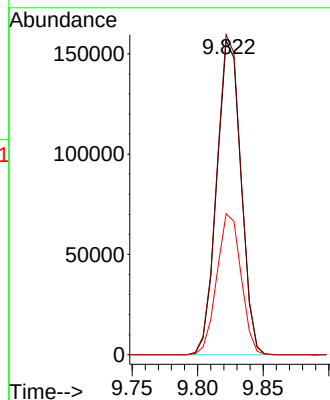
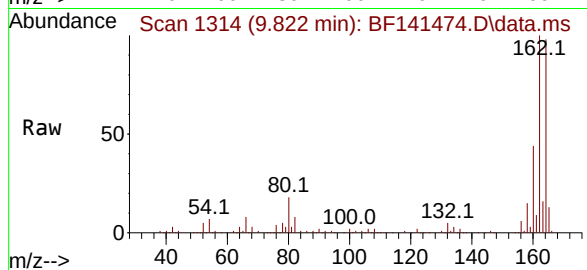
Tgt Ion:164 Resp: 200046

Ion Ratio Lower Upper

164 100

162 101.9 81.3 121.9

160 44.9 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.160 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:216 Resp: 58800

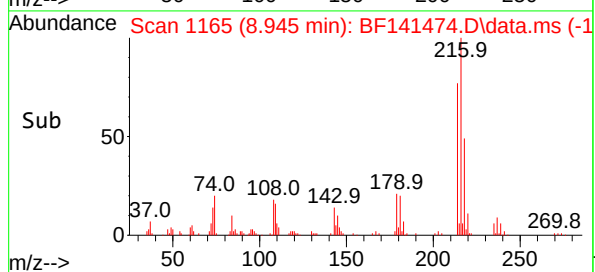
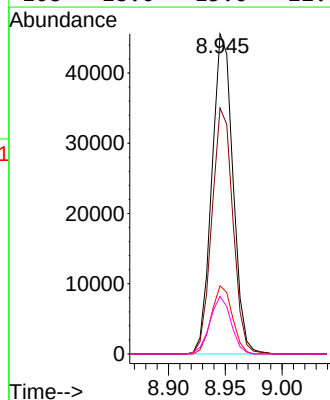
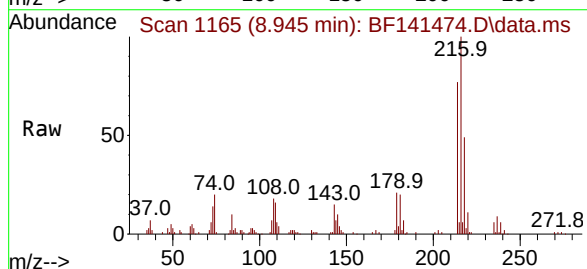
Ion Ratio Lower Upper

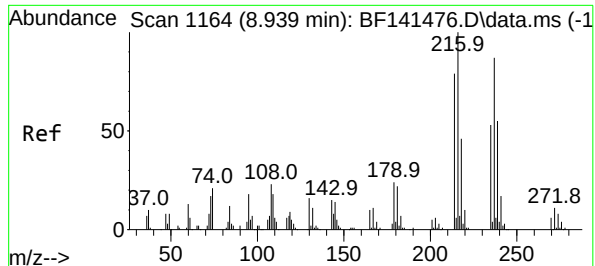
216 100

214 76.5 62.3 93.5

179 21.1 18.0 27.0

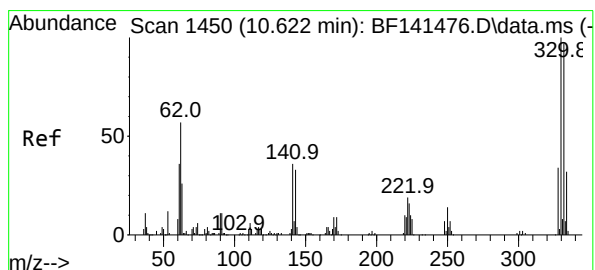
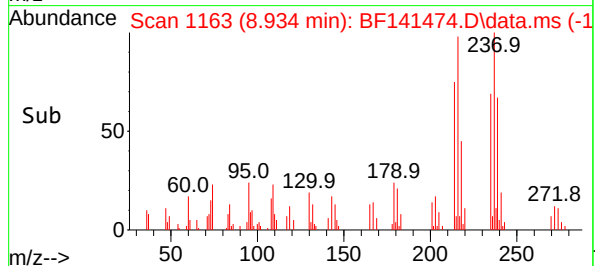
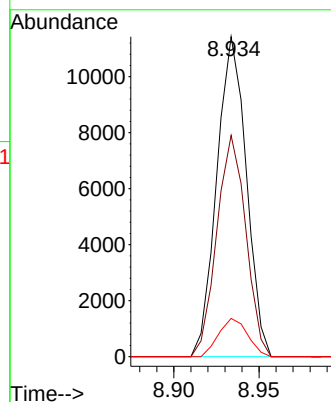
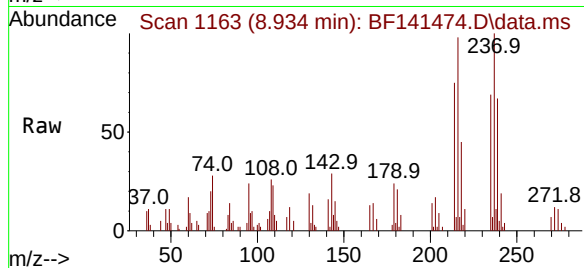
108 18.0 15.0 22.6





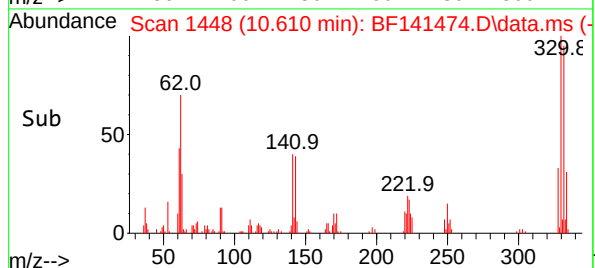
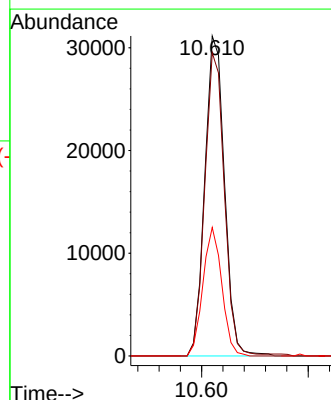
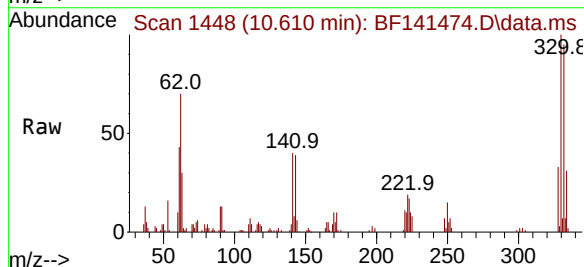
#41
Hexachlorocyclopentadiene
Concen: 7.161 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

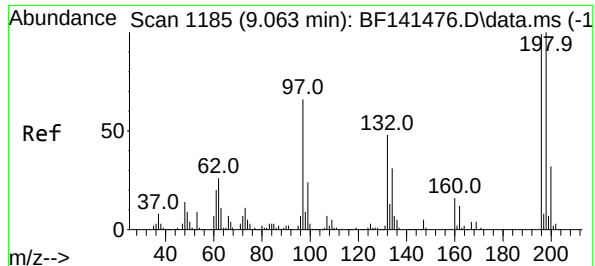
Tgt Ion: 237 Resp: 13785
Ion Ratio Lower Upper
237 100
235 69.2 41.4 81.4
272 11.9 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 19.941 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

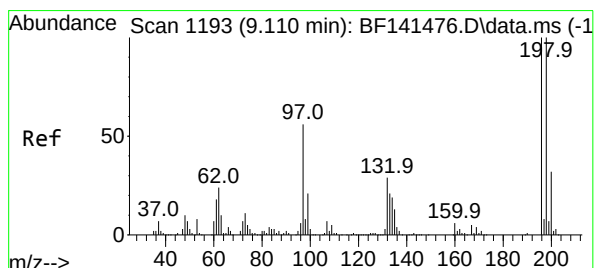
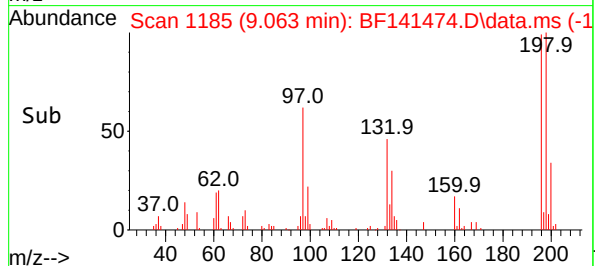
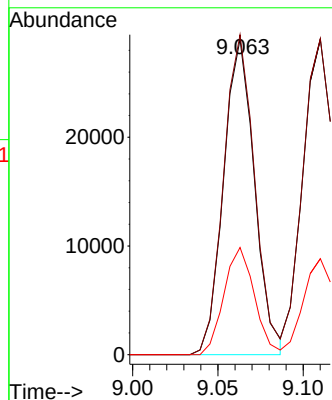
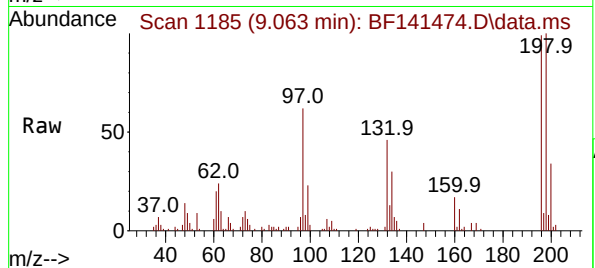
Tgt Ion: 330 Resp: 40073
Ion Ratio Lower Upper
330 100
332 94.1 78.5 117.7
141 38.6 31.0 46.4





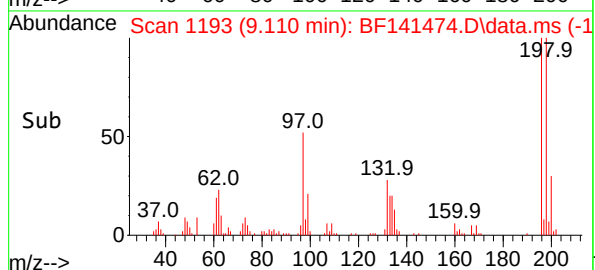
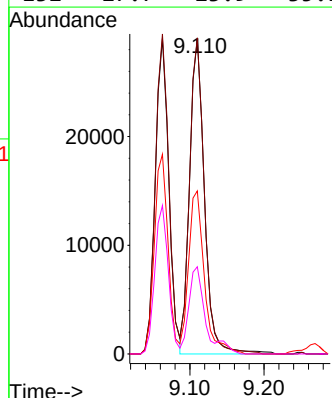
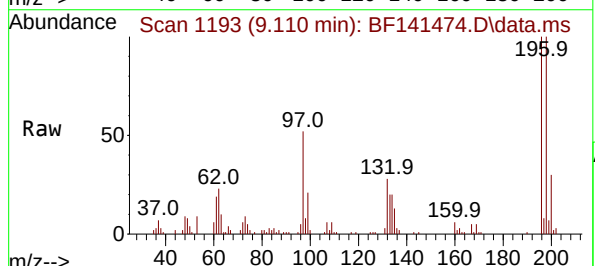
#43
2,4,6-Trichlorophenol
Concen: 9.773 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

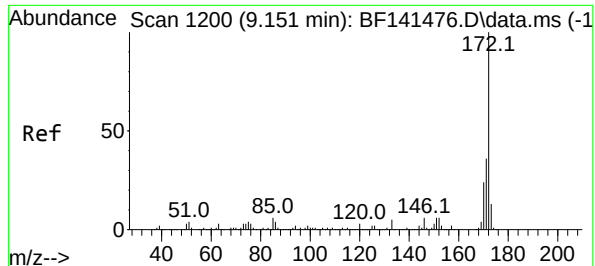
Tgt Ion:196 Resp: 36558
Ion Ratio Lower Upper
196 100
198 101.5 80.6 121.0
200 34.0 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 10.039 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

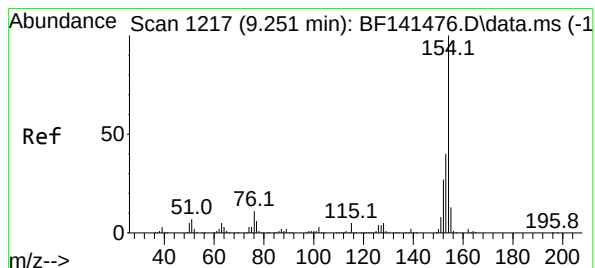
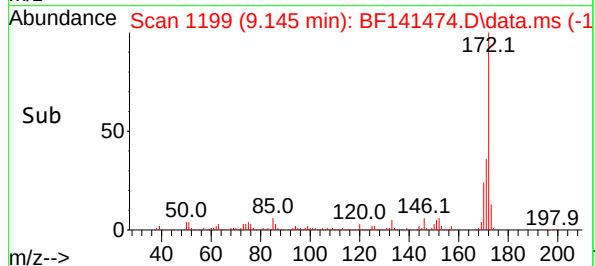
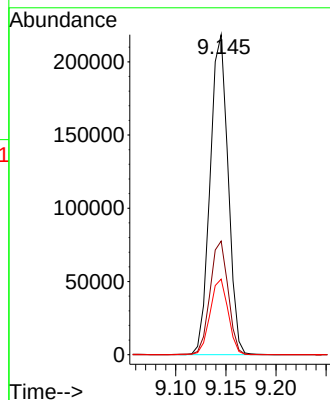
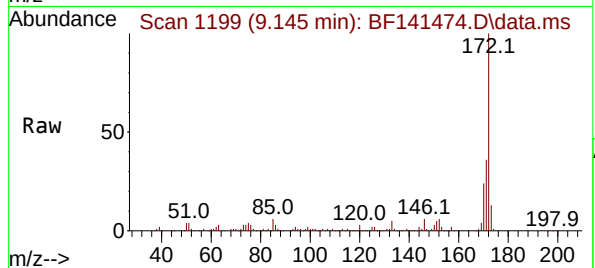
Tgt Ion:196 Resp: 40697
Ion Ratio Lower Upper
196 100
198 100.3 79.8 119.8
97 51.7 44.8 67.2
132 27.7 23.9 35.9





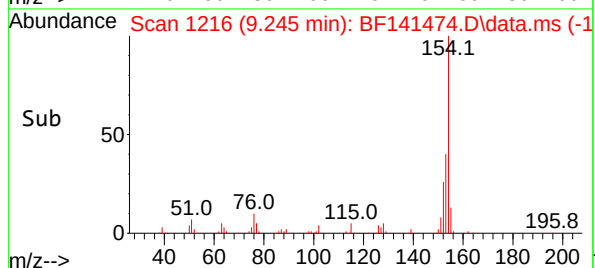
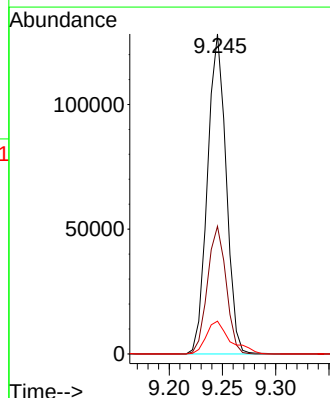
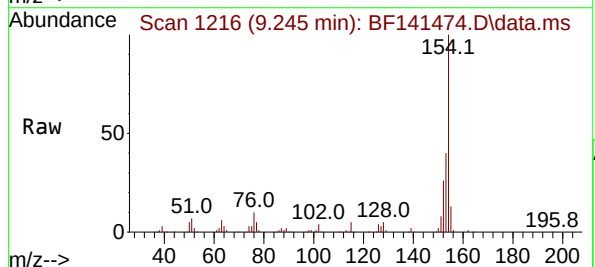
#45
2-Fluorobiphenyl
Concen: 20.947 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

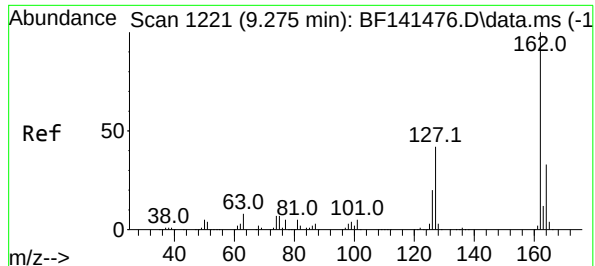
Tgt Ion:172 Resp: 271988
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.6 18.9 28.3



#46
1,1'-Biphenyl
Concen: 10.086 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

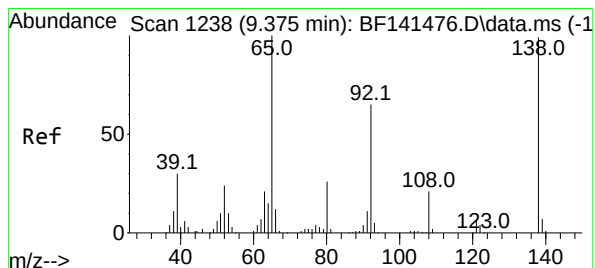
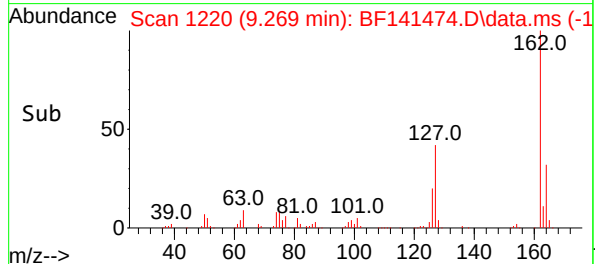
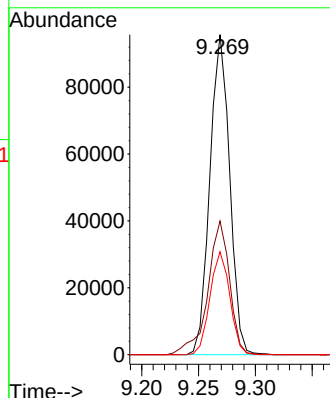
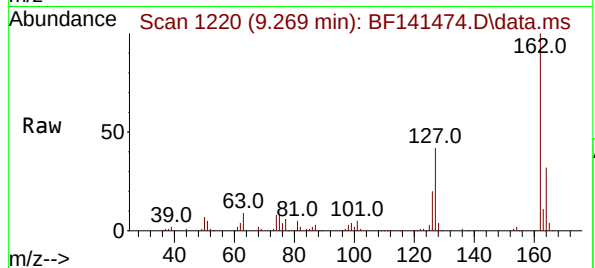
Tgt Ion:154 Resp: 156431
Ion Ratio Lower Upper
154 100
153 39.9 20.4 60.4
76 10.3 0.0 30.8





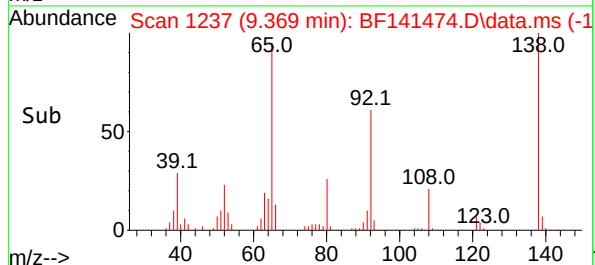
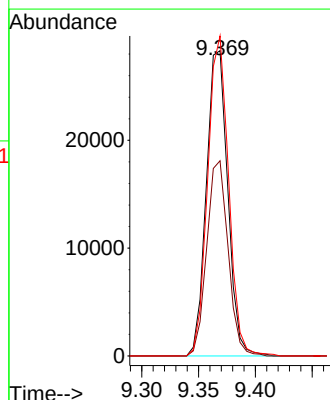
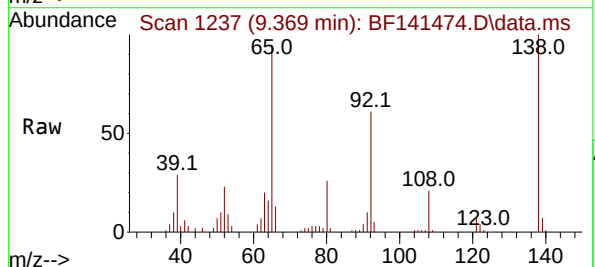
#47
2-Chloronaphthalene
Concen: 10.125 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

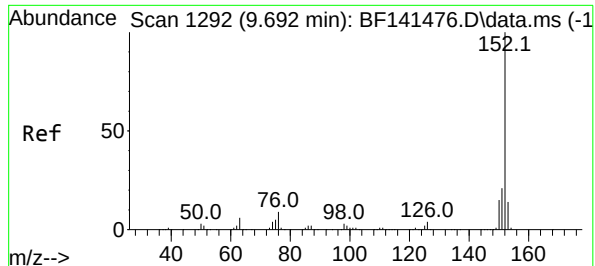
Tgt Ion:162 Resp: 116119
Ion Ratio Lower Upper
162 100
127 41.8 34.1 51.1
164 32.1 26.3 39.5



#48
2-Nitroaniline
Concen: 9.653 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion: 65 Resp: 37155
Ion Ratio Lower Upper
65 100
92 63.9 52.2 78.2
138 104.8 79.5 119.3





#49

Acenaphthylene

Concen: 10.179 ng

RT: 9.686 min Scan# 1291

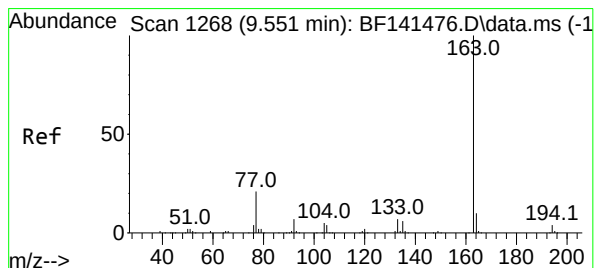
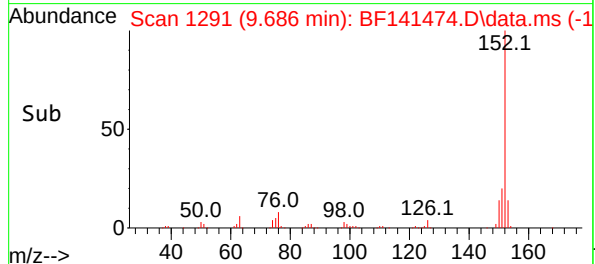
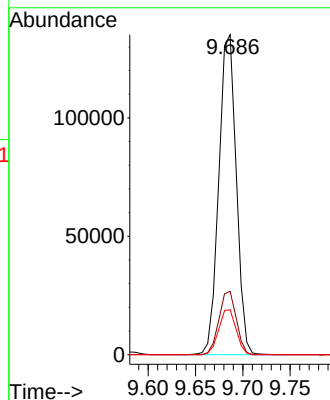
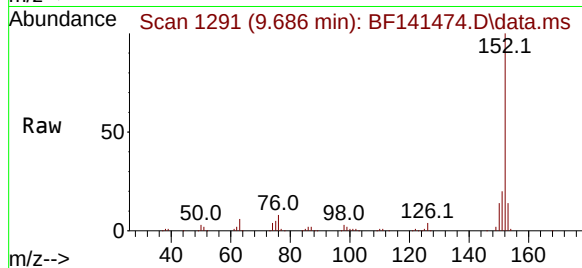
Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:152 Resp: 173644

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	14.1	10.9	16.3



#50

Dimethylphthalate

Concen: 10.006 ng

RT: 9.545 min Scan# 1267

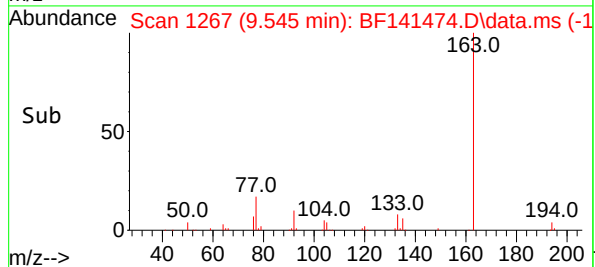
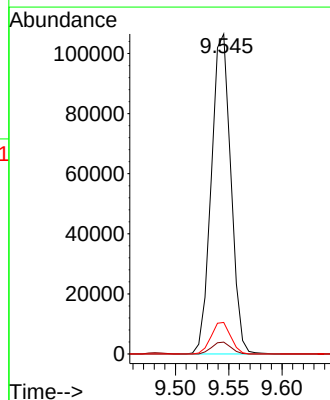
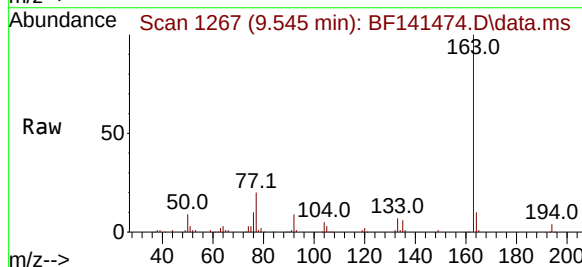
Delta R.T. -0.017 min

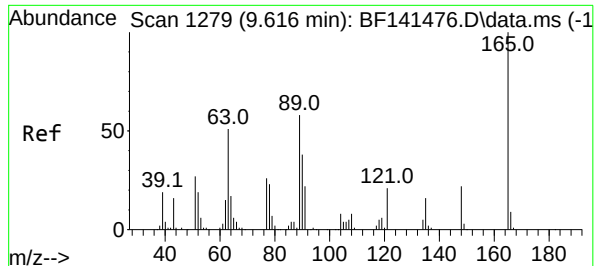
Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:163 Resp: 135886

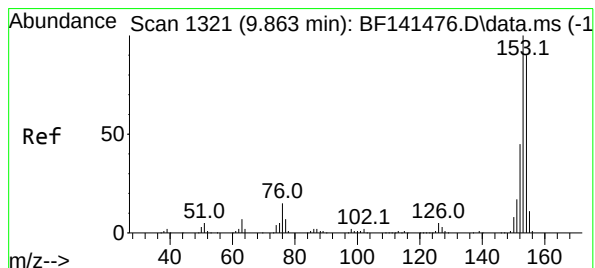
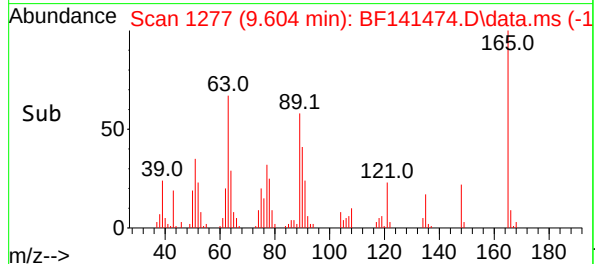
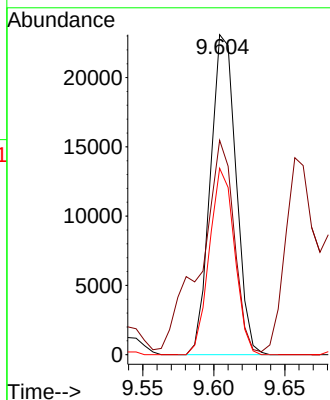
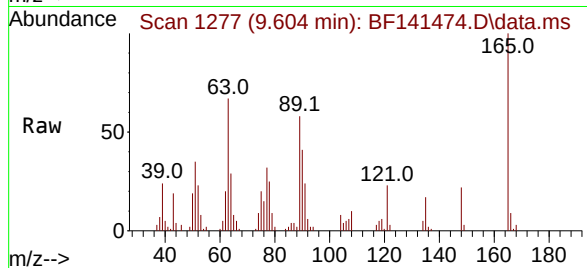
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.8	7.9	11.9





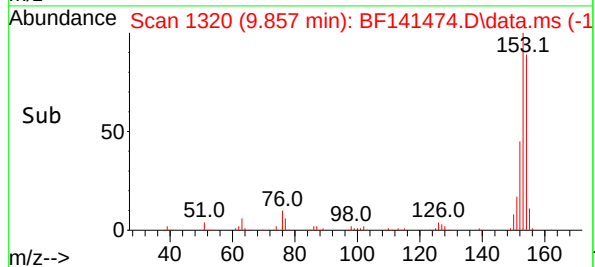
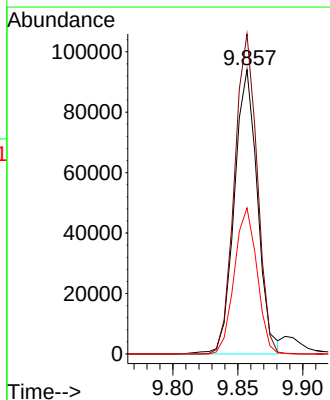
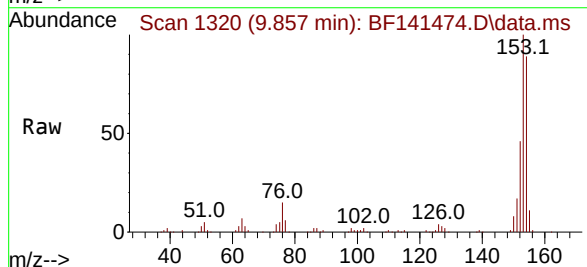
#51
2,6-Dinitrotoluene
Concen: 9.770 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

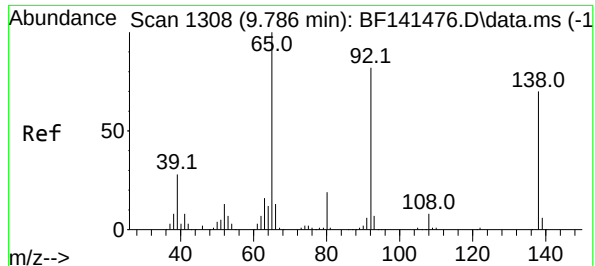
Tgt Ion	Ratio	Lower	Upper
165	100		
63	67.0	49.4	74.0
89	58.2	46.5	69.7



#52
Acenaphthene
Concen: 10.155 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

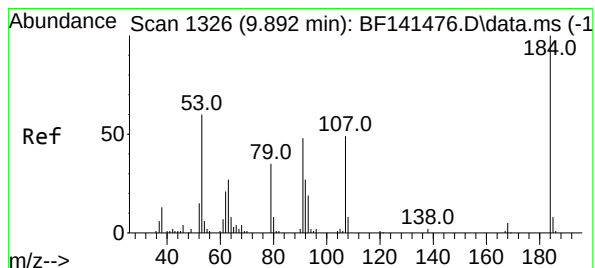
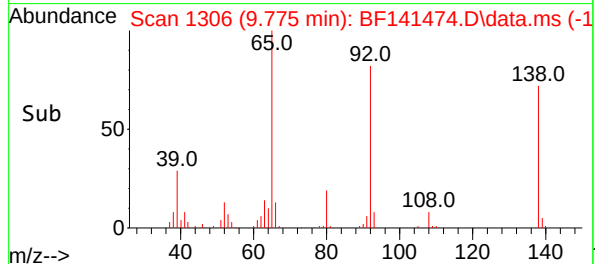
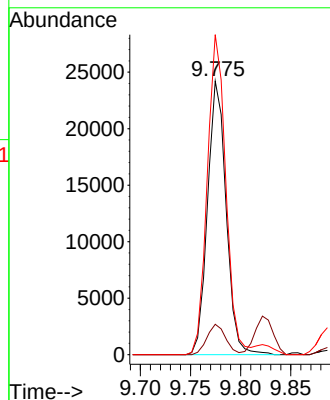
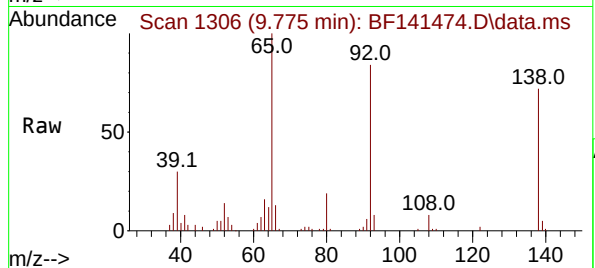
Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	51.4	39.8	59.8





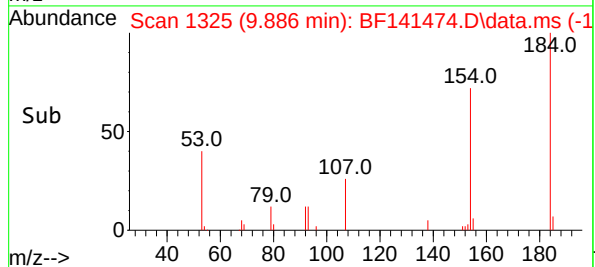
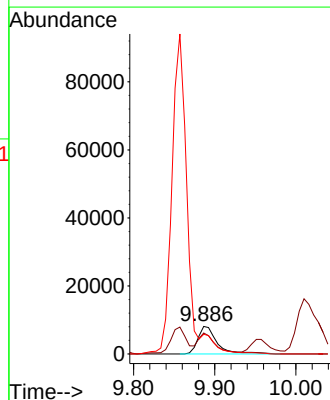
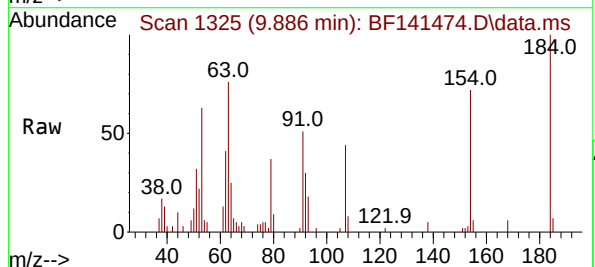
#53
3-Nitroaniline
Concen: 9.805 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

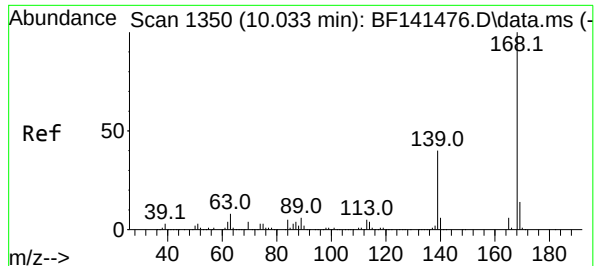
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.4
92	116.9	93.7	140.5



#54
2,4-Dinitrophenol
Concen: 7.561 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

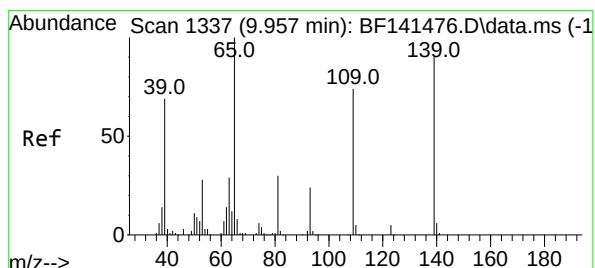
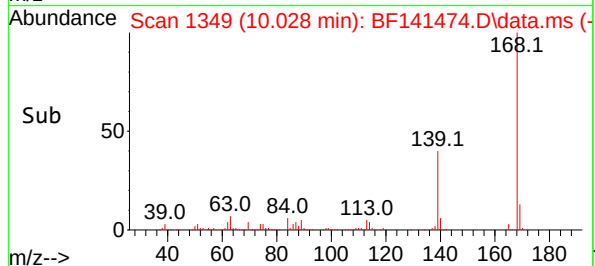
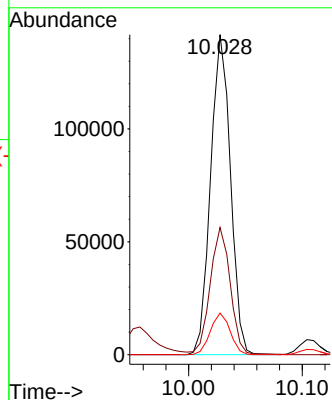
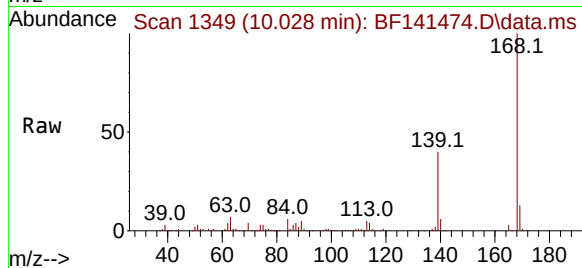
Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.9	61.0	91.6
154	71.6	59.9	89.9





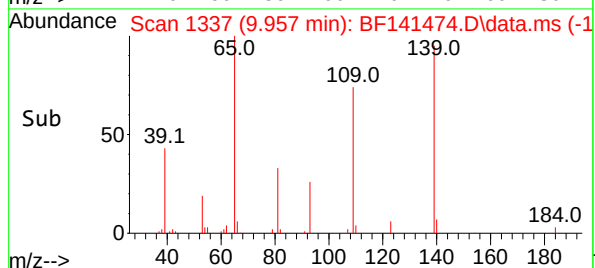
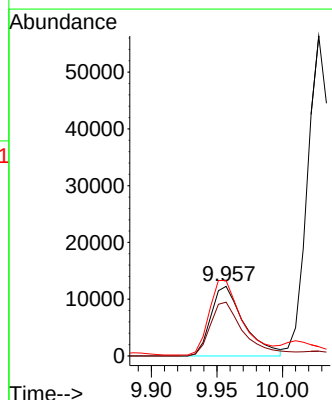
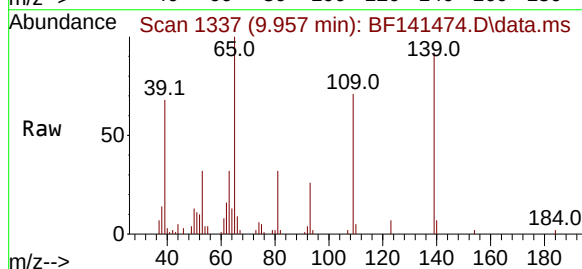
#55
Dibenzenofuran
Concen: 10.230 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

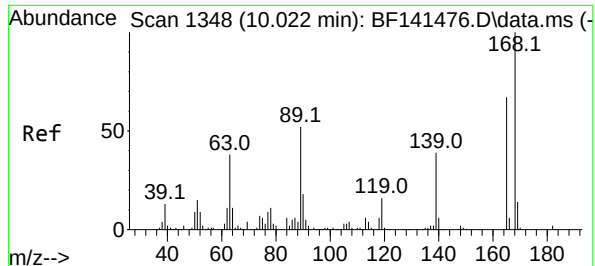
Tgt Ion:168 Resp: 172206
Ion Ratio Lower Upper
168 100
139 39.8 32.7 49.1
169 13.0 10.8 16.2



#56
4-Nitrophenol
Concen: 9.093 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

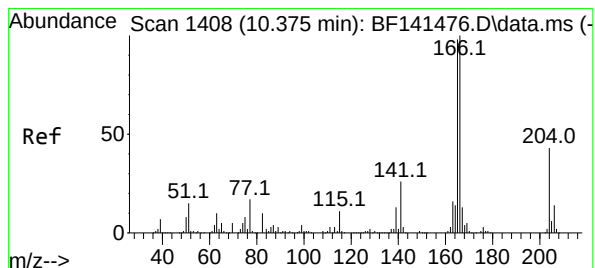
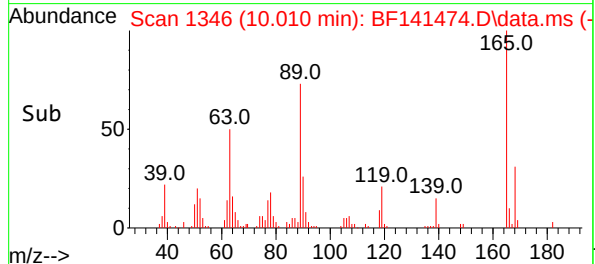
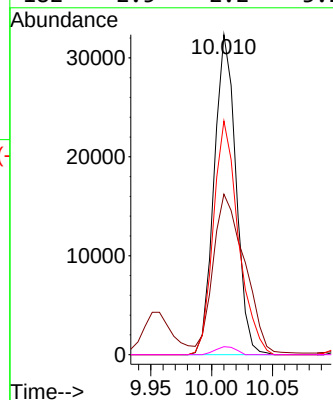
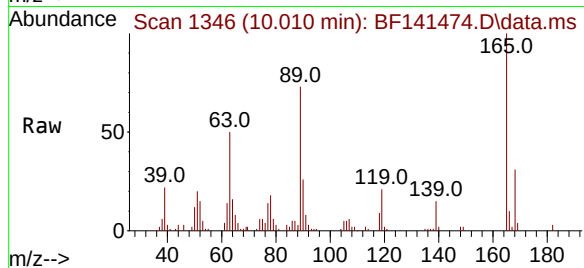
Tgt Ion:139 Resp: 21569
Ion Ratio Lower Upper
139 100
109 77.2 62.0 102.0
65 108.2 91.2 131.2





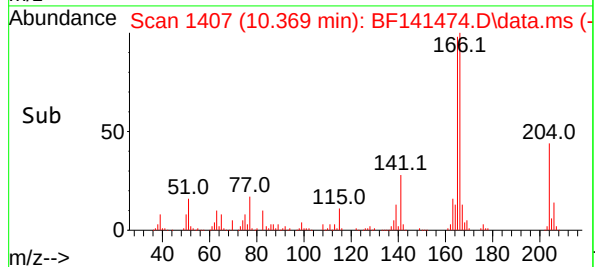
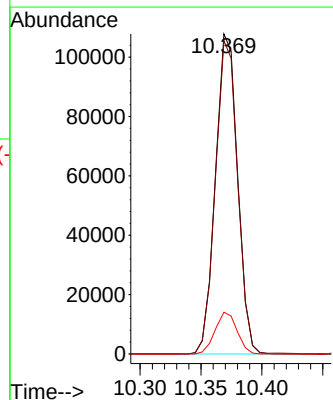
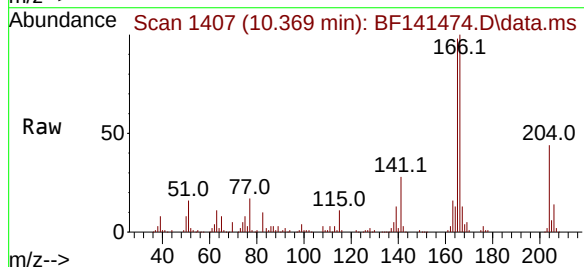
#57
2,4-Dinitrotoluene
Concen: 10.198 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

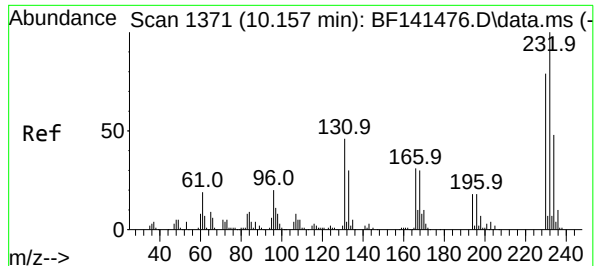
Tgt Ion:165 Resp: 40306
Ion Ratio Lower Upper
165 100
63 50.1 46.4 69.6
89 73.1 61.8 92.6
182 2.5 2.2 3.2



#58
Fluorene
Concen: 10.458 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

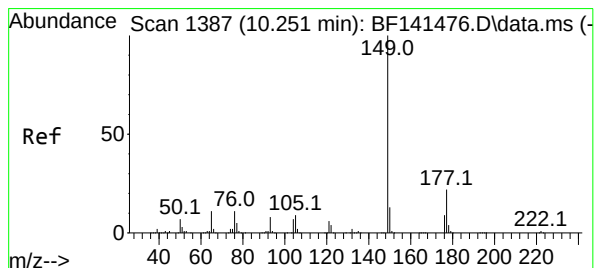
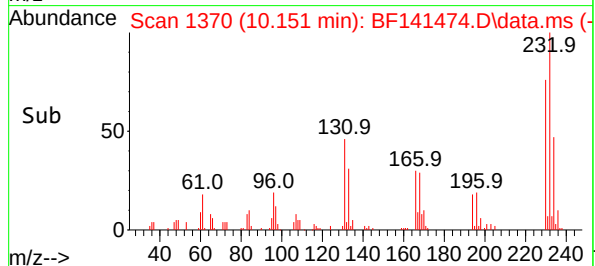
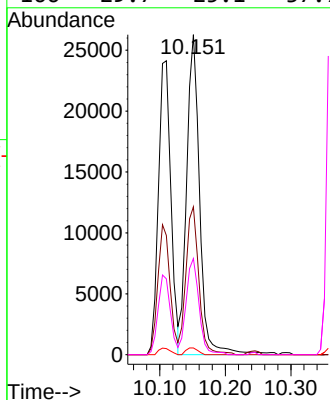
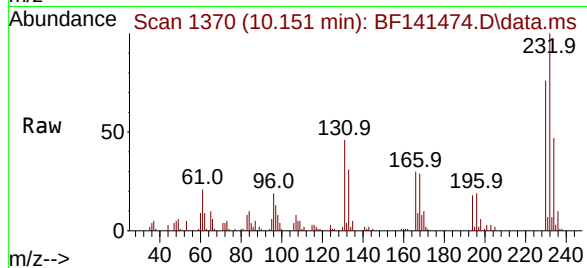
Tgt Ion:166 Resp: 136110
Ion Ratio Lower Upper
166 100
165 97.9 78.2 117.2
167 13.0 10.7 16.1





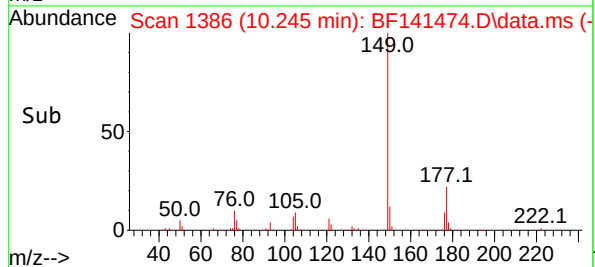
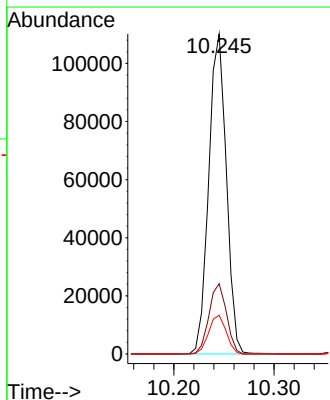
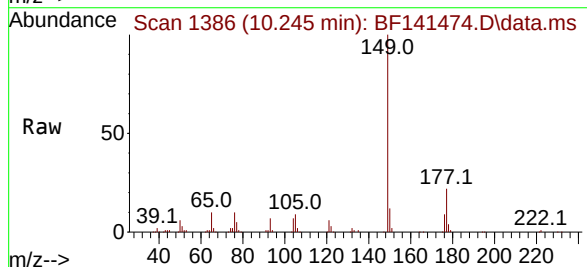
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.344 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

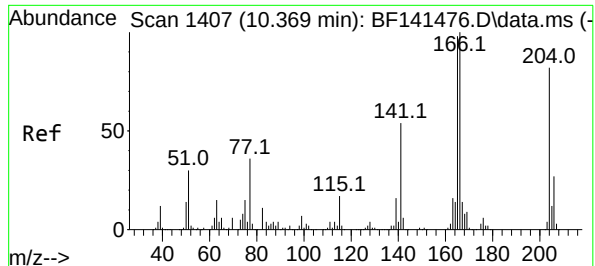
Tgt Ion:232 Resp: 36102
Ion Ratio Lower Upper
232 100
131 45.8 39.2 58.8
130 1.9 2.1 3.1#
166 29.7 25.1 37.7



#60
Diethylphthalate
Concen: 10.073 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

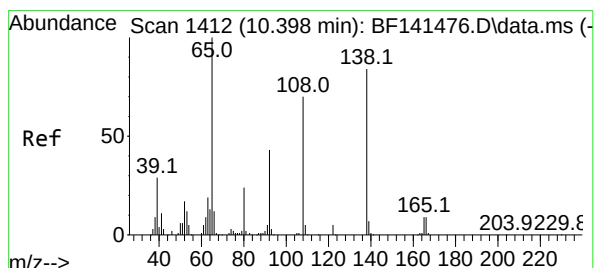
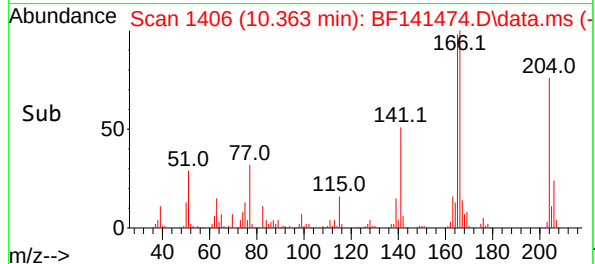
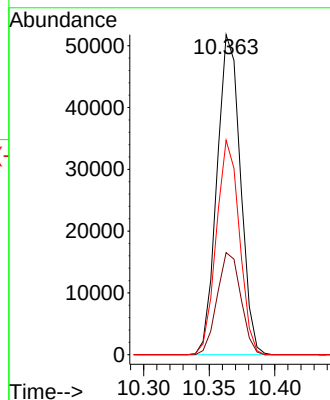
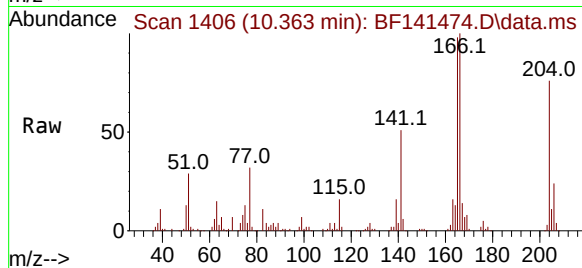
Tgt Ion:149 Resp: 134593
Ion Ratio Lower Upper
149 100
177 22.0 17.8 26.6
150 12.1 10.1 15.1





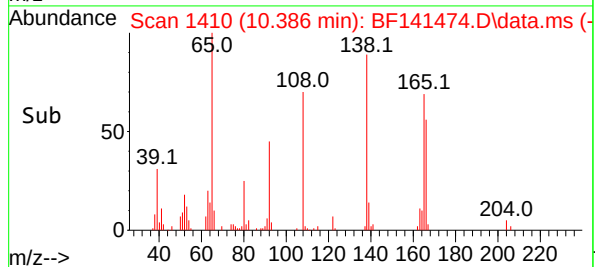
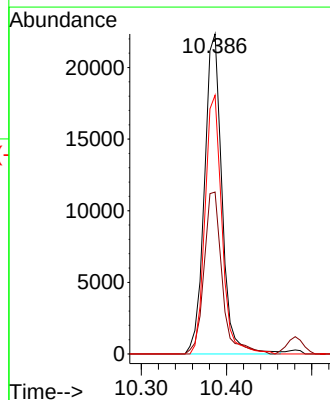
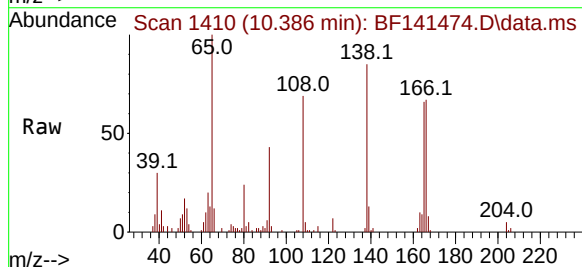
#61
4-Chlorophenyl-phenylether
Concen: 10.270 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

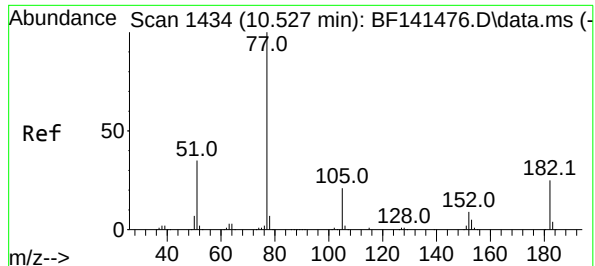
Tgt Ion:204 Resp: 64305
Ion Ratio Lower Upper
204 100
206 31.9 26.6 40.0
141 67.1 51.9 77.9



#62
4-Nitroaniline
Concen: 9.842 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

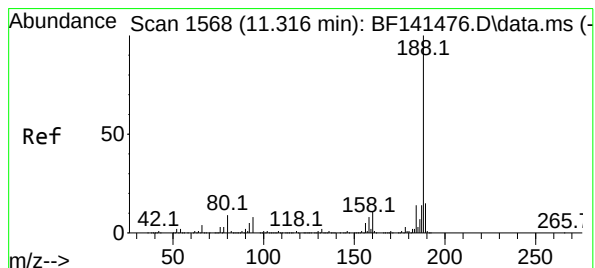
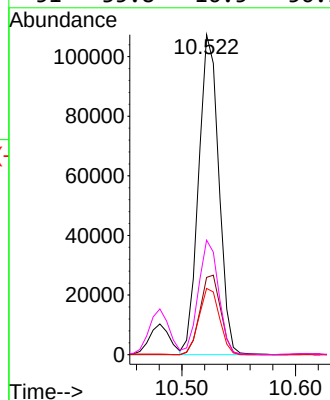
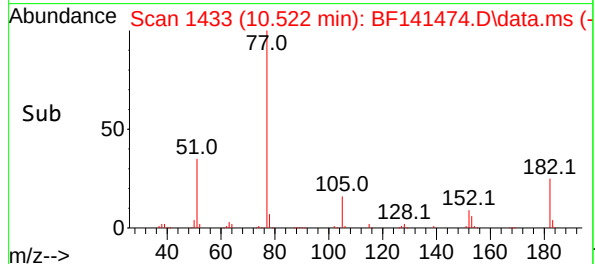
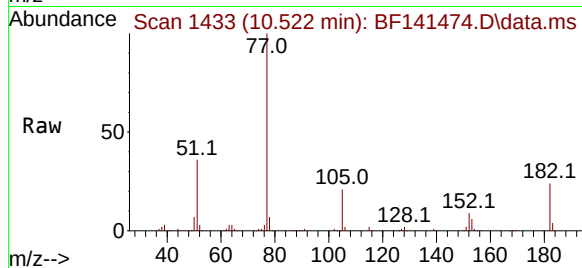
Tgt Ion:138 Resp: 31934
Ion Ratio Lower Upper
138 100
92 50.6 31.3 71.3
108 80.8 63.7 103.7





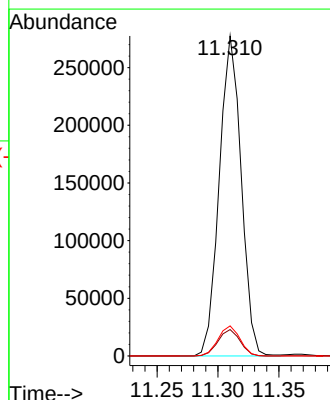
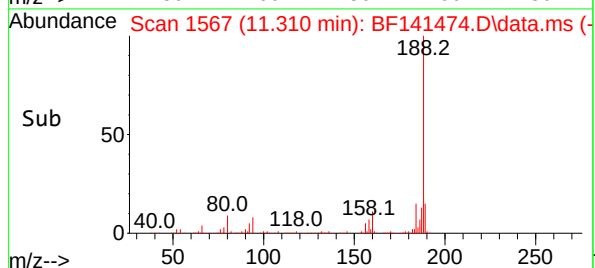
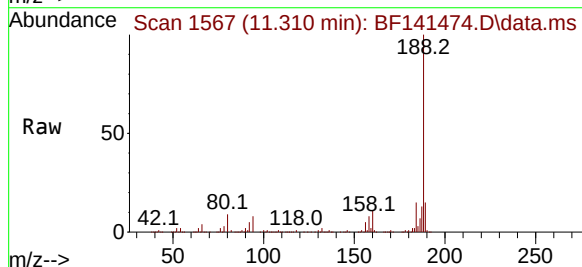
#63
Azobenzene
Concen: 10.010 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

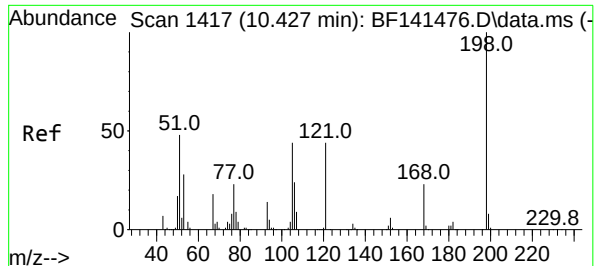
Tgt Ion:	77	Resp:	132968
Ion Ratio	Lower	Upper	
77	100		
182	24.1	4.7	44.7
105	20.7	0.4	40.4
51	35.8	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

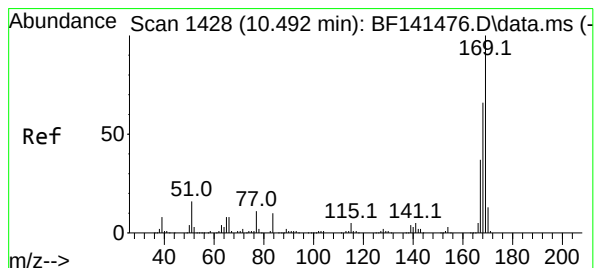
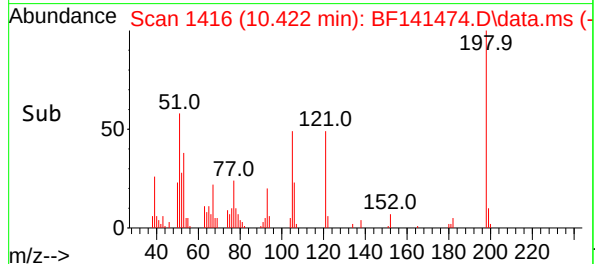
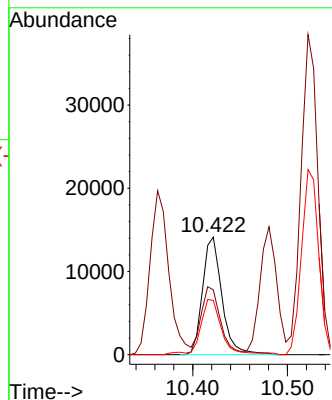
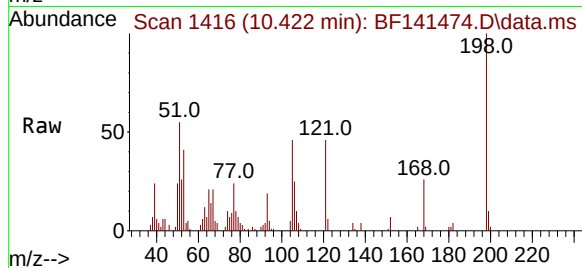
Tgt Ion:	188	Resp:	347312
Ion Ratio	Lower	Upper	
188	100		
94	8.3	6.6	10.0
80	9.4	7.3	10.9





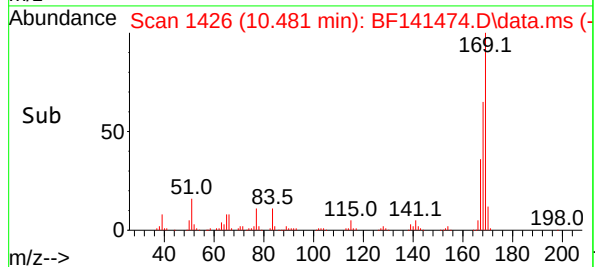
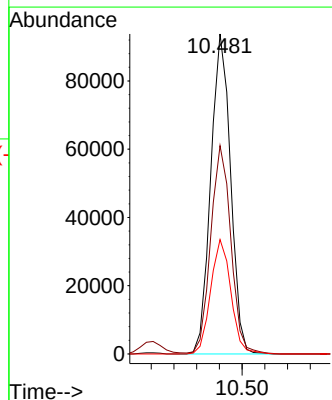
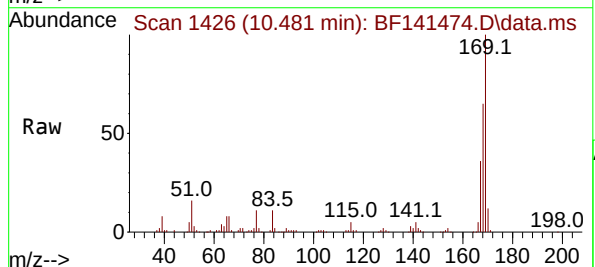
#65
4,6-Dinitro-2-methylphenol
Concen: 8.320 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

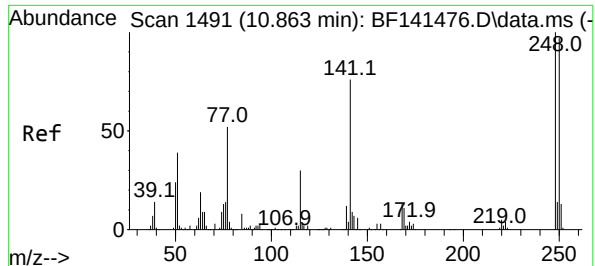
Tgt Ion:198 Resp: 20074
Ion Ratio Lower Upper
198 100
51 55.2 37.4 77.4
105 46.2 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 10.201 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

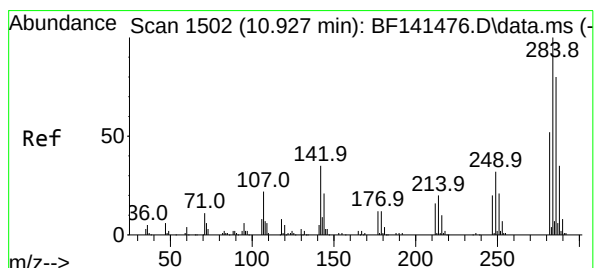
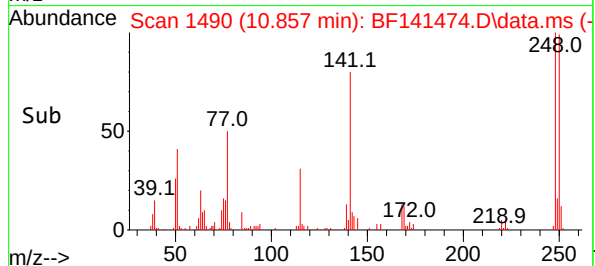
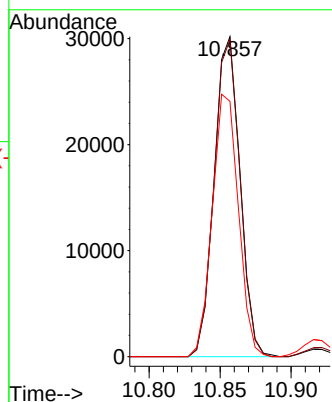
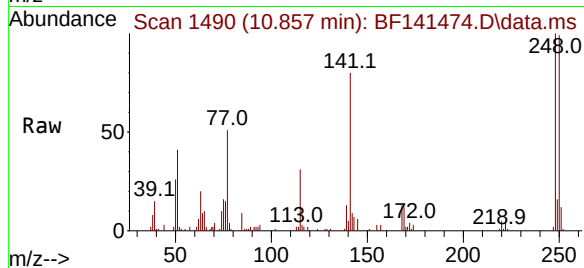
Tgt Ion:169 Resp: 113408
Ion Ratio Lower Upper
169 100
168 65.1 53.3 79.9
167 35.7 29.4 44.2





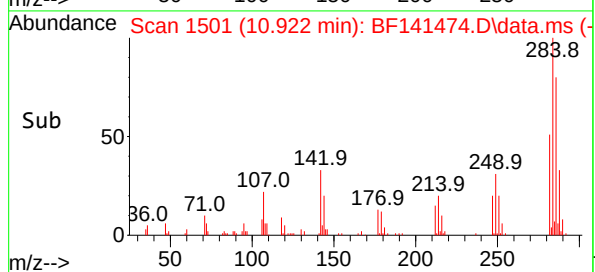
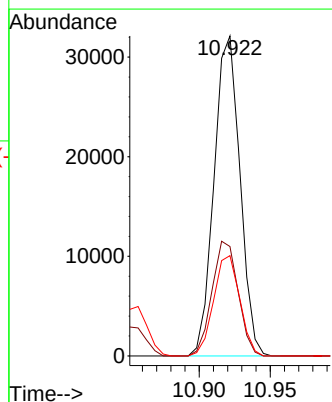
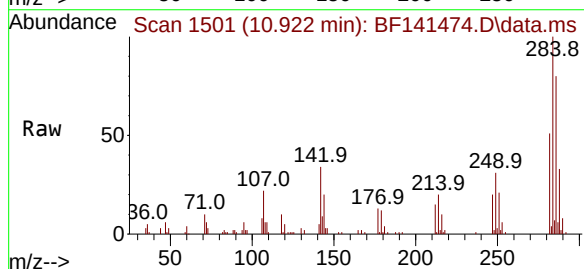
#67
4-Bromophenyl-phenylether
Concen: 9.856 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

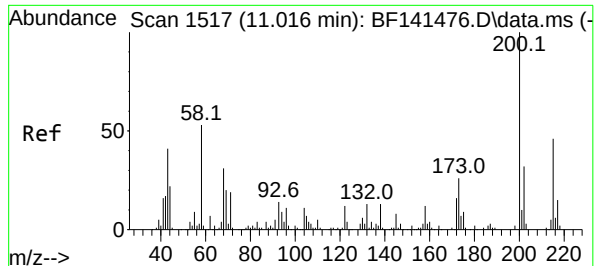
Tgt Ion: 248 Resp: 38257
Ion Ratio Lower Upper
248 100
250 99.1 77.8 116.6
141 79.8 60.6 90.8



#68
Hexachlorobenzene
Concen: 10.186 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

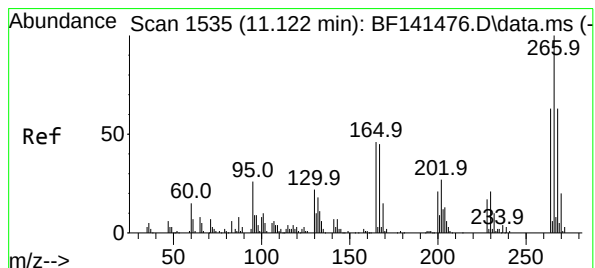
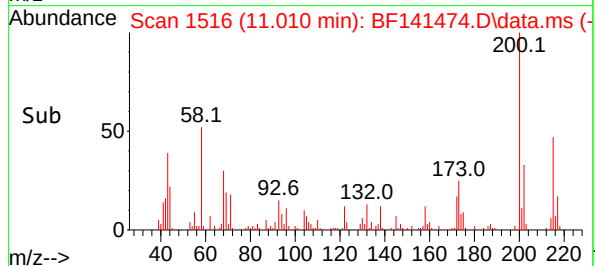
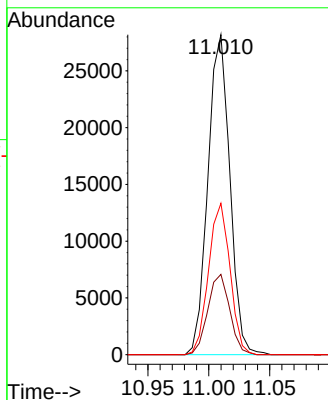
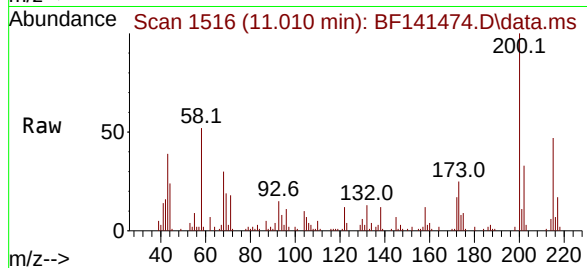
Tgt Ion: 284 Resp: 40715
Ion Ratio Lower Upper
284 100
142 34.2 28.0 42.0
249 31.3 25.8 38.8





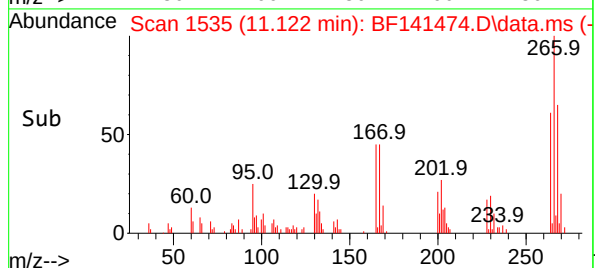
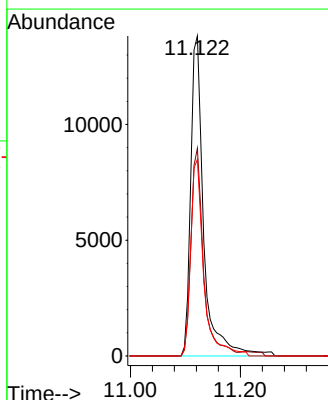
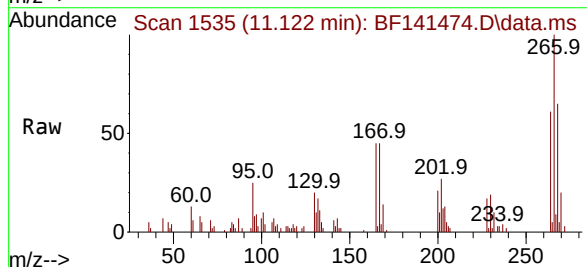
#69
Atrazine
Concen: 10.580 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.011 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

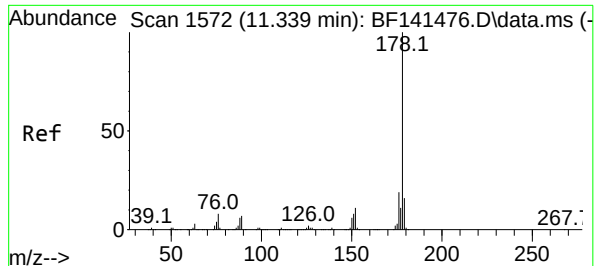
Tgt Ion:	200	Resp:	35287
Ion Ratio	Lower	Upper	
200	100		
173	25.1	5.9	45.9
215	47.3	25.9	65.9



#70
Pentachlorophenol
Concen: 8.895 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

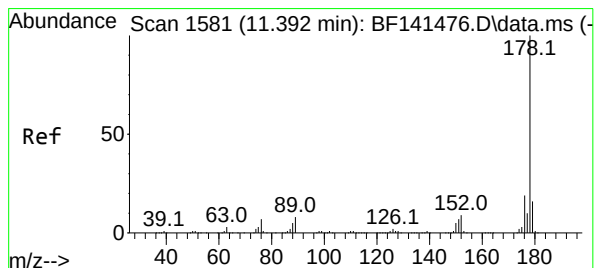
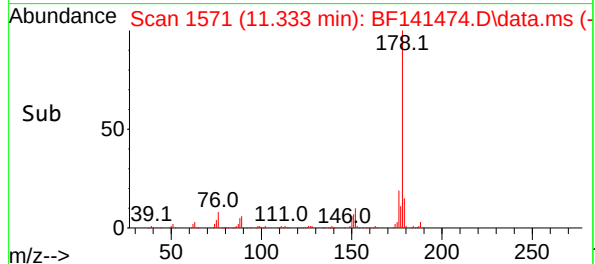
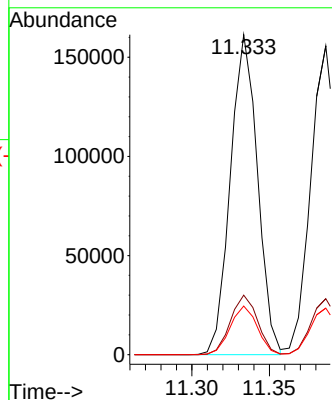
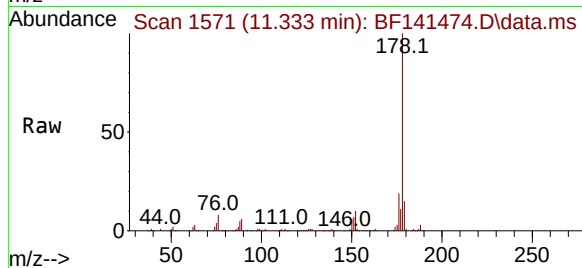
Tgt Ion:	266	Resp:	22735
Ion Ratio	Lower	Upper	
266	100		
268	64.9	50.1	75.1
264	61.5	50.1	75.1





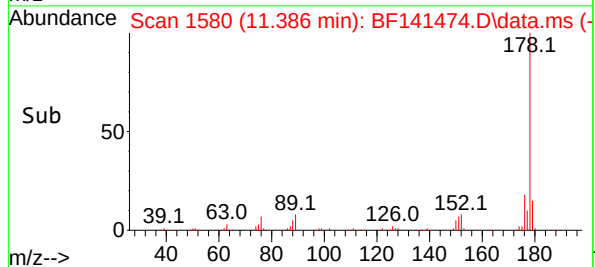
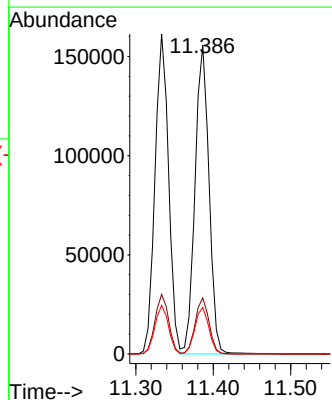
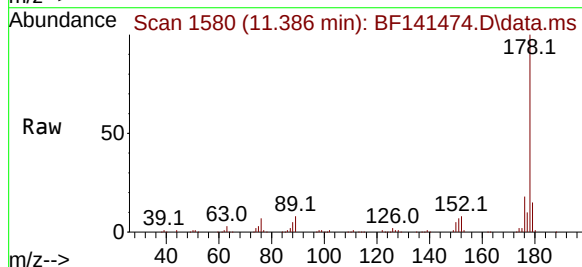
#71
Phenanthrene
Concen: 10.283 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

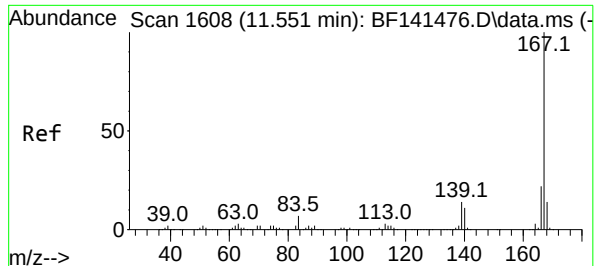
Tgt Ion:178 Resp: 196586
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.2 12.4 18.6



#72
Anthracene
Concen: 10.174 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

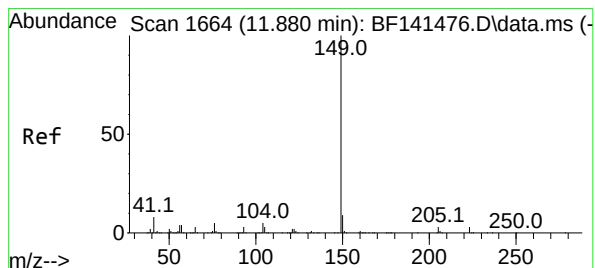
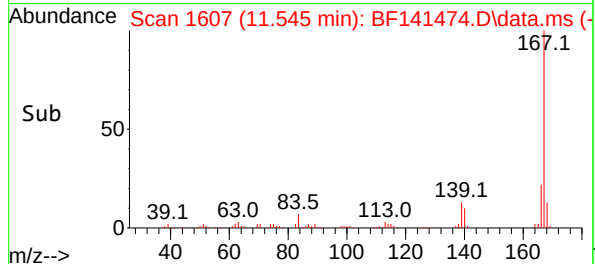
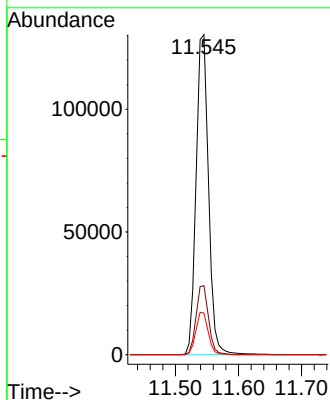
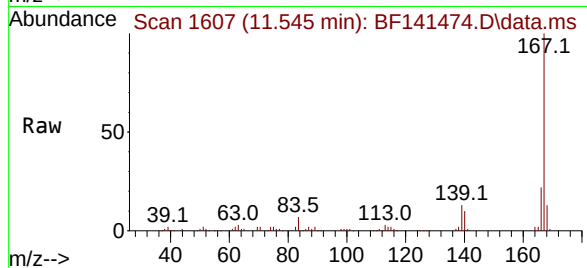
Tgt Ion:178 Resp: 195528
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.1 12.4 18.6





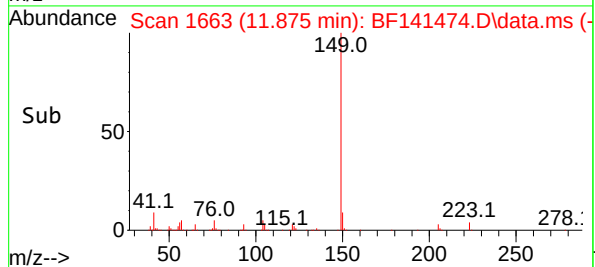
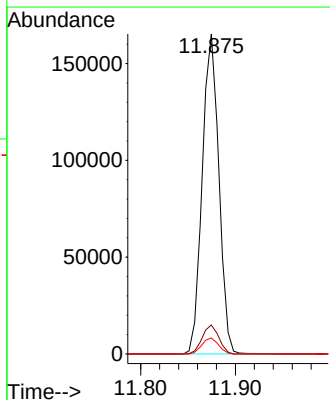
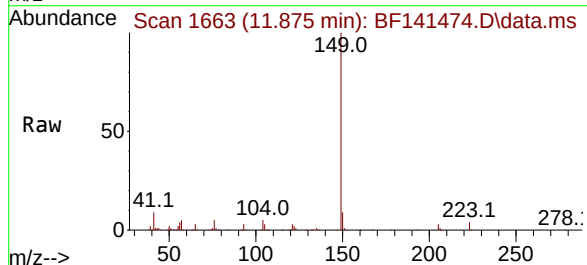
#73
Carbazole
Concen: 10.306 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

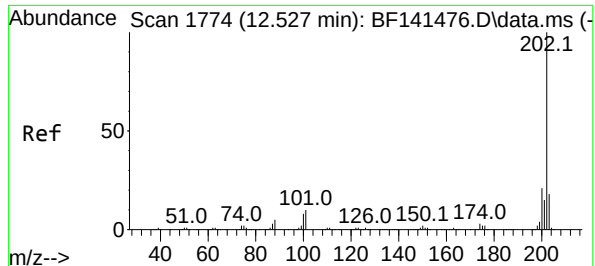
Tgt Ion:167 Resp: 178223
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.0 10.9 16.3



#74
Di-n-butylphthalate
Concen: 10.057 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

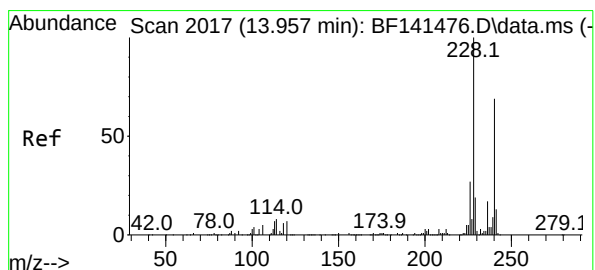
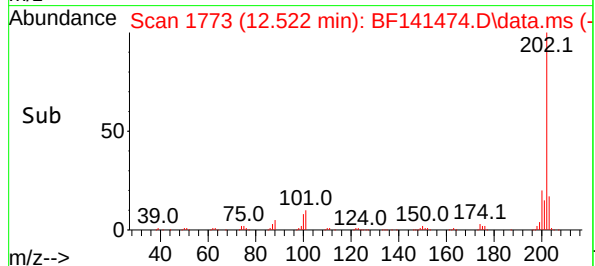
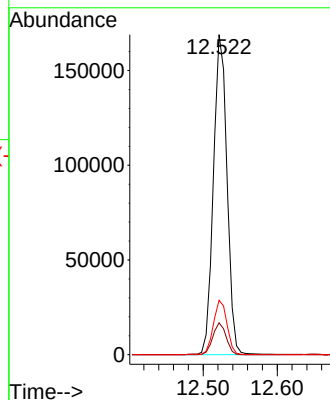
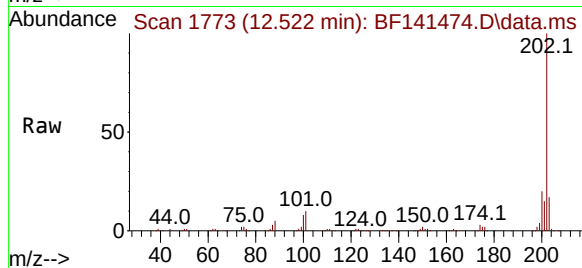
Tgt Ion:149 Resp: 200806
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.0 4.2 6.2





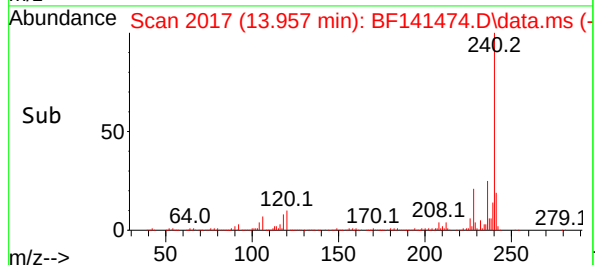
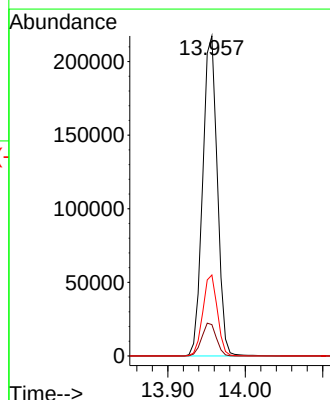
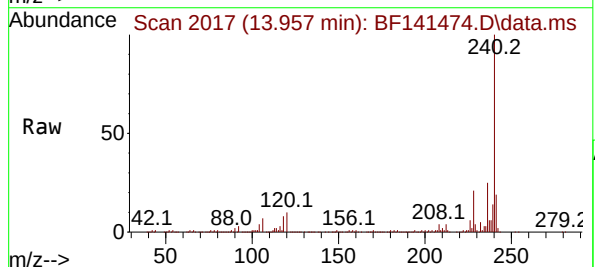
#75
Fluoranthene
Concen: 10.618 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

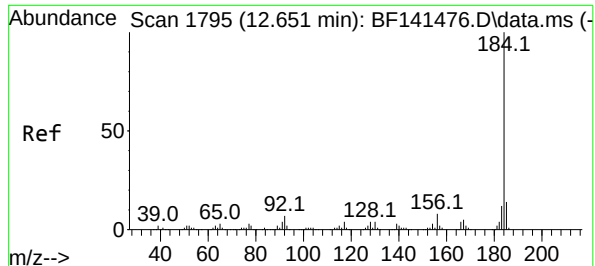
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.0	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.0	12.0
236	25.3	19.8	29.8





#77

Benzidine

Concen: 11.050 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

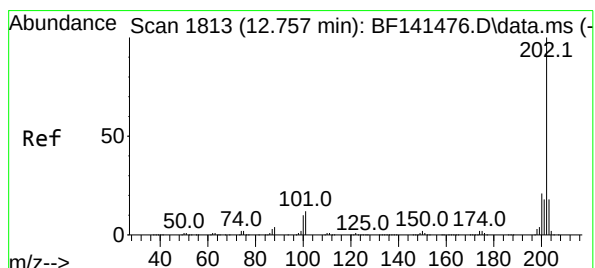
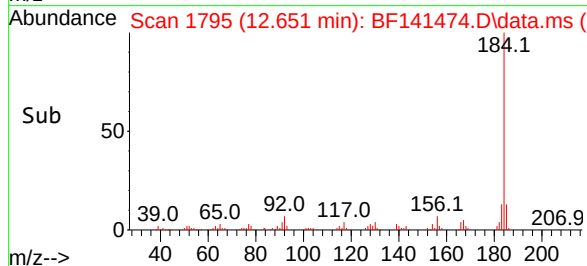
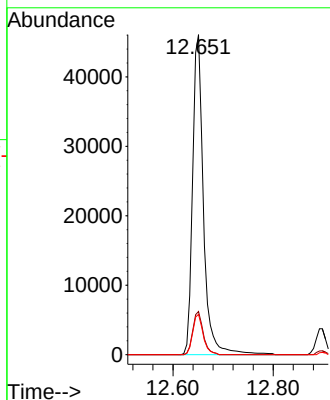
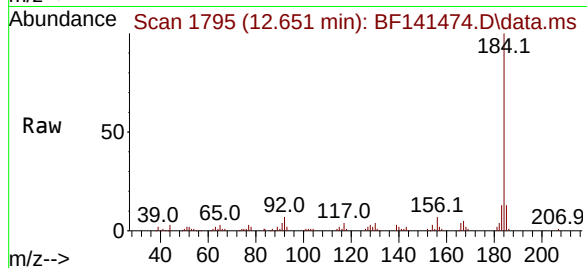
Tgt Ion:184 Resp: 69402

Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

183 12.6 9.3 13.9



#78

Pyrene

Concen: 9.146 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

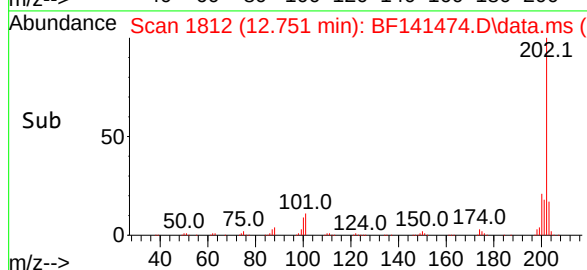
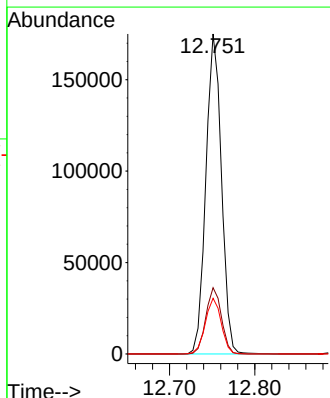
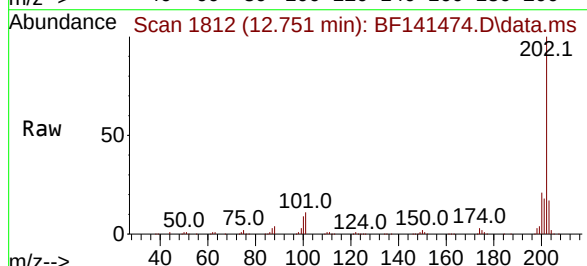
Tgt Ion:202 Resp: 221721

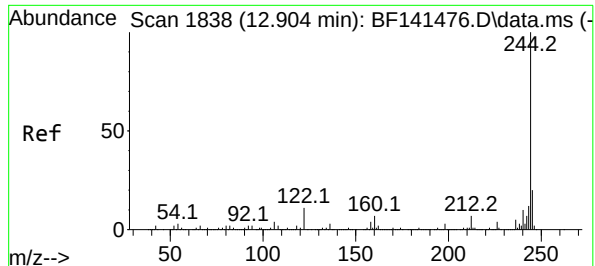
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

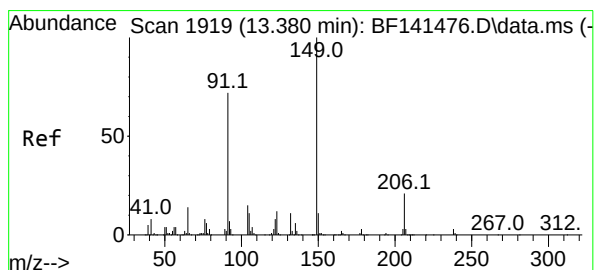
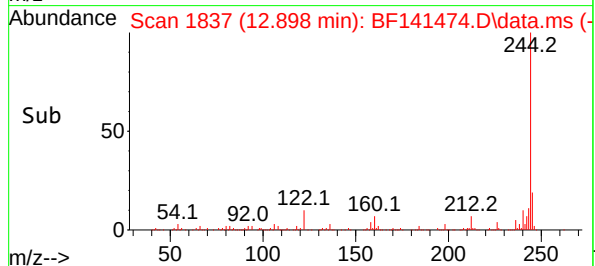
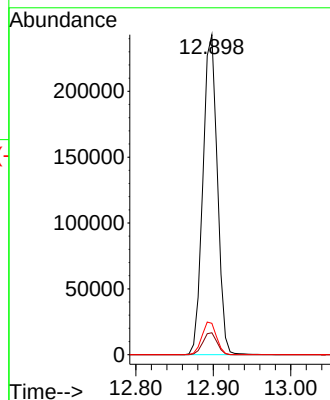
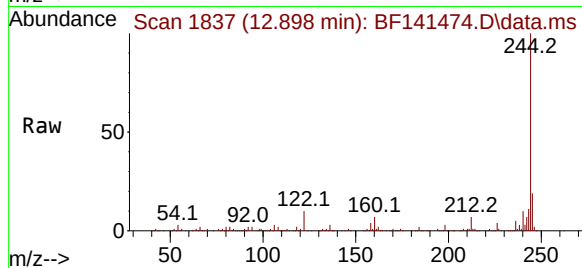
203 17.4 14.3 21.5





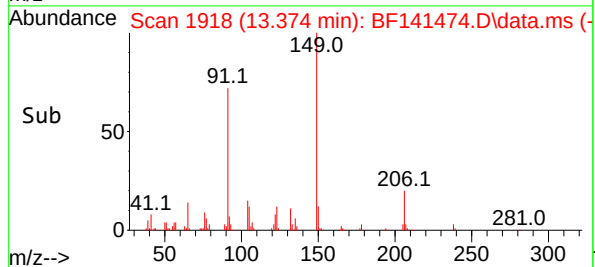
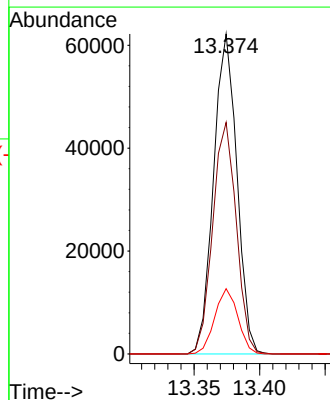
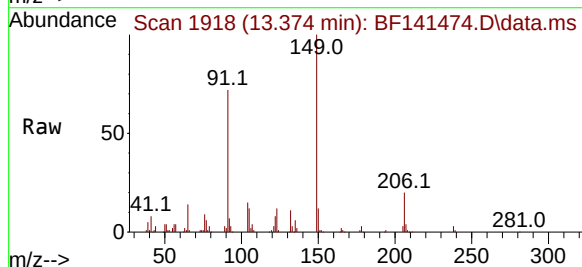
#79
Terphenyl-d14
Concen: 18.645 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

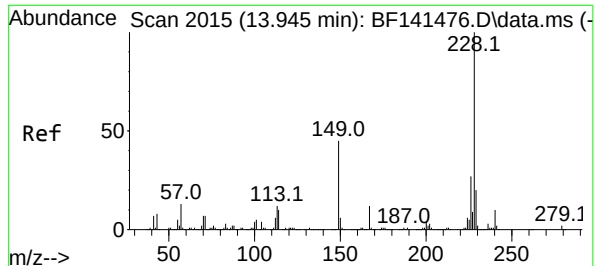
Tgt Ion:244 Resp: 314541
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 9.8 8.4 12.6



#80
Butylbenzylphthalate
Concen: 9.152 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

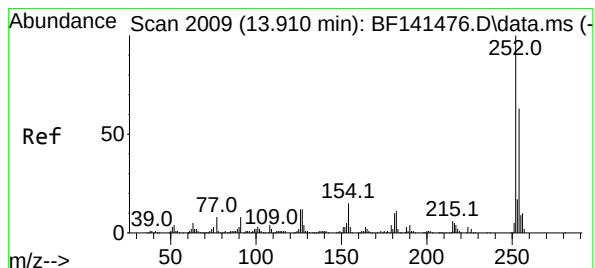
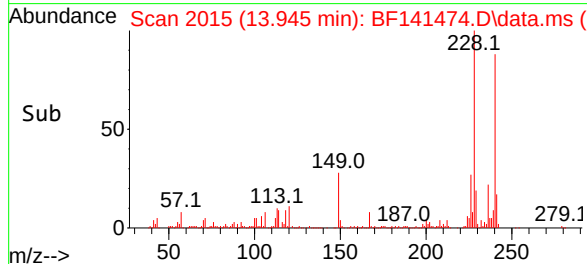
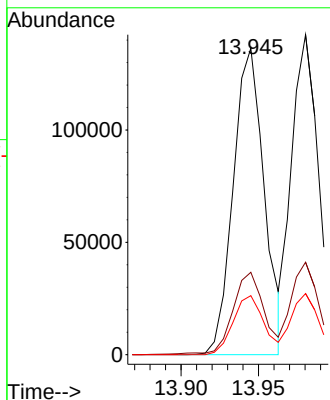
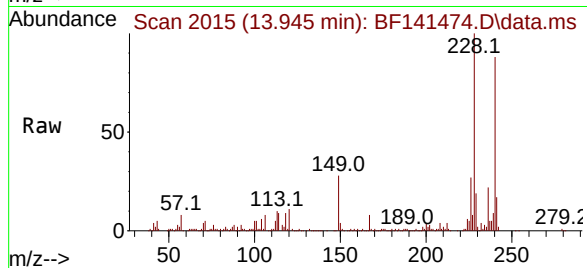
Tgt Ion:149 Resp: 76852
Ion Ratio Lower Upper
149 100
91 72.3 57.8 86.8
206 20.4 16.7 25.1





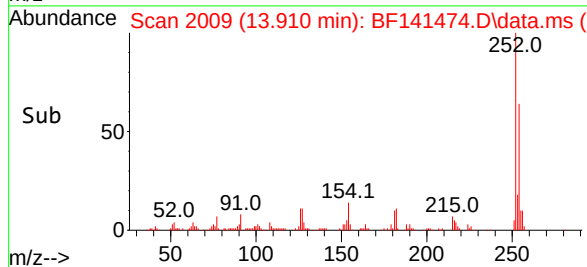
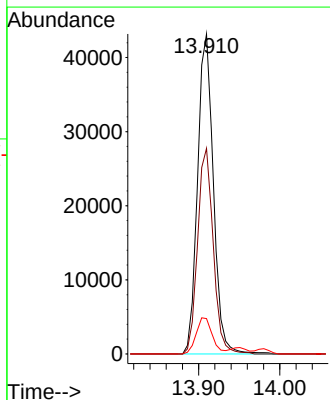
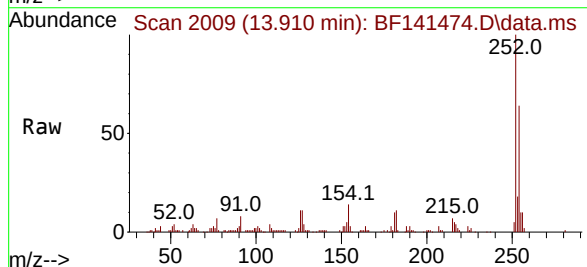
#81
Benzo(a)anthracene
Concen: 10.021 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

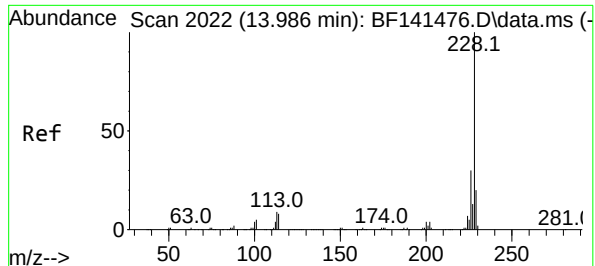
Tgt Ion:228 Resp: 189705
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 10.785 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion:252 Resp: 58487
Ion Ratio Lower Upper
252 100
254 64.3 50.6 76.0
126 11.1 9.3 13.9





#83

Chrysene

Concen: 9.960 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

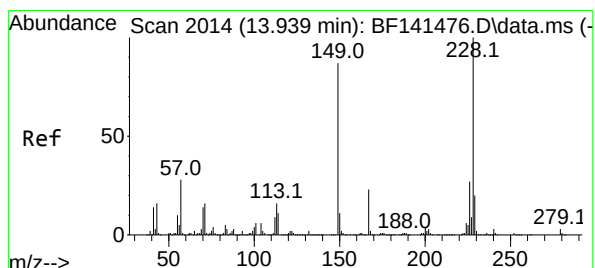
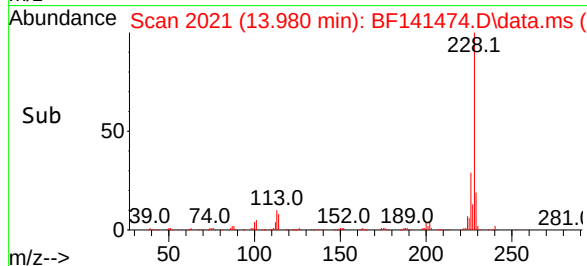
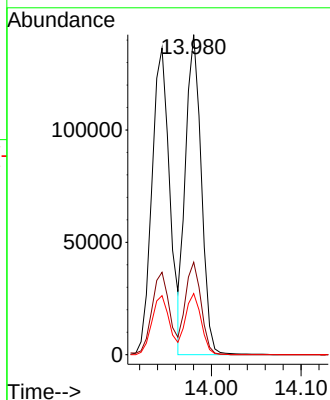
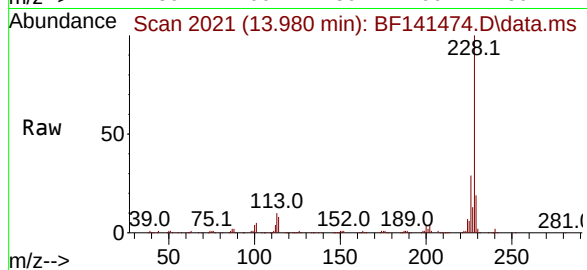
Tgt Ion:228 Resp: 174103

Ion Ratio Lower Upper

228 100

226 28.9 24.0 36.0

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.171 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

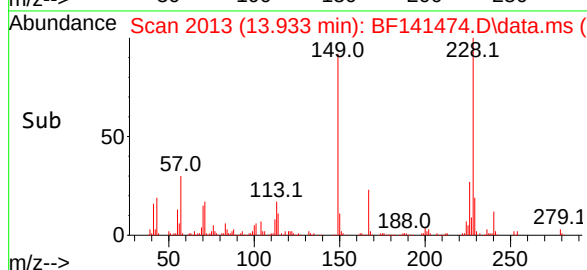
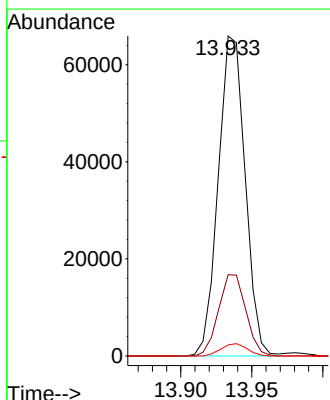
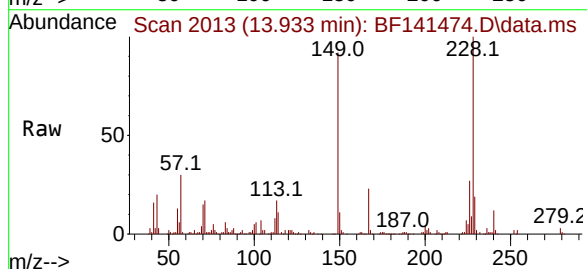
Tgt Ion:149 Resp: 86853

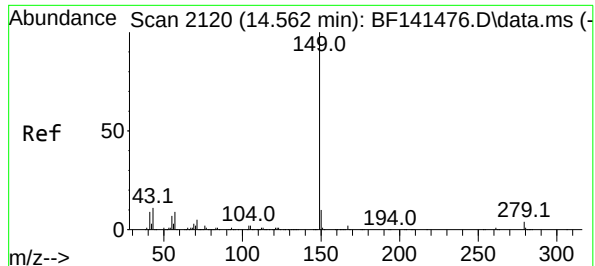
Ion Ratio Lower Upper

149 100

167 25.4 21.4 32.0

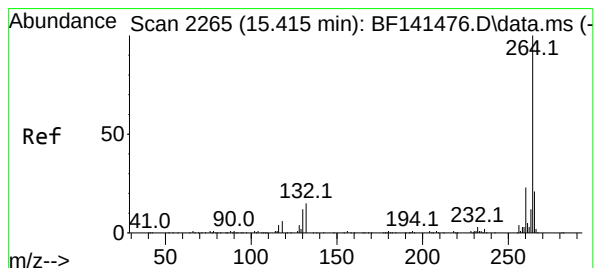
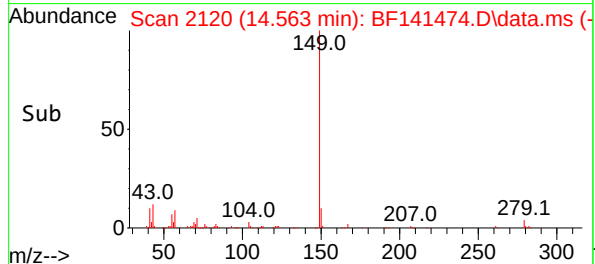
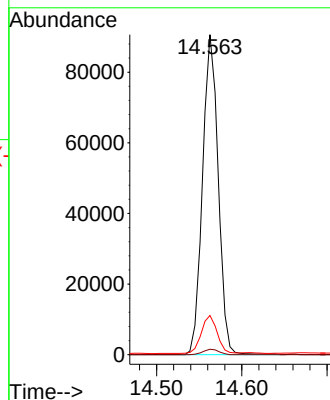
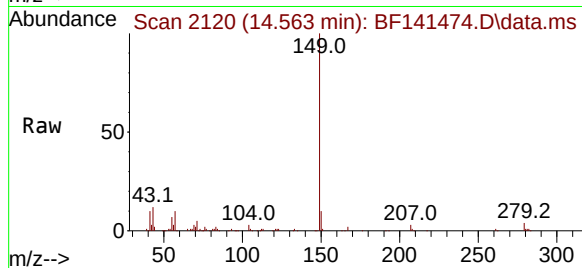
279 3.5 3.1 4.7





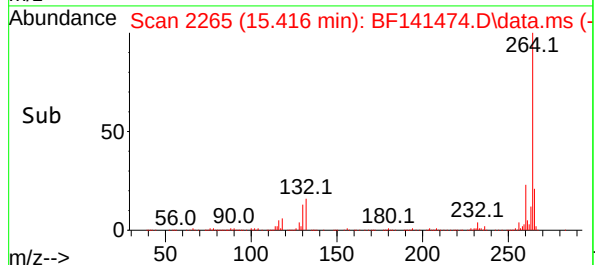
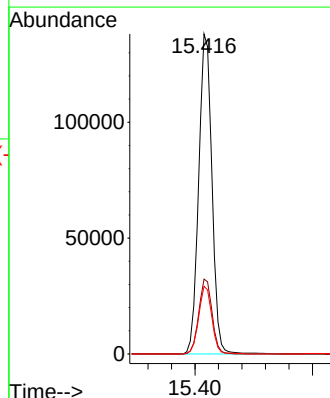
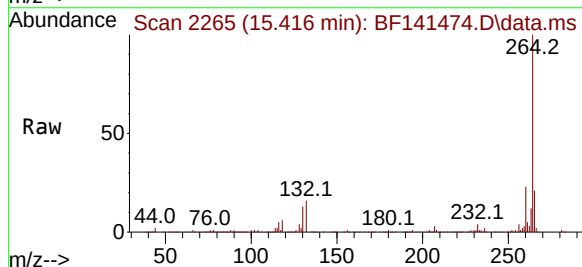
#85
Di-n-octyl phthalate
Concen: 8.576 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

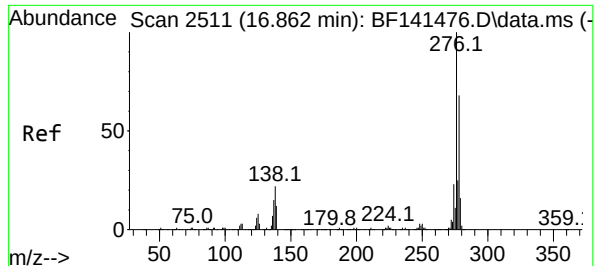
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.2	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.327 ng

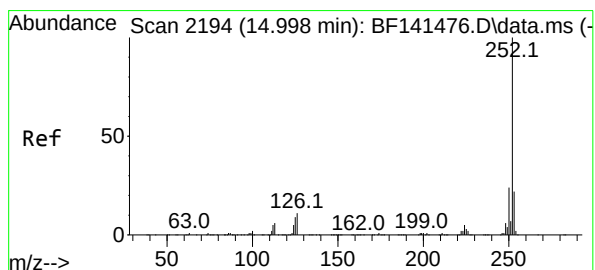
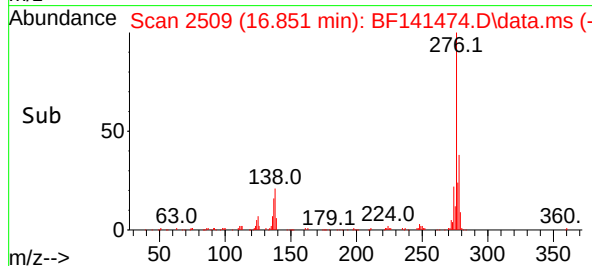
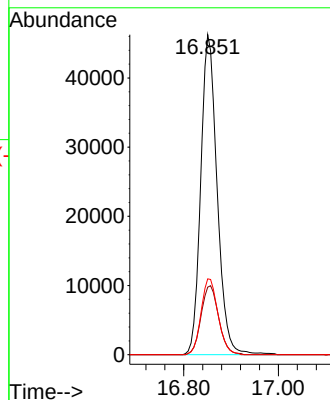
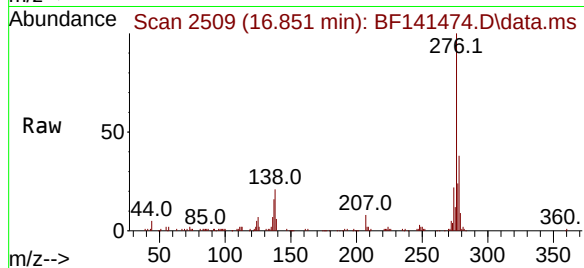
RT: 16.851 min Scan# 2509

Delta R.T. -0.023 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:	276	Resp:	111083
Ion Ratio	Lower	Upper	
276	100		
138	23.1	18.0	27.0
277	24.5	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 10.476 ng

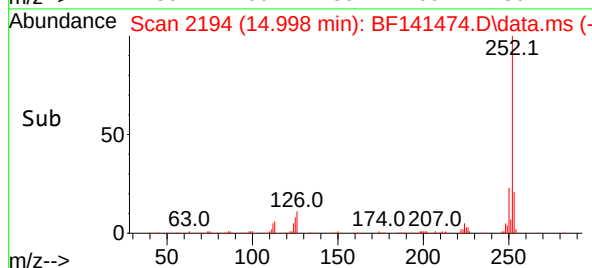
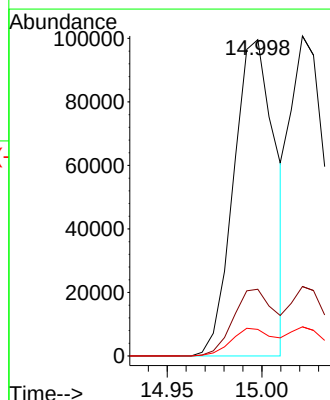
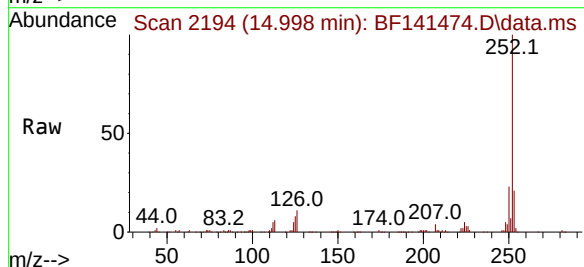
RT: 14.998 min Scan# 2194

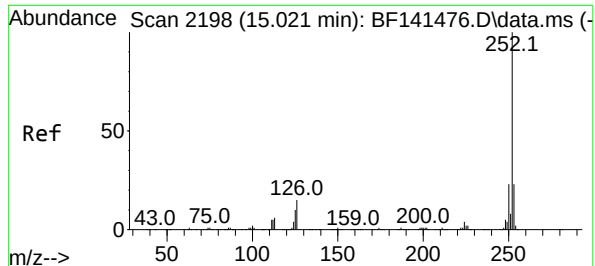
Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

Tgt Ion:	252	Resp:	151861
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.5	26.3
125	8.4	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 10.604 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

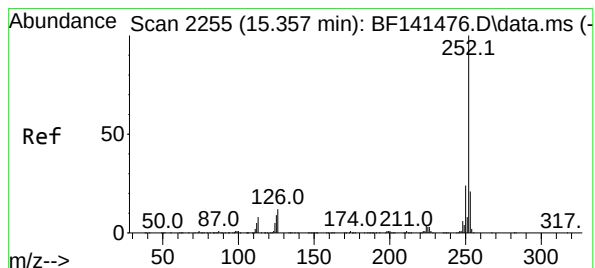
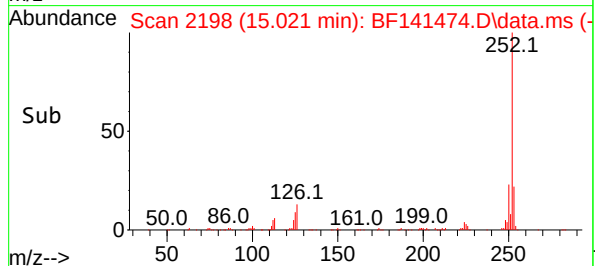
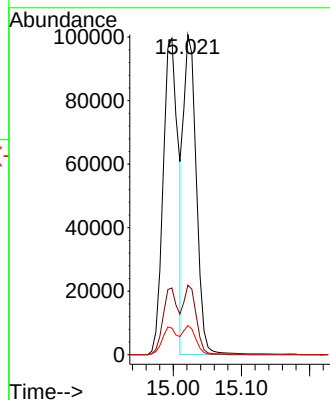
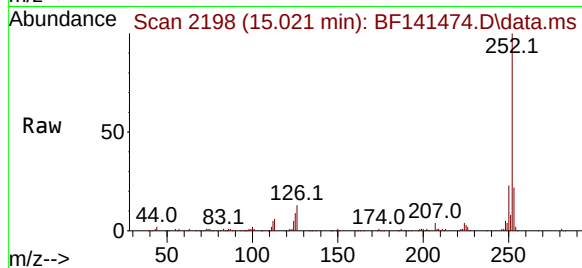
Tgt Ion:252 Resp: 131265

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 9.1 7.4 11.0



#90

Benzo(a)pyrene

Concen: 9.885 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141474.D

Acq: 06 Feb 2025 12:00

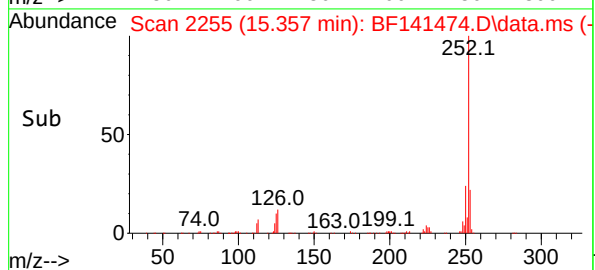
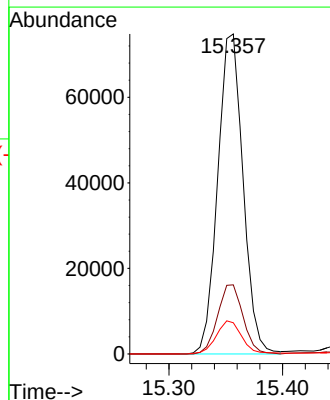
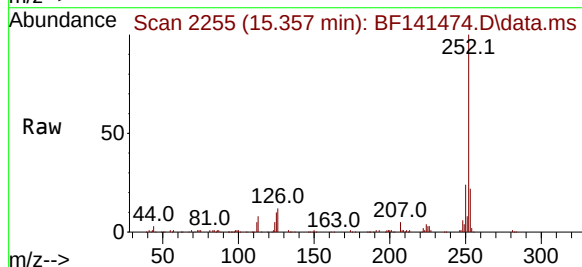
Tgt Ion:252 Resp: 115948

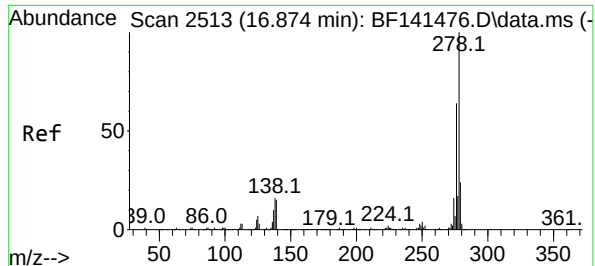
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

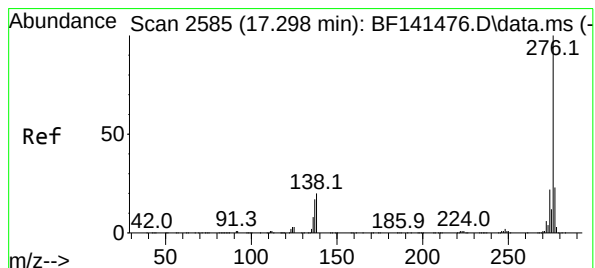
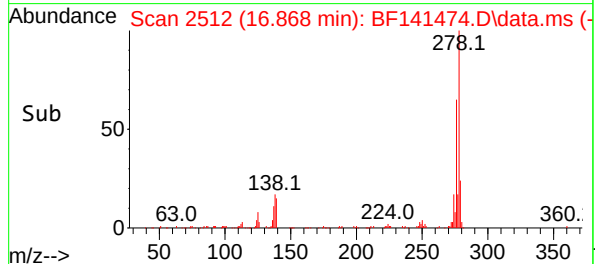
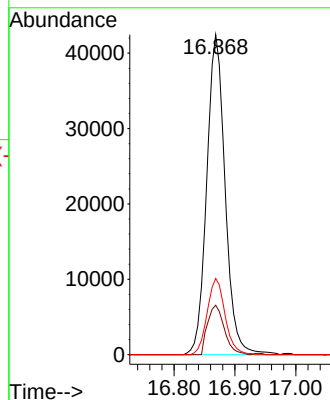
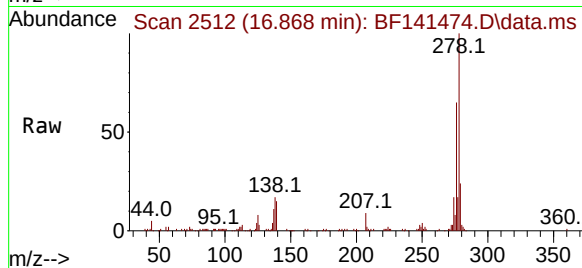
125 9.8 7.4 11.2





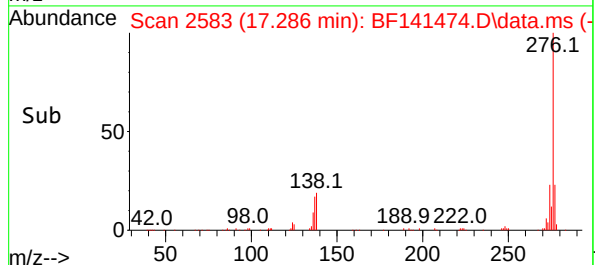
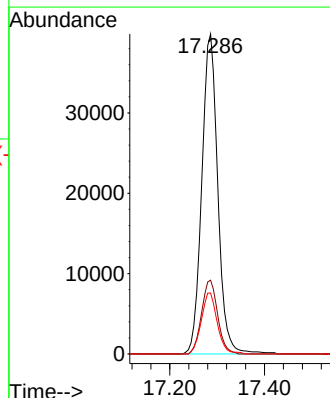
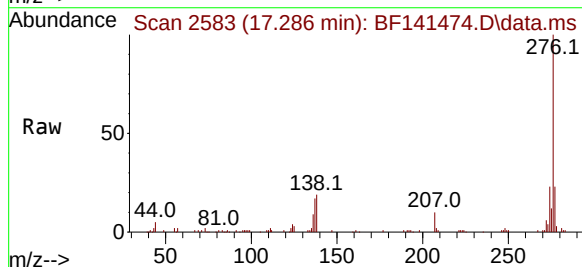
#91
Dibenzo(a,h)anthracene
Concen: 8.271 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.023 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.6
279	23.8	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 8.243 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141474.D
Acq: 06 Feb 2025 12:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.6	28.0
138	19.0	15.9	23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141475.D
 Acq On : 06 Feb 2025 12:26
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 06 16:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	86149	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348017	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193091	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	333651	20.000	ng	0.00
76) Chrysene-d12	13.957	240	251741	20.000	ng	0.00
86) Perylene-d12	15.416	264	191435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	235106	42.785	ng	0.00
7) Phenol-d6	6.422	99	293602	42.273	ng	-0.02
23) Nitrobenzene-d5	7.351	82	275773	41.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80912	41.714	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	534841	42.674	ng	0.00
79) Terphenyl-d14	12.898	244	609819	40.894	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	45027	20.359	ng	98
3) Pyridine	3.211	79	112903	21.453	ng	96
4) n-Nitrosodimethylamine	3.152	42	70658	20.276	ng	98
6) Aniline	6.446	93	142156	21.820	ng	97
8) 2-Chlorophenol	6.575	128	124573	20.980	ng	98
9) Benzaldehyde	6.340	77	84531	22.903	ng	98
10) Phenol	6.440	94	156515	21.652	ng	96
11) bis(2-Chloroethyl)ether	6.522	93	111675	20.568	ng	98
12) 1,3-Dichlorobenzene	6.728	146	133906	21.362	ng	99
13) 1,4-Dichlorobenzene	6.804	146	135357	21.134	ng	99
14) 1,2-Dichlorobenzene	6.957	146	126931	21.354	ng	99
15) Benzyl Alcohol	6.928	79	113901	21.386	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199281	21.441	ng	99
17) 2-Methylphenol	7.046	107	96607	20.792	ng	99
18) Hexachloroethane	7.298	117	50745	21.409	ng	99
19) n-Nitroso-di-n-propyla...	7.199	70	89512	21.546	ng	99
20) 3+4-Methylphenols	7.199	107	125707	21.287	ng	91
22) Acetophenone	7.199	105	181333	20.946	ng	100
24) Nitrobenzene	7.369	77	133285	20.485	ng	99
25) Isophorone	7.604	82	220291	20.706	ng	99
26) 2-Nitrophenol	7.687	139	66195	20.449	ng	98
27) 2,4-Dimethylphenol	7.728	122	76751	20.296	ng	97
28) bis(2-Chloroethoxy)met...	7.822	93	142151	20.852	ng	99
29) 2,4-Dichlorophenol	7.934	162	108456	21.227	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	115050	20.678	ng	100
31) Naphthalene	8.093	128	381547	21.062	ng	99
32) Benzoic acid	7.828	122	75462	19.212	ng	99
33) 4-Chloroaniline	8.146	127	132911	21.014	ng	98
34) Hexachlorobutadiene	8.210	225	69492	20.804	ng	98
35) Caprolactam	8.498	113	32746	21.050	ng	97
36) 4-Chloro-3-methylphenol	8.628	107	119021	21.029	ng	99
37) 2-Methylnaphthalene	8.781	142	250365	21.238	ng	98
38) 1-Methylnaphthalene	8.881	142	240408	21.056	ng	99
40) 1,2,4,5-Tetrachloroben...	8.945	216	115936	20.753	ng	99
41) Hexachlorocyclopentadiene	8.934	237	34729	18.691	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	75161	20.817	ng	98

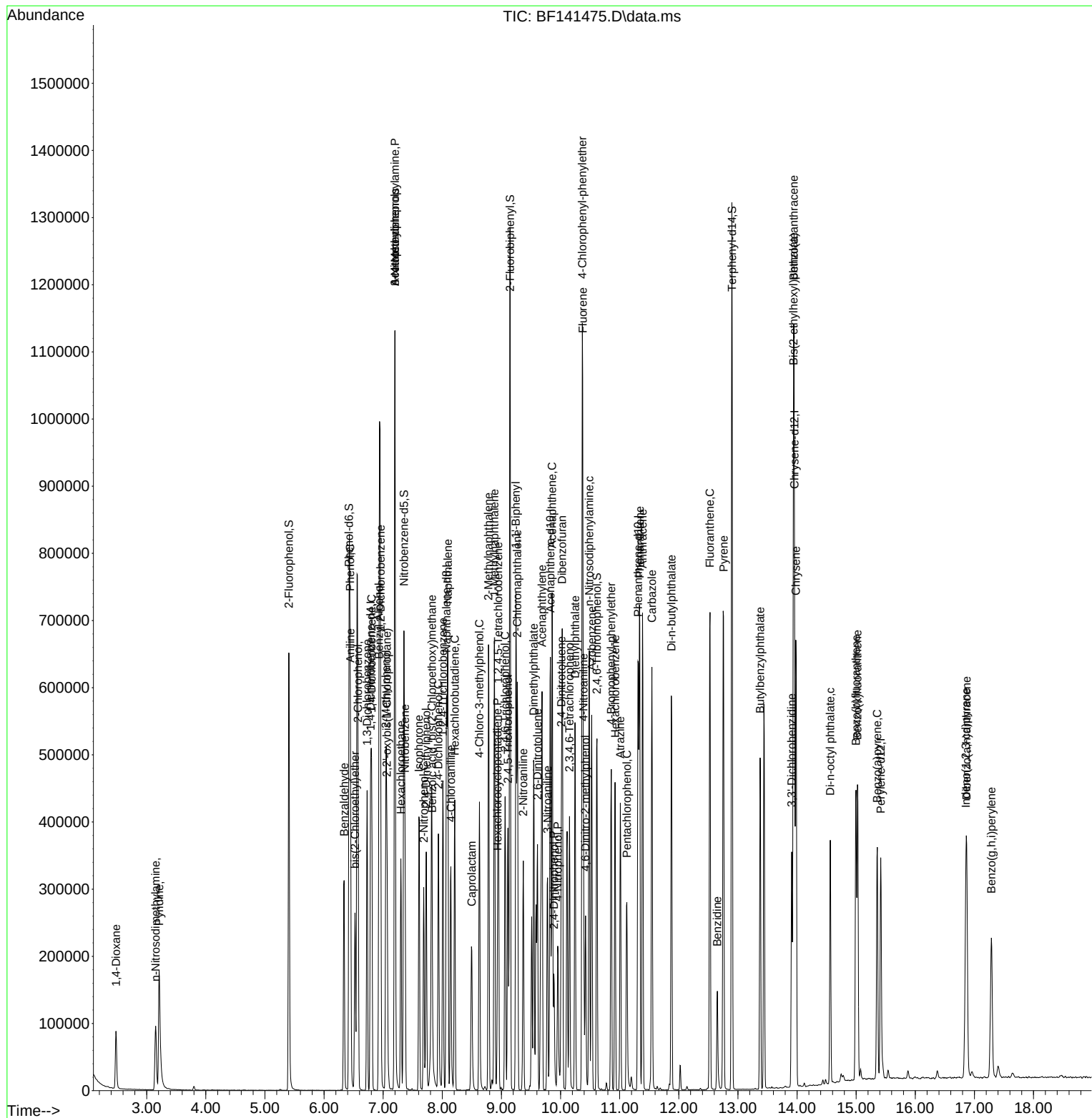
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 Acq On : 06 Feb 2025 12:26
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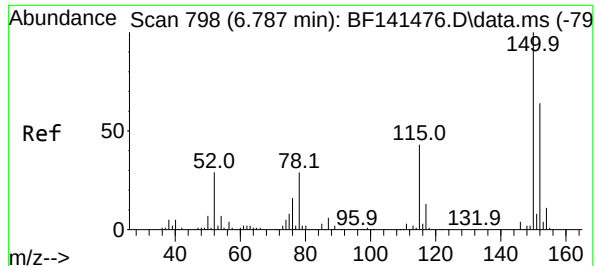
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	83112	21.240	ng	97
46) 1,1'-Biphenyl	9.245	154	315040	21.045	ng	99
47) 2-Chloronaphthalene	9.269	162	233789	21.119	ng	99
48) 2-Nitroaniline	9.369	65	75990	20.455	ng	99
49) Acenaphthylene	9.687	152	345829	21.004	ng	99
50) Dimethylphthalate	9.545	163	271920	20.744	ng	100
51) 2,6-Dinitrotoluene	9.610	165	60700	21.182	ng	98
52) Acenaphthene	9.857	154	229442m	20.728	ng	
53) 3-Nitroaniline	9.781	138	64626	20.954	ng	96
54) 2,4-Dinitrophenol	9.887	184	32186	18.898	ng	98
55) Dibenzofuran	10.028	168	342620	21.087	ng	100
56) 4-Nitrophenol	9.951	139	47721	20.843	ng	96
57) 2,4-Dinitrotoluene	10.016	165	79865	20.936	ng	95
58) Fluorene	10.375	166	265810	21.159	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	69328	20.579	ng	100
60) Diethylphthalate	10.245	149	270018	20.936	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	127216	21.049	ng	97
62) 4-Nitroaniline	10.387	138	64262	20.519	ng	98
63) Azobenzene	10.528	77	267372	20.853	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	46877	20.226	ng	99
66) n-Nitrosodiphenylamine	10.487	169	224776	21.045	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	78167	20.962	ng	97
68) Hexachlorobenzene	10.922	284	80301	20.913	ng	97
69) Atrazine	11.010	200	71359	22.271	ng	97
70) Pentachlorophenol	11.122	266	50539	20.584	ng	98
71) Phenanthrene	11.339	178	387256	21.085	ng	99
72) Anthracene	11.386	178	386414	20.930	ng	100
73) Carbazole	11.545	167	358987	21.610	ng	99
74) Di-n-butylphthalate	11.875	149	408041	21.273	ng	100
75) Fluoranthene	12.528	202	414712	21.298	ng	99
77) Benzidine	12.651	184	84013	15.132	ng	98
78) Pyrene	12.757	202	432216	20.169	ng	99
80) Butylbenzylphthalate	13.375	149	152184	20.502	ng	99
81) Benzo(a)anthracene	13.945	228	339877	20.310	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	102367	21.355	ng	98
83) Chrysene	13.980	228	330823	21.411	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	172352	20.588	ng	99
85) Di-n-octyl phthalate	14.563	149	229060	19.180	ng	99
87) Indeno(1,2,3-cd)pyrene	16.857	276	227105	19.200	ng	99
88) Benzo(b)fluoranthene	14.998	252	267695	20.826	ng	100
89) Benzo(k)fluoranthene	15.022	252	238695	21.747	ng	97
90) Benzo(a)pyrene	15.357	252	213510	20.528	ng	100
91) Dibenzo(a,h)anthracene	16.868	278	185740	19.379	ng	98
92) Benzo(g,h,i)perylene	17.286	276	191595	19.103	ng	99

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

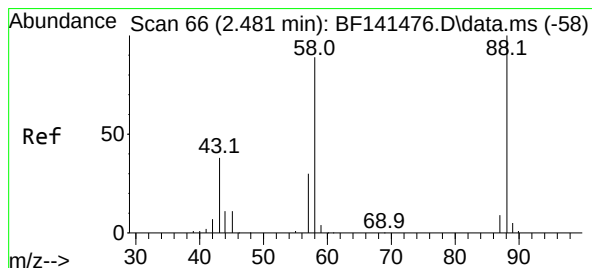
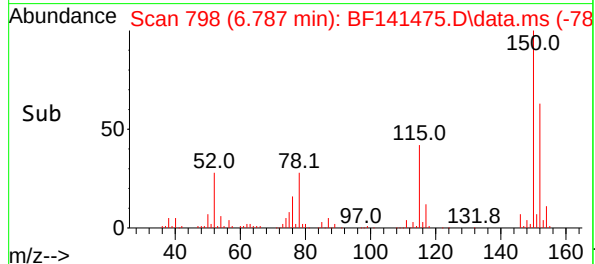
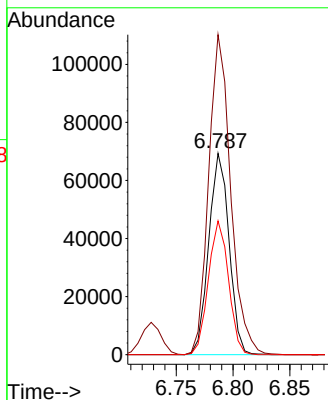
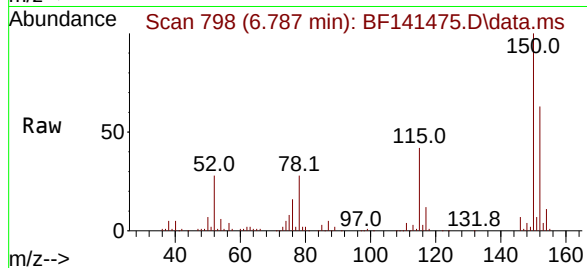
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





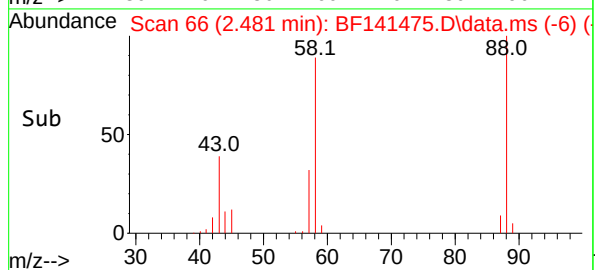
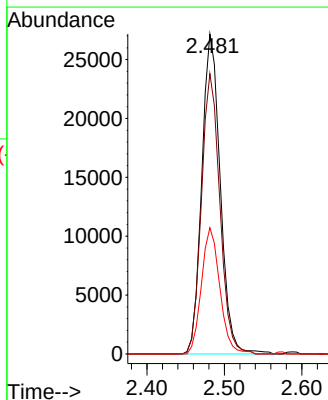
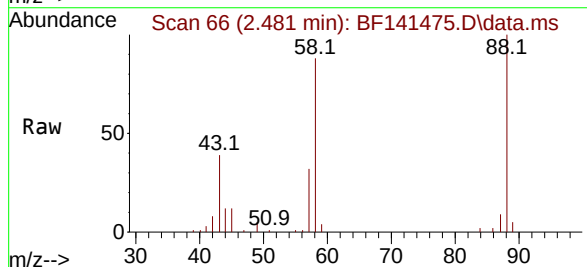
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

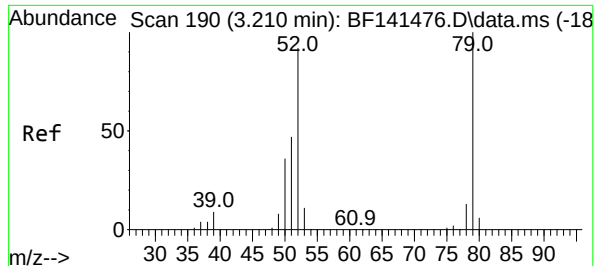
Tgt Ion:152 Resp: 86149
Ion Ratio Lower Upper
152 100
150 159.0 125.0 187.4
115 66.4 53.6 80.4



#2
1,4-Dioxane
Concen: 20.359 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

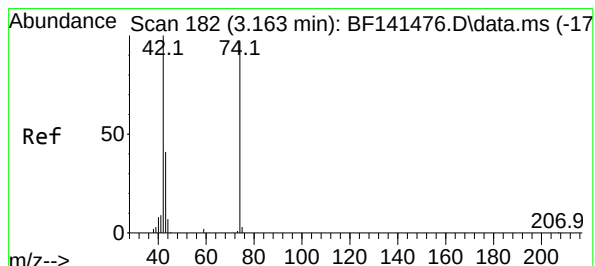
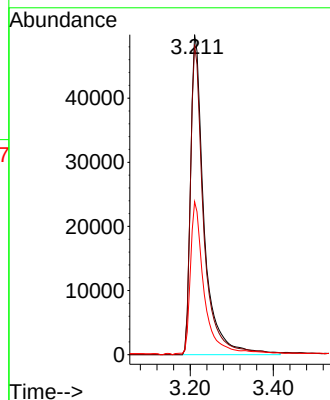
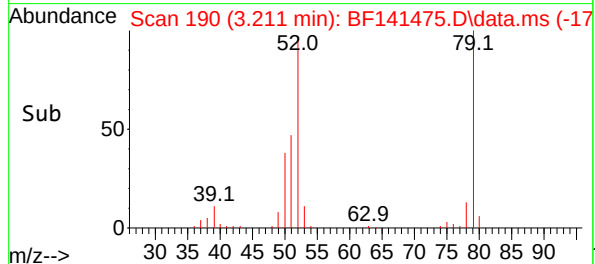
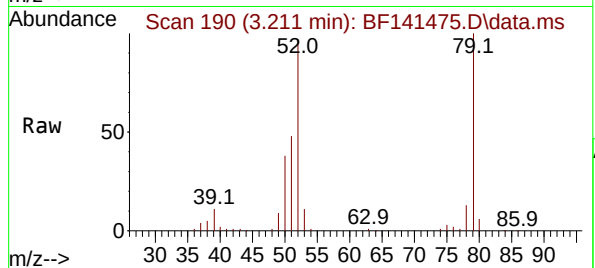
Tgt Ion: 88 Resp: 45027
Ion Ratio Lower Upper
88 100
58 87.1 71.1 106.7
43 39.2 30.6 46.0





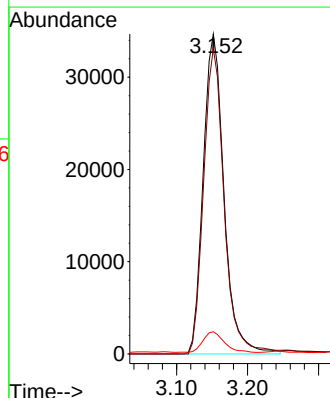
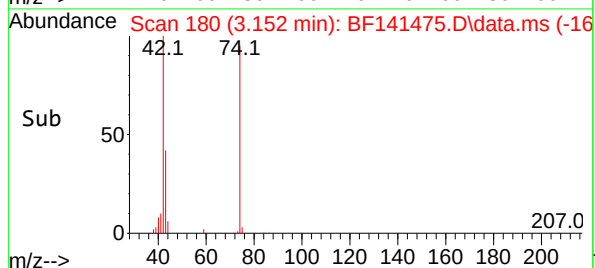
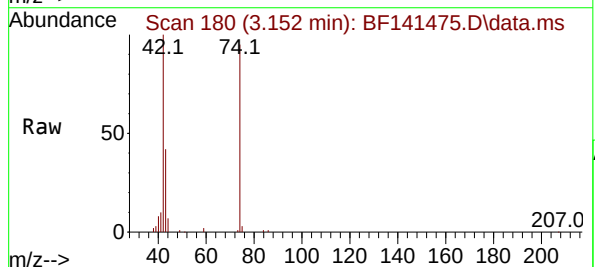
#3
Pyridine
Concen: 21.453 ng
RT: 3.211 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

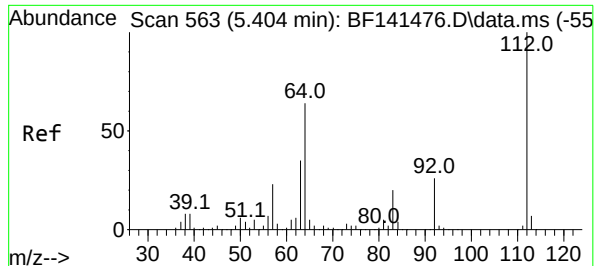
Tgt Ion: 79 Resp: 112903
Ion Ratio Lower Upper
79 100
52 96.9 73.7 110.5
51 47.8 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 20.276 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.035 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

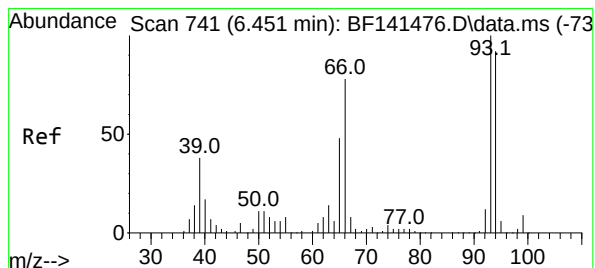
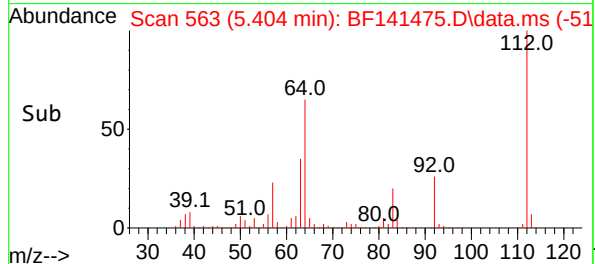
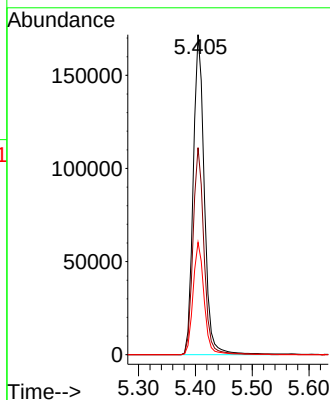
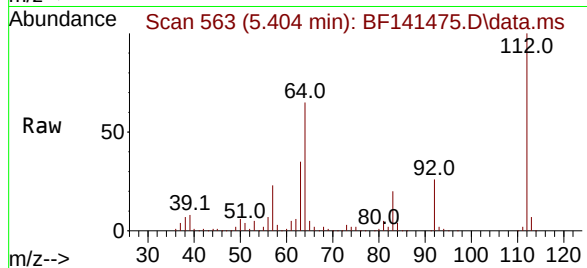
Tgt Ion: 42 Resp: 70658
Ion Ratio Lower Upper
42 100
74 95.4 78.0 117.0
44 7.0 5.4 8.2





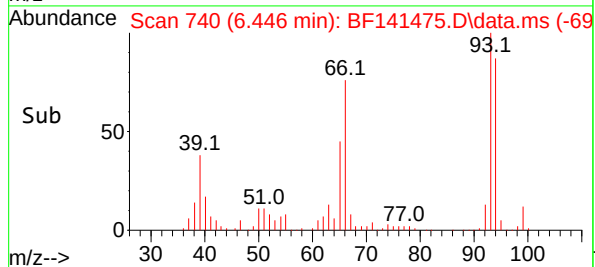
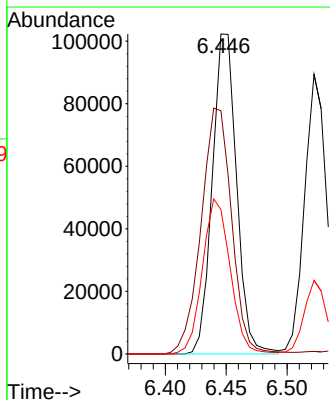
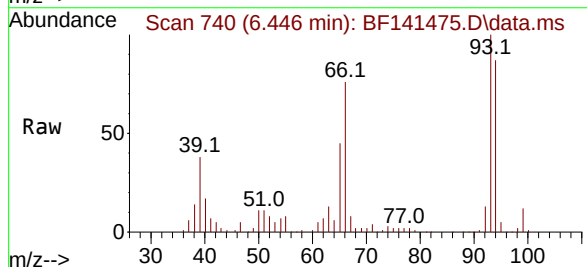
#5
2-Fluorophenol
Concen: 42.785 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

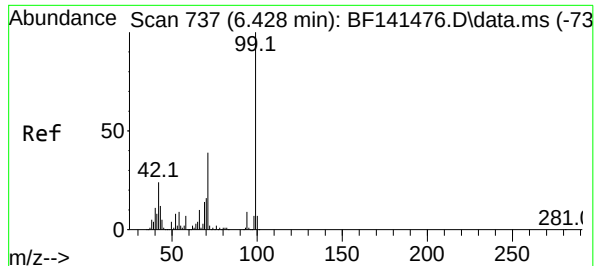
Tgt Ion: 112 Resp: 235106
Ion Ratio Lower Upper
112 100
64 64.7 51.1 76.7
63 35.1 28.4 42.6



#6
Aniline
Concen: 21.820 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

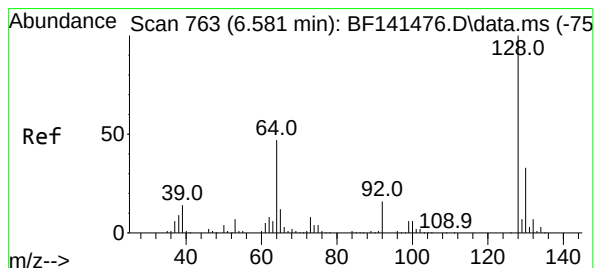
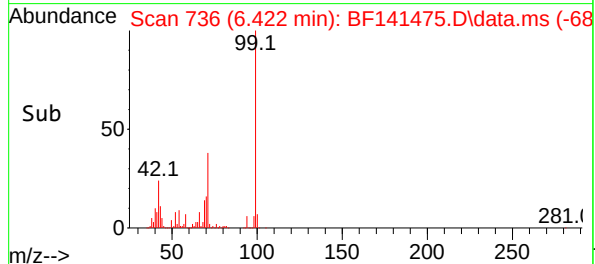
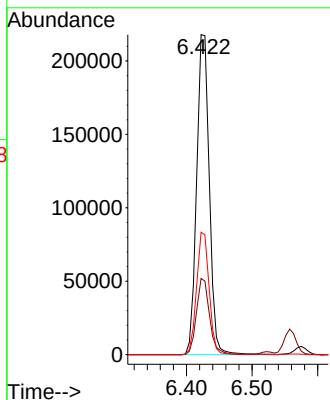
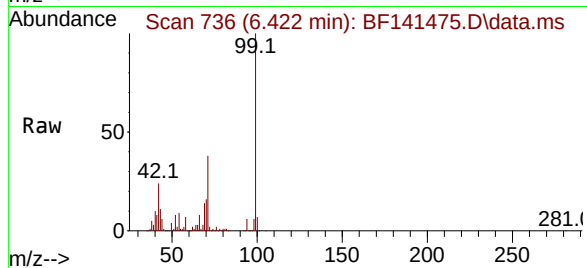
Tgt Ion: 93 Resp: 142156
Ion Ratio Lower Upper
93 100
66 76.0 62.6 94.0
65 45.1 38.3 57.5





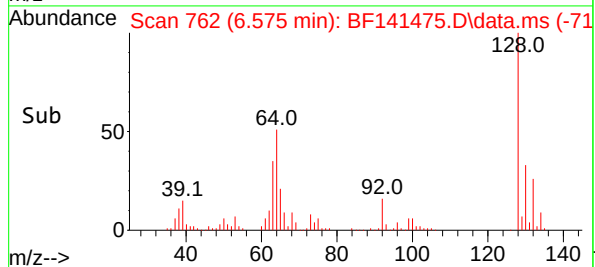
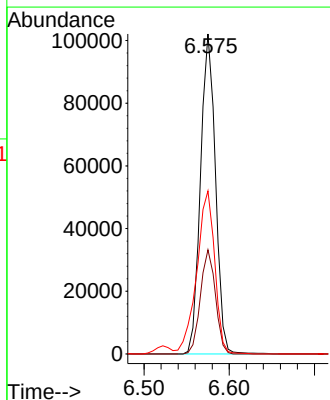
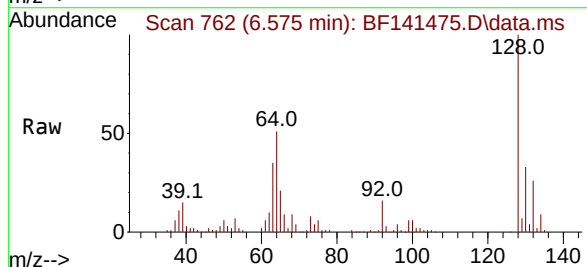
#7
Phenol-d6
Concen: 42.273 ng
RT: 6.422 min Scan# 736
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

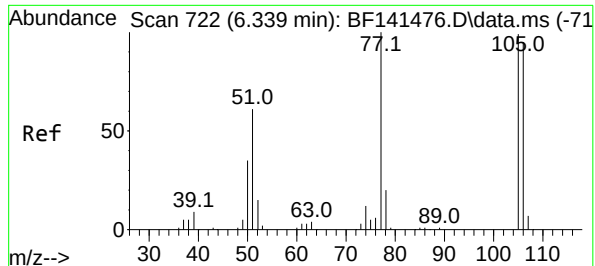
Tgt Ion: 99 Resp: 293602
Ion Ratio Lower Upper
99 100
42 23.8 19.1 28.7
71 38.2 31.1 46.7



#8
2-Chlorophenol
Concen: 20.980 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

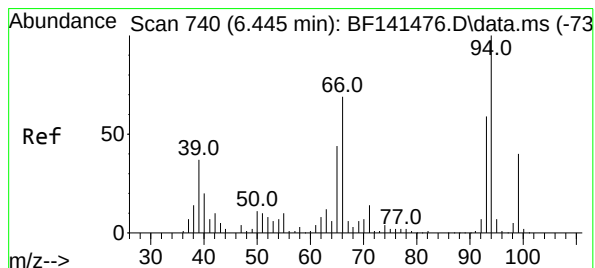
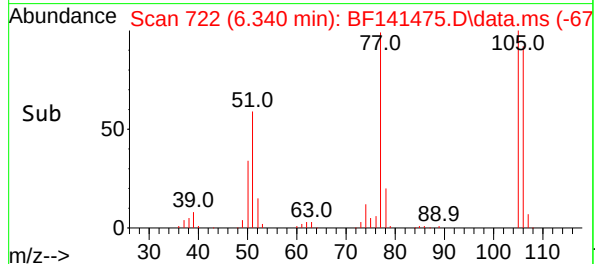
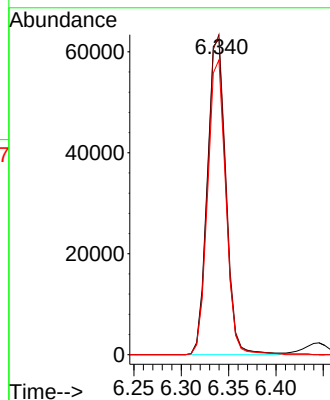
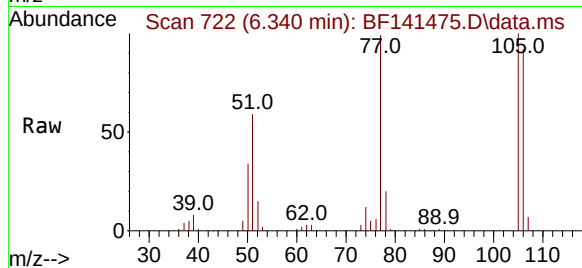
Tgt Ion: 128 Resp: 124573
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 50.9 28.3 68.3





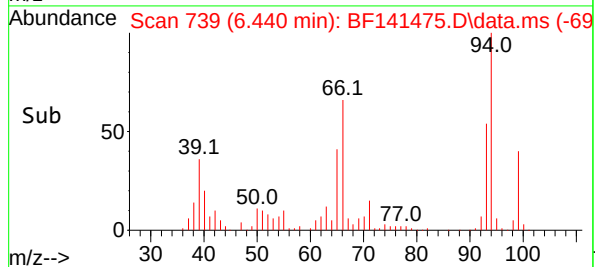
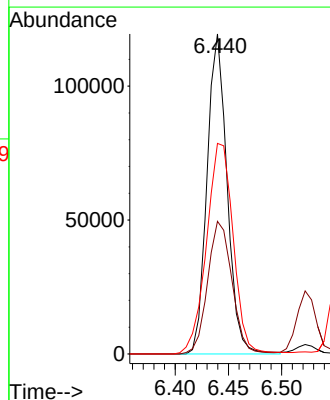
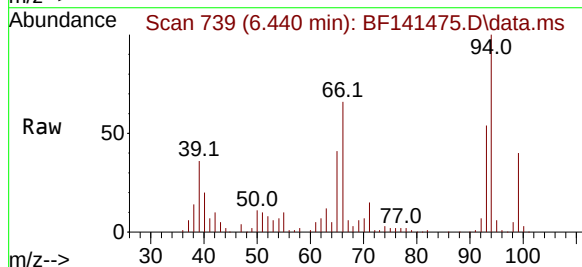
#9
Benzaldehyde
Concen: 22.903 ng
RT: 6.340 min Scan# 722
Delta R.T. 0.001 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

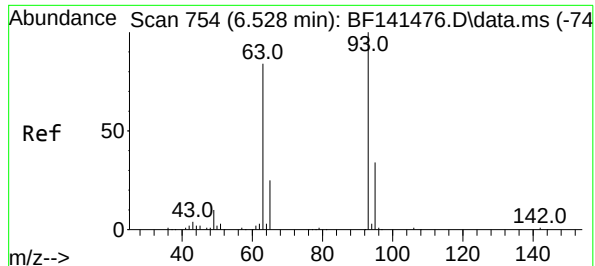
Tgt Ion:	77	Resp:	84531
Ion	Ratio	Lower	Upper
77	100		
105	101.4	79.4	119.4
106	93.4	75.1	115.1



#10
Phenol
Concen: 21.652 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

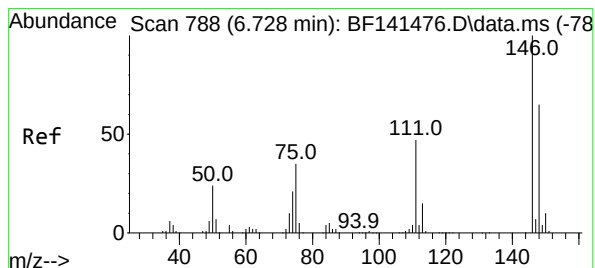
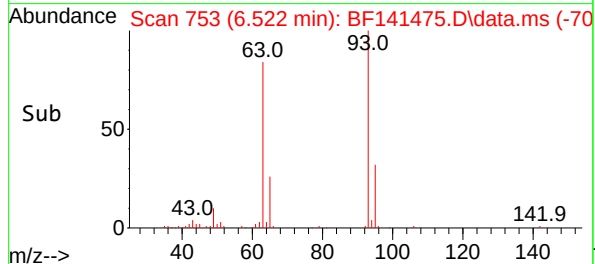
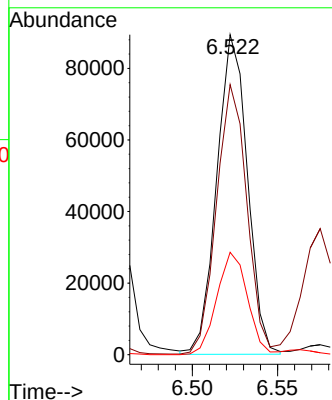
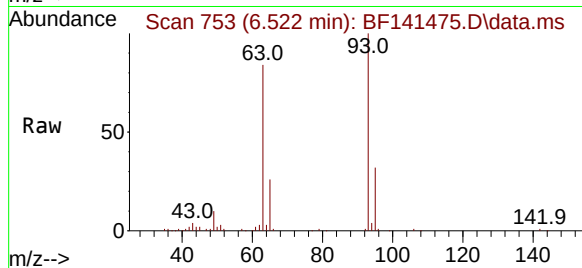
Tgt Ion:	94	Resp:	156515
Ion	Ratio	Lower	Upper
94	100		
65	41.5	23.7	63.7
66	65.8	49.3	89.3





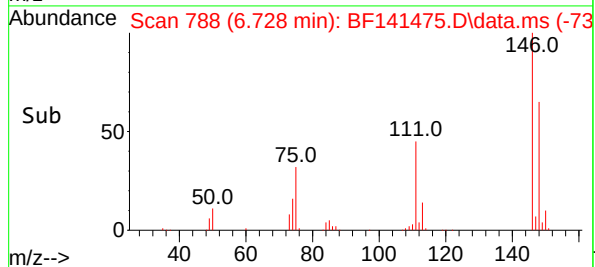
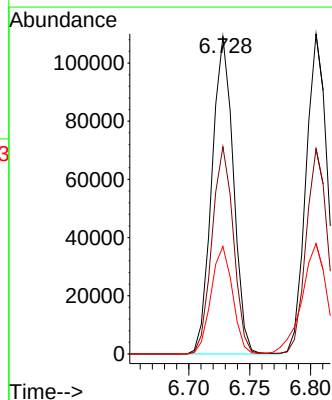
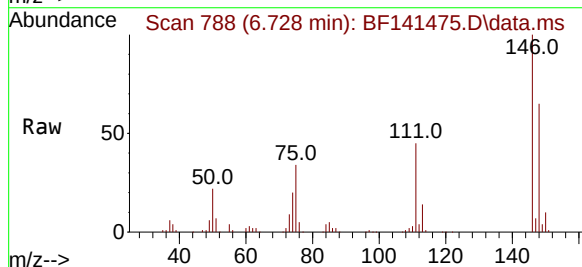
#11
bis(2-Chloroethyl)ether
Concen: 20.568 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

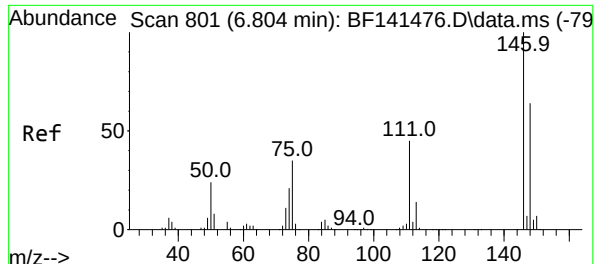
Tgt Ion: 93 Resp: 111675
Ion Ratio Lower Upper
93 100
63 84.4 62.0 102.0
95 32.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 21.362 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 146 Resp: 133906
Ion Ratio Lower Upper
146 100
148 65.3 51.9 77.9
75 33.8 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 21.134 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

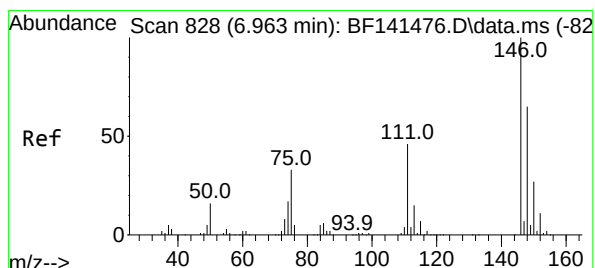
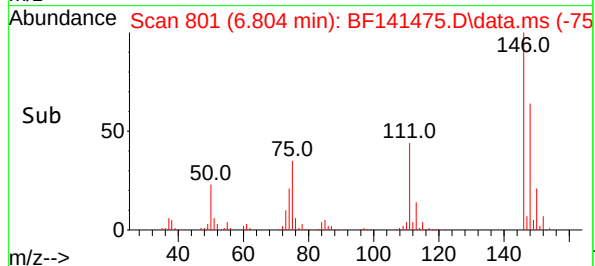
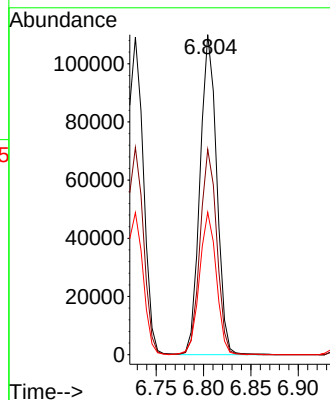
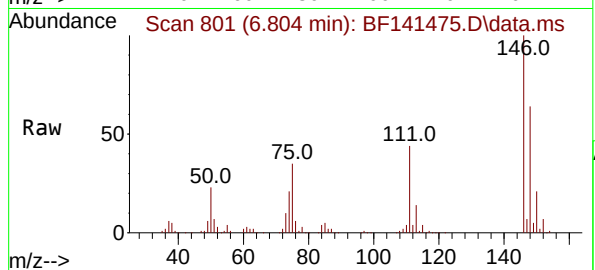
Tgt Ion:146 Resp: 135357

Ion Ratio Lower Upper

146 100

148 64.2 50.9 76.3

111 44.5 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 21.354 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

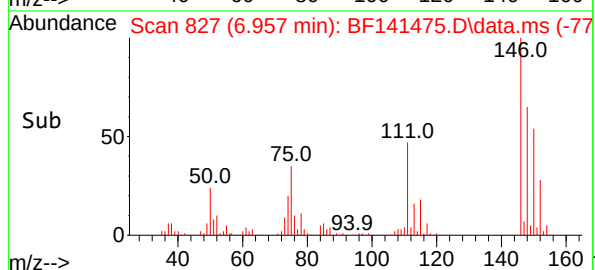
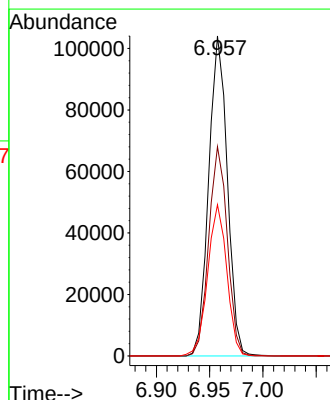
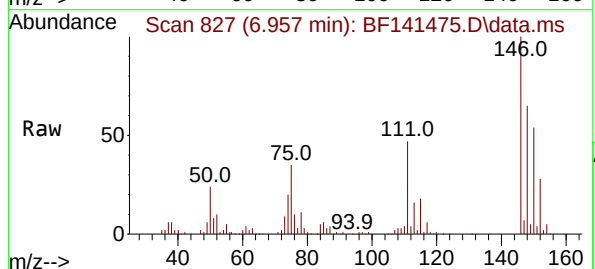
Tgt Ion:146 Resp: 126931

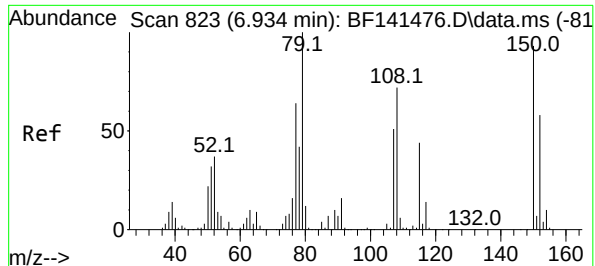
Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.6

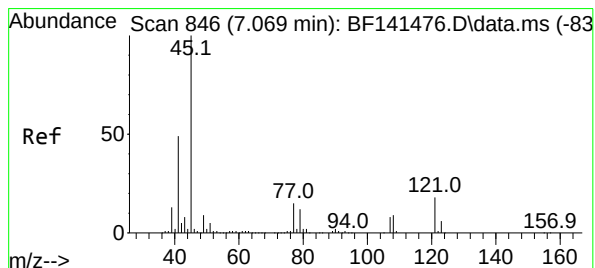
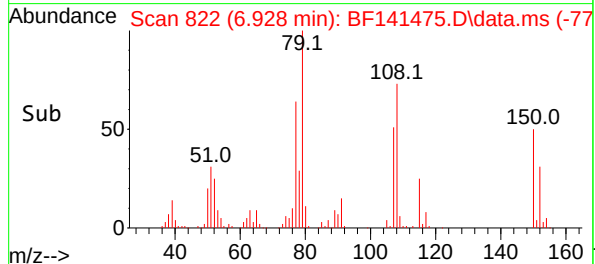
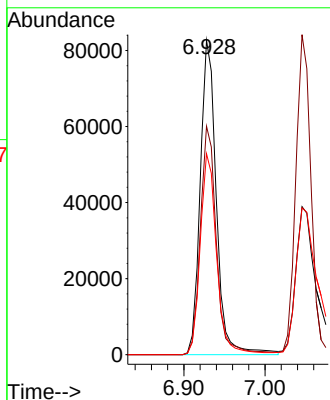
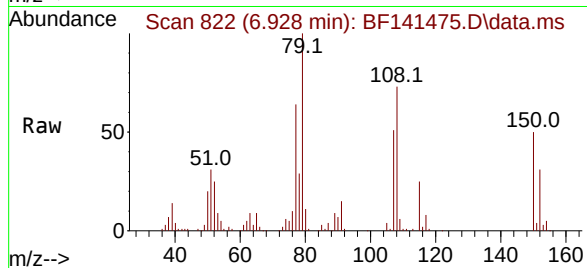
111 47.3 37.0 55.4





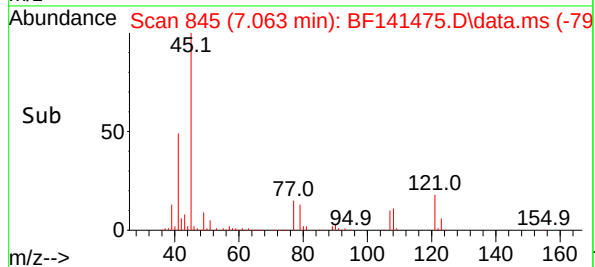
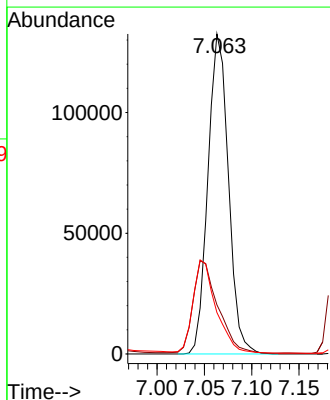
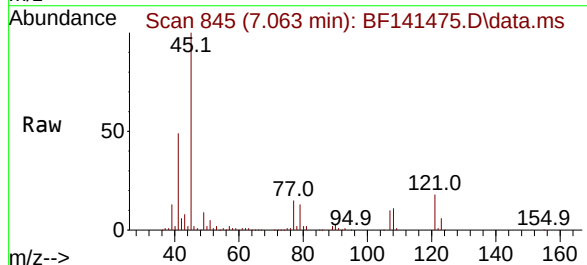
#15
Benzyl Alcohol
Concen: 21.386 ng
RT: 6.928 min Scan# 822
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

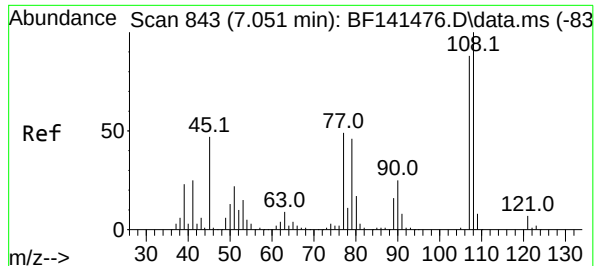
Tgt Ion: 79 Resp: 113901
Ion Ratio Lower Upper
79 100
108 72.6 57.4 86.2
77 63.9 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.441 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

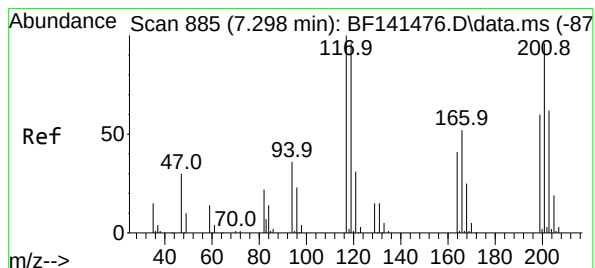
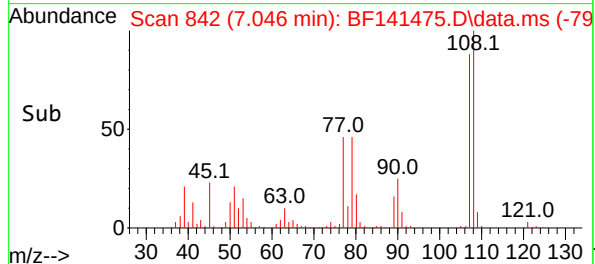
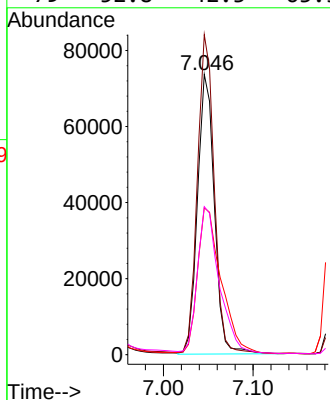
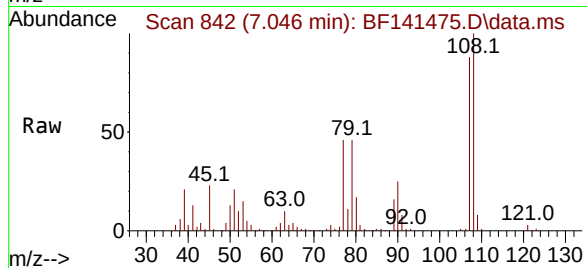
Tgt Ion: 45 Resp: 199281
Ion Ratio Lower Upper
45 100
77 15.3 0.0 35.8
79 12.9 0.0 32.7





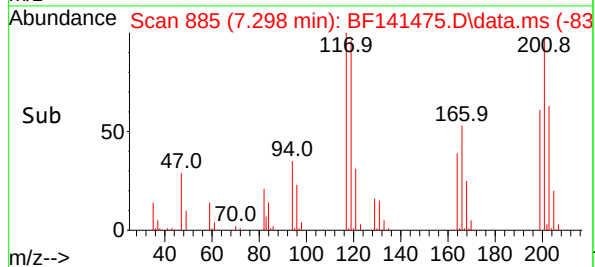
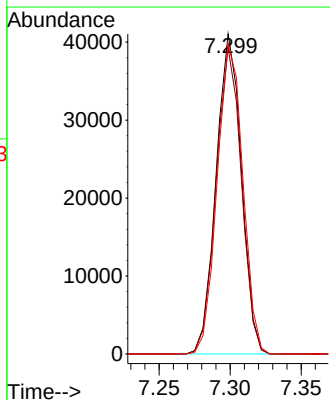
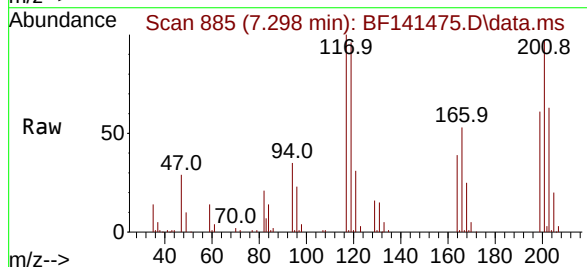
#17
2-Methylphenol
Concen: 20.792 ng
RT: 7.046 min Scan# 842
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

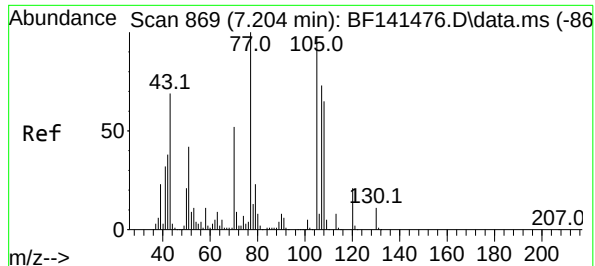
Tgt Ion:	107	Resp:	96607
Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	52.4	44.4	66.6
79	52.8	42.3	63.5



#18
Hexachloroethane
Concen: 21.409 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:	117	Resp:	50745
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
201	97.0	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 21.546 ng

RT: 7.199 min Scan# 868

Delta R.T. -0.017 min

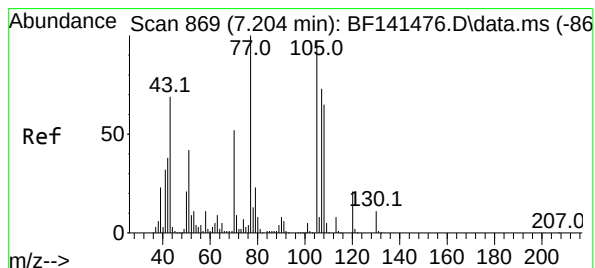
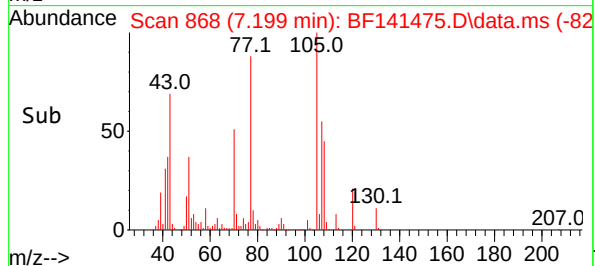
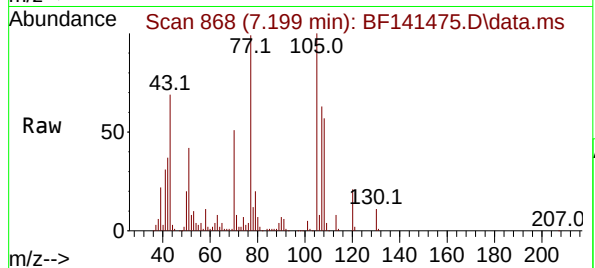
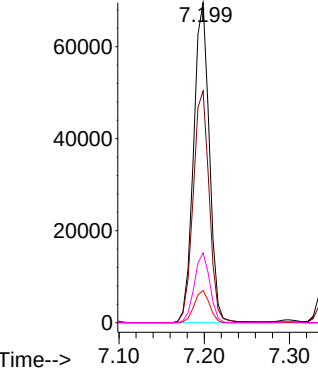
Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion: 70 Resp: 89512

Ion	Ratio	Lower	Upper
70	100		
42	72.4	57.4	86.2
101	10.0	8.0	12.0
130	21.9	16.9	25.3

Abundance



#20

3+4-Methylphenols

Concen: 21.287 ng

RT: 7.199 min Scan# 868

Delta R.T. -0.017 min

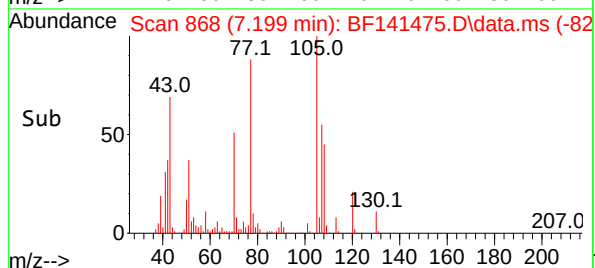
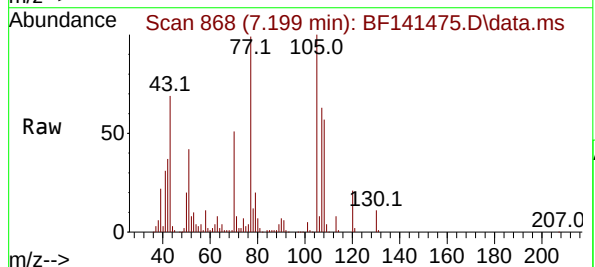
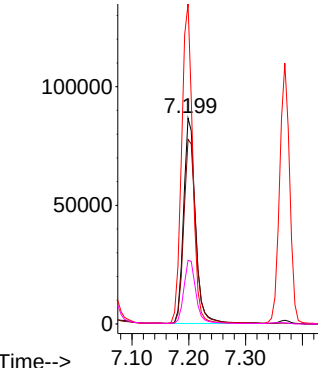
Lab File: BF141475.D

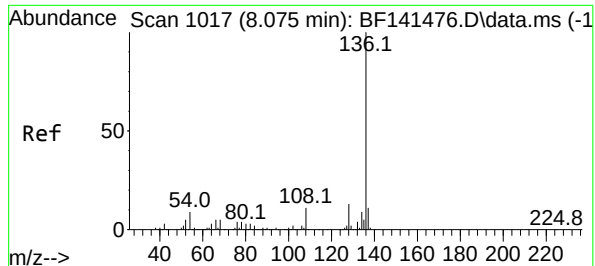
Acq: 06 Feb 2025 12:26

Tgt Ion: 107 Resp: 125707

Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.5	108.5
77	155.6	116.5	156.5
79	31.0	12.0	52.0

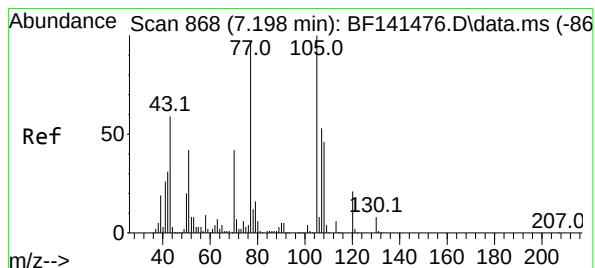
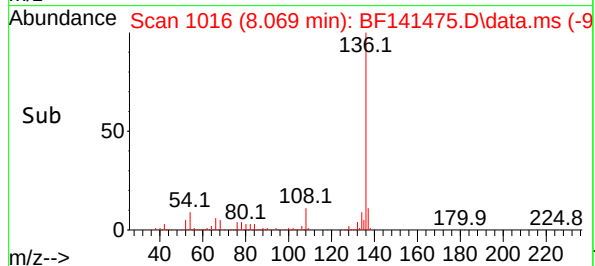
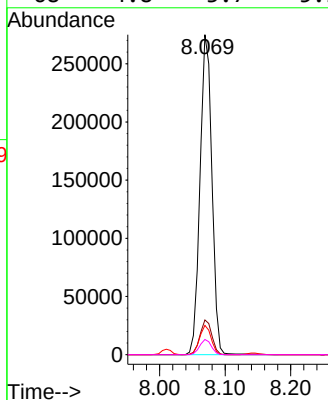
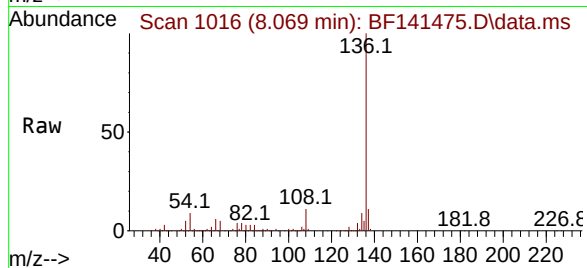
Abundance





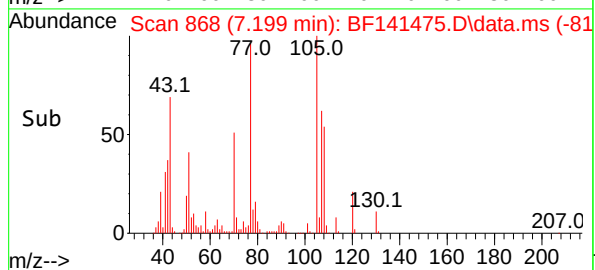
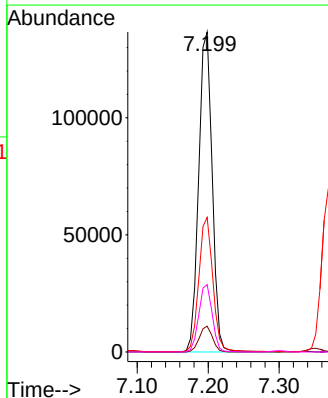
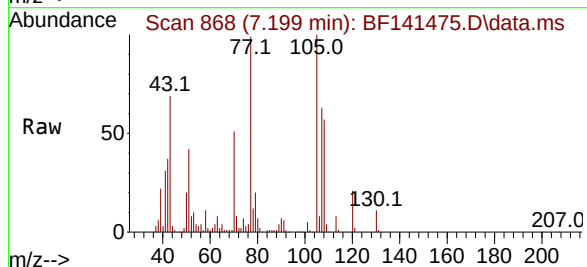
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

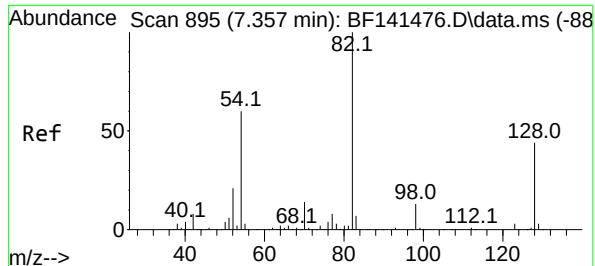
Tgt Ion:	136	Resp:	348017
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.8	3.7	5.5



#22
Acetophenone
Concen: 20.946 ng
RT: 7.199 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:	105	Resp:	181333
Ion Ratio	Lower	Upper	
105	100		
71	8.0	5.7	8.5
51	42.0	33.7	50.5
120	21.0	17.0	25.6





#23

Nitrobenzene-d5

Concen: 41.331 ng

RT: 7.351 min Scan# 894

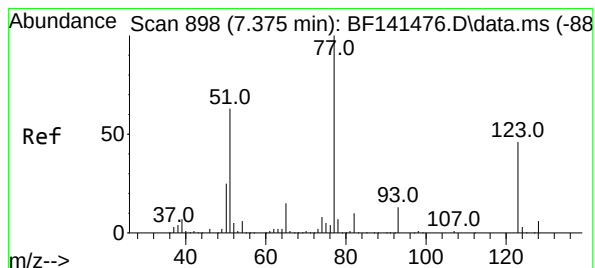
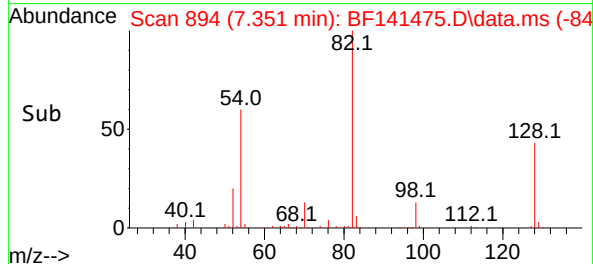
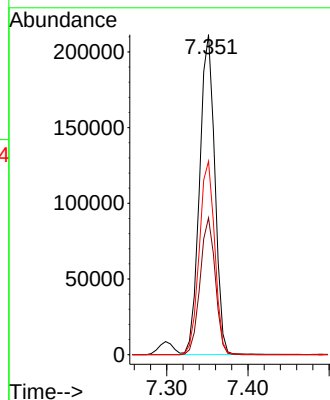
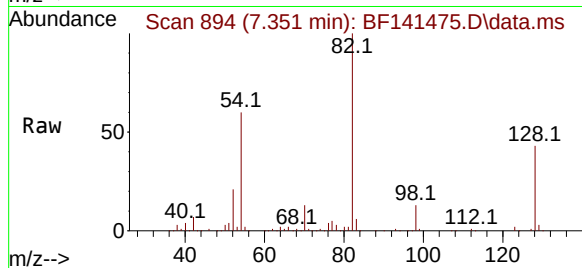
Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion: 82 Resp: 275773

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	60.5	48.2	72.4



#24

Nitrobenzene

Concen: 20.485 ng

RT: 7.369 min Scan# 897

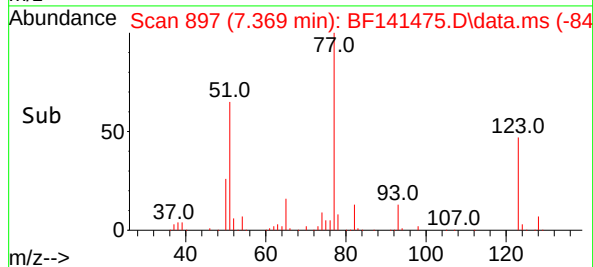
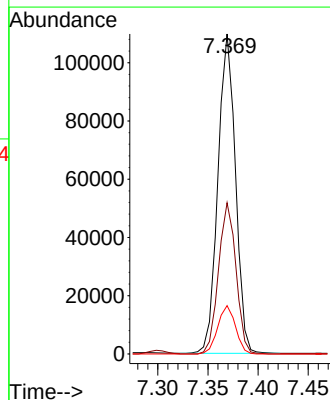
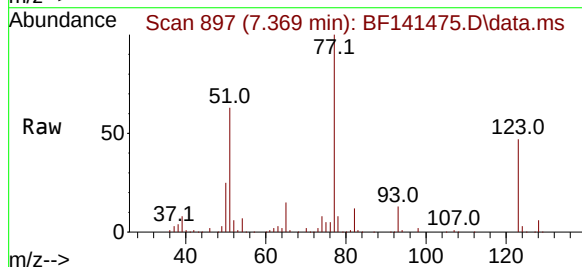
Delta R.T. -0.011 min

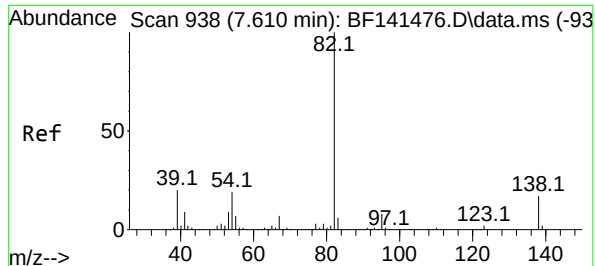
Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion: 77 Resp: 133285

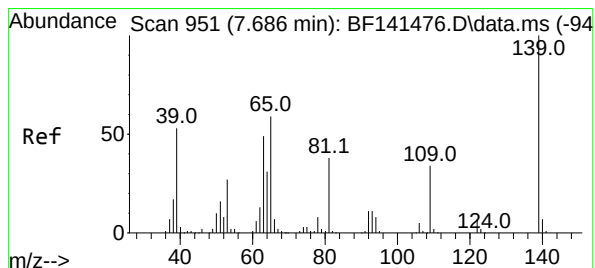
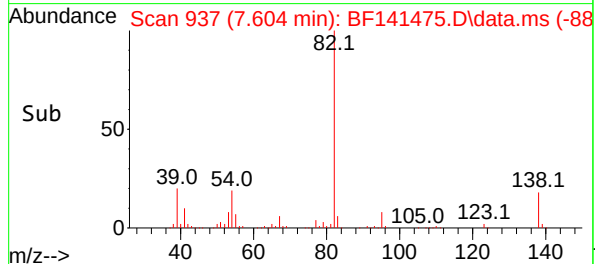
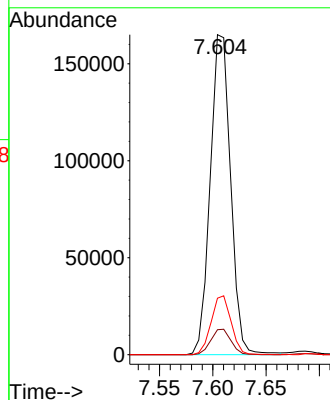
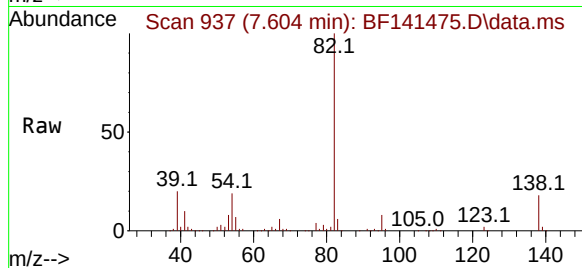
Ion	Ratio	Lower	Upper
77	100		
123	47.3	36.9	55.3
65	15.1	11.9	17.9





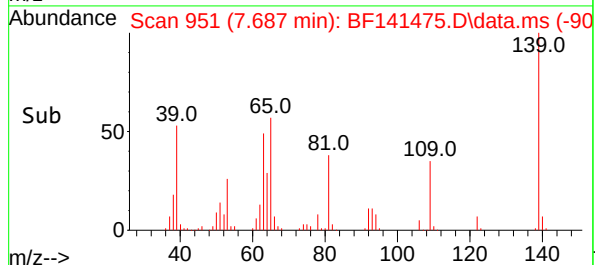
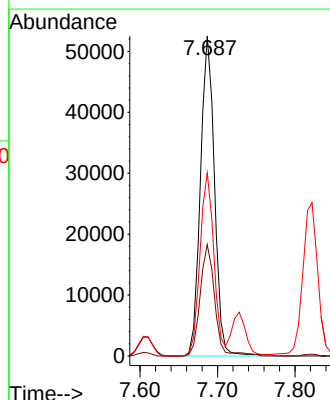
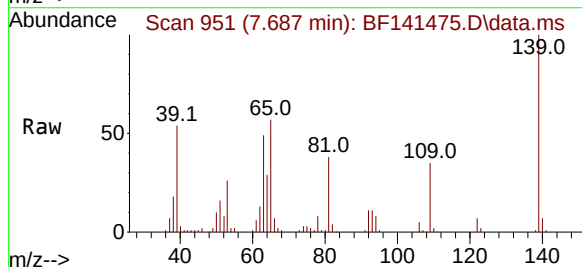
#25
Isophorone
Concen: 20.706 ng
RT: 7.604 min Scan# 937
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

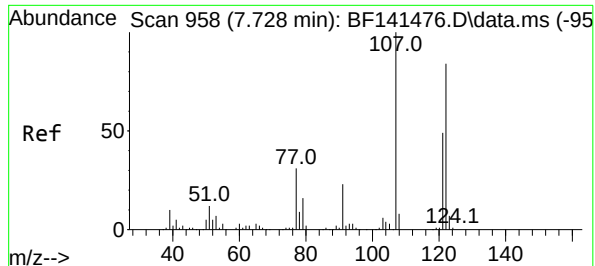
Tgt Ion	82	95	138
Ratio	100	7.8	17.6
Lower		6.4	13.9
Upper		9.6	20.9



#26
2-Nitrophenol
Concen: 20.449 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion	139	109	65
Ratio	100	34.8	57.2
Lower		27.0	47.1
Upper		40.6	70.7





#27

2,4-Dimethylphenol

Concen: 20.296 ng

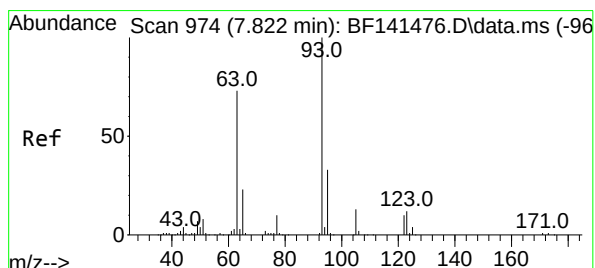
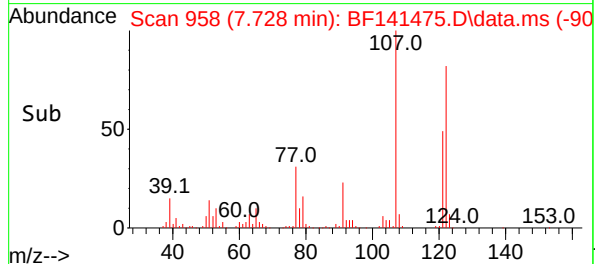
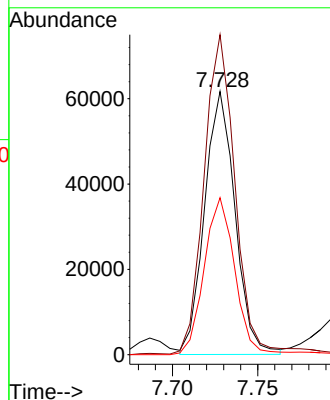
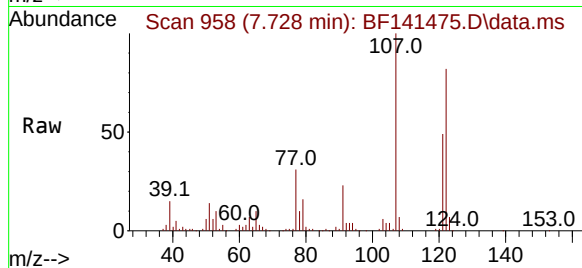
RT: 7.728 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:	122	Resp:	76751
Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.3	141.5
121	59.6	46.0	69.0



#28

bis(2-Chloroethoxy)methane

Concen: 20.852 ng

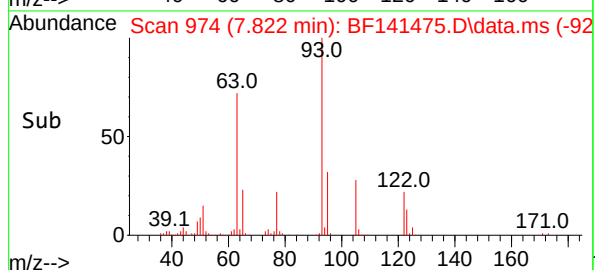
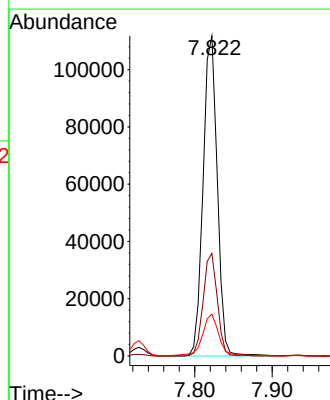
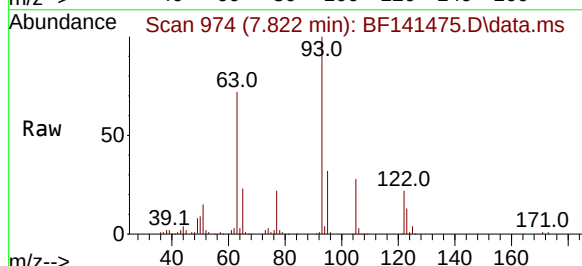
RT: 7.822 min Scan# 974

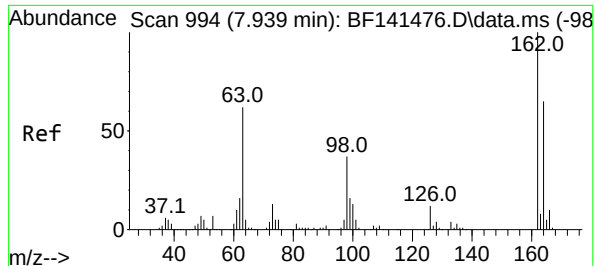
Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:	93	Resp:	142151
Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	13.0	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 21.227 ng

RT: 7.934 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

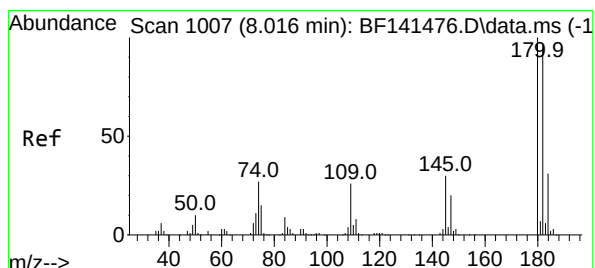
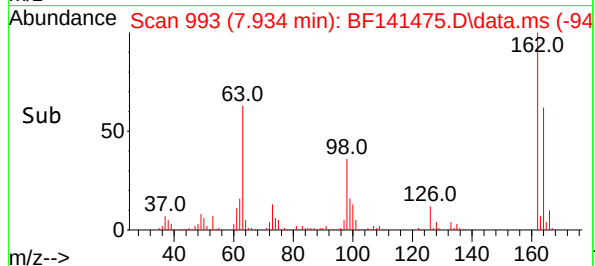
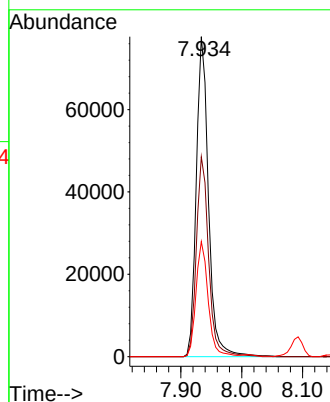
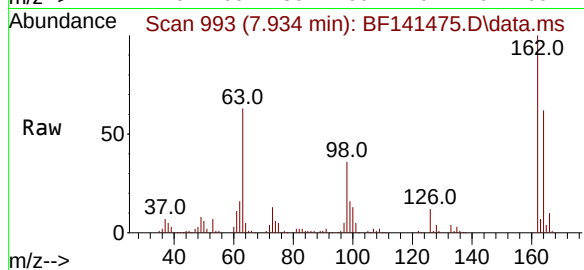
Tgt Ion:162 Resp: 108456

Ion Ratio Lower Upper

162 100

164 62.4 44.6 84.6

98 36.0 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 20.678 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

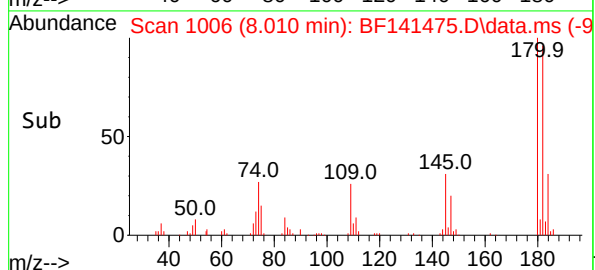
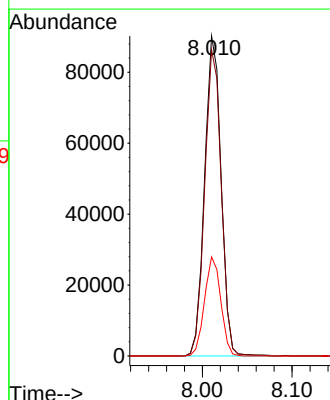
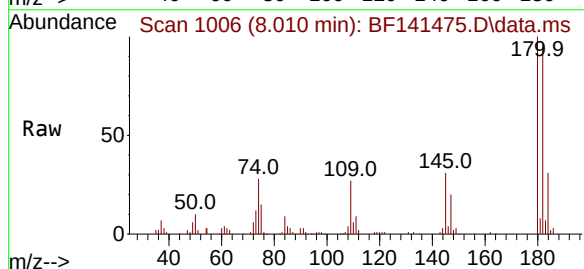
Tgt Ion:180 Resp: 115050

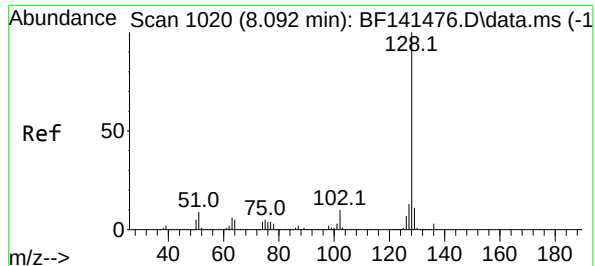
Ion Ratio Lower Upper

180 100

182 95.7 76.8 115.2

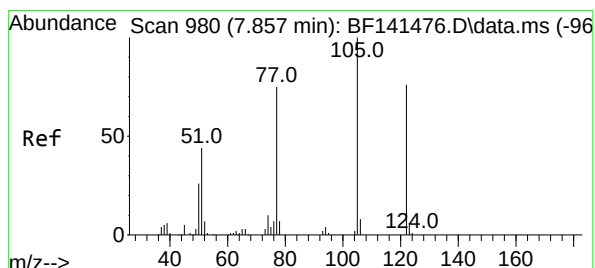
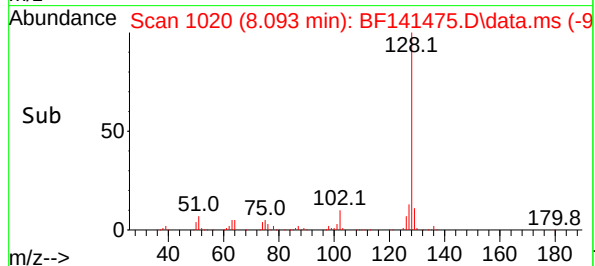
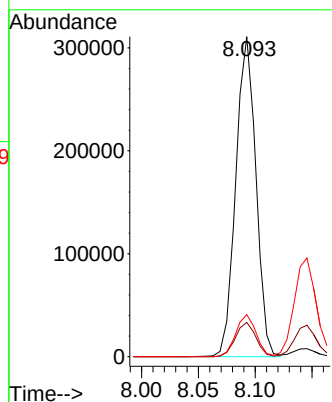
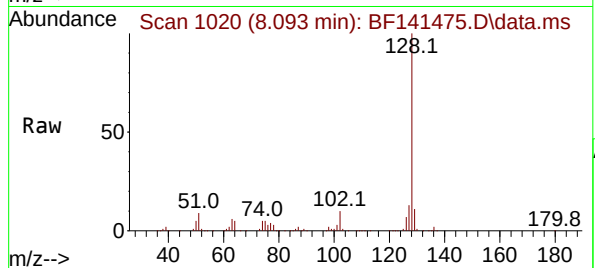
145 31.0 24.2 36.4





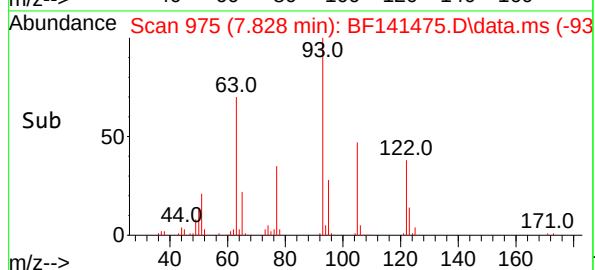
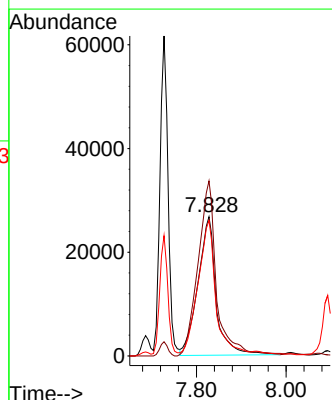
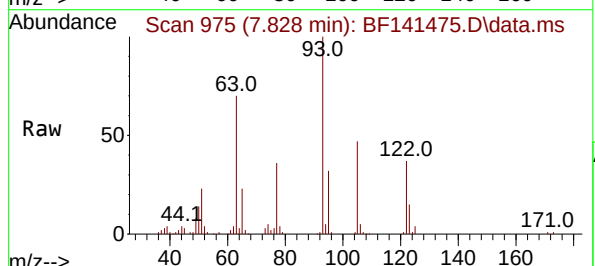
#31
Naphthalene
Concen: 21.062 ng
RT: 8.093 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

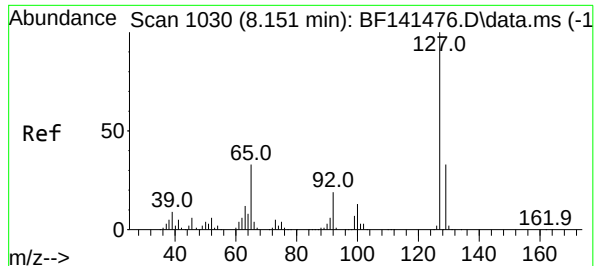
Tgt Ion:128 Resp: 381547
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 19.212 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

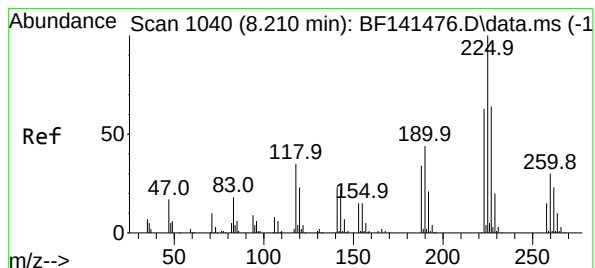
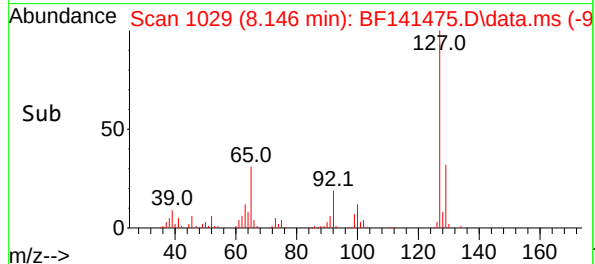
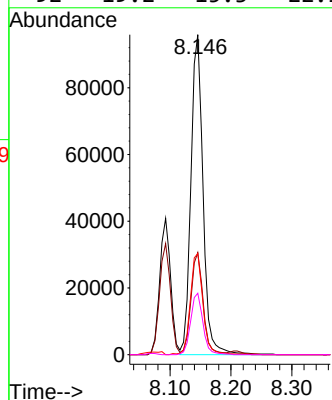
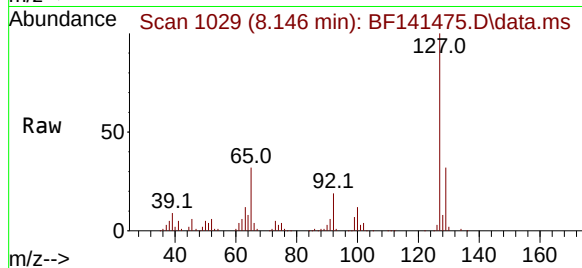
Tgt Ion:122 Resp: 75462
Ion Ratio Lower Upper
122 100
105 125.8 106.5 146.5
77 97.6 76.3 116.3





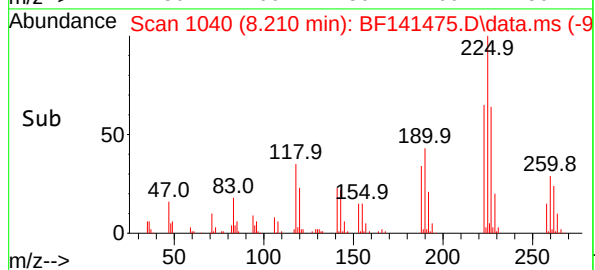
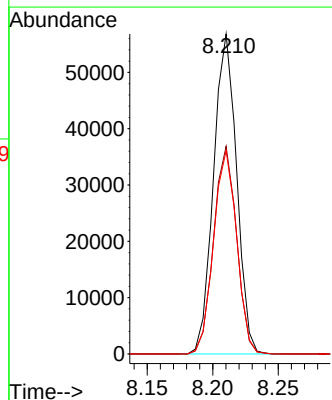
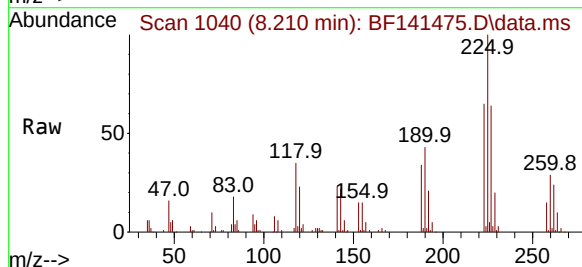
#33
4-Chloroaniline
Concen: 21.014 ng
RT: 8.146 min Scan# 1029
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

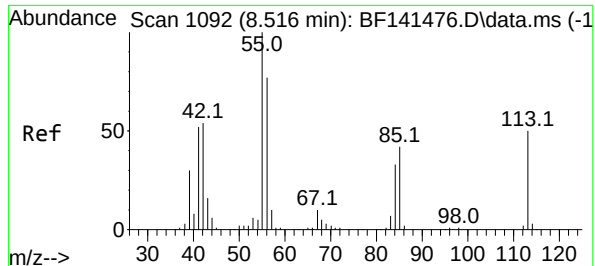
Tgt Ion:	127	Resp:	132911
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	31.6	26.4	39.6
92	19.2	15.3	22.9



#34
Hexachlorobutadiene
Concen: 20.804 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:	225	Resp:	69492
Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.1	75.1
227	63.5	51.0	76.6





#35

Caprolactam

Concen: 21.050 ng

RT: 8.498 min Scan# 1089

Delta R.T. -0.047 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

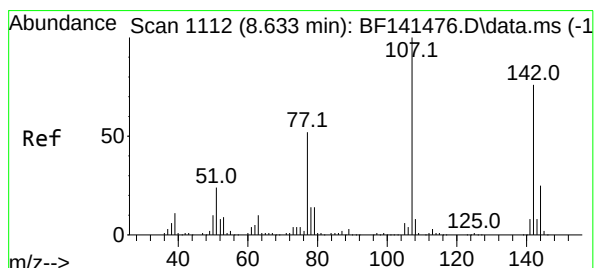
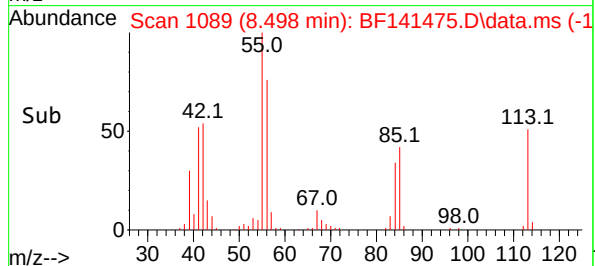
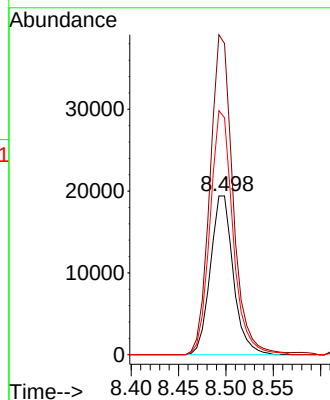
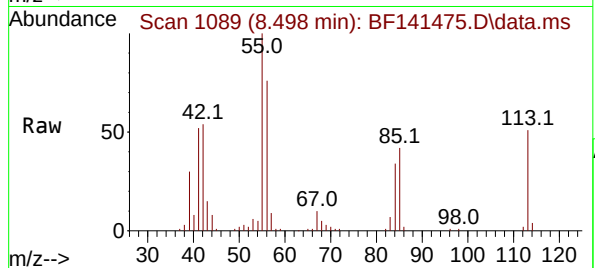
Tgt Ion:113 Resp: 32746

Ion Ratio Lower Upper

113 100

55 196.0 180.8 220.8

56 149.2 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 21.029 ng

RT: 8.628 min Scan# 1111

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

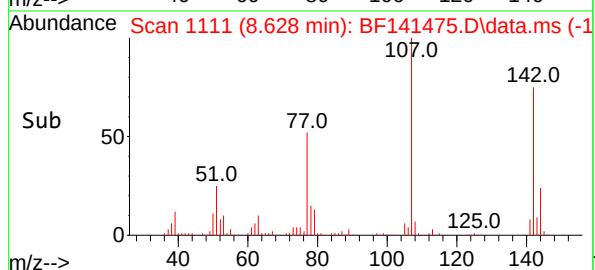
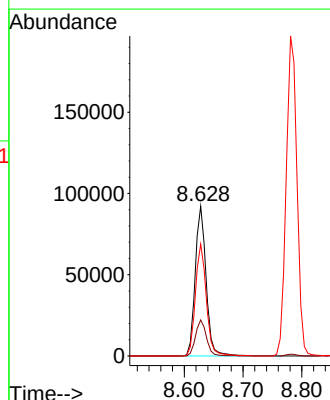
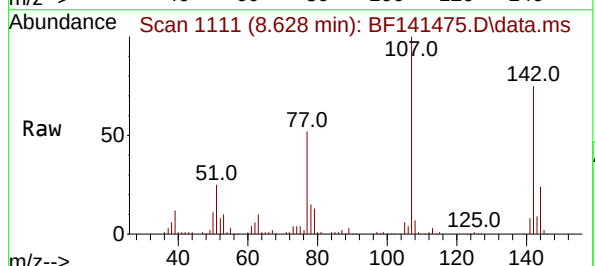
Tgt Ion:107 Resp: 119021

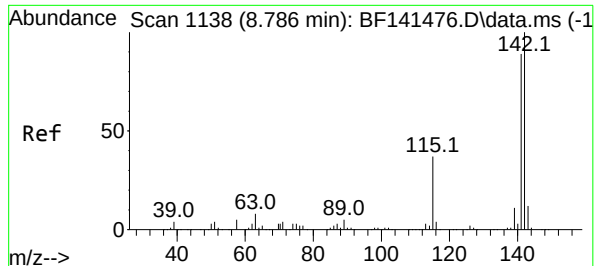
Ion Ratio Lower Upper

107 100

144 24.1 19.7 29.5

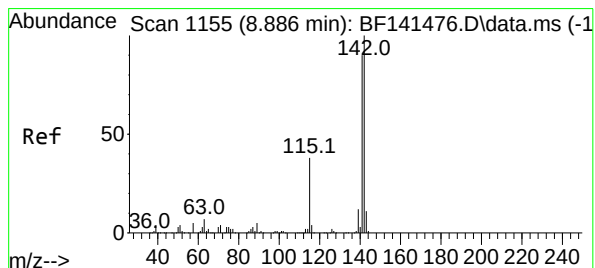
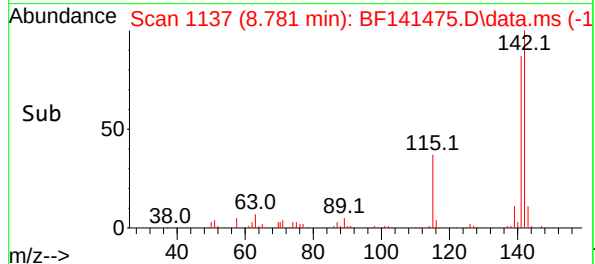
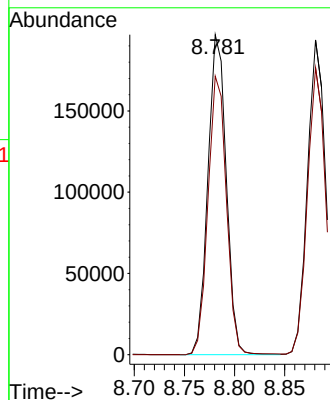
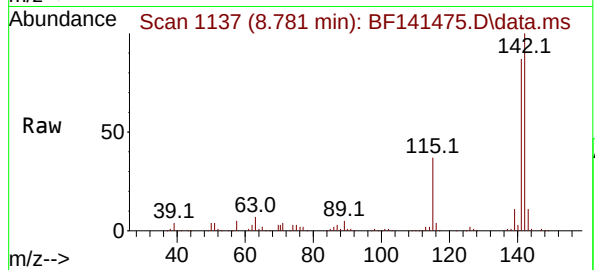
142 74.7 60.8 91.2





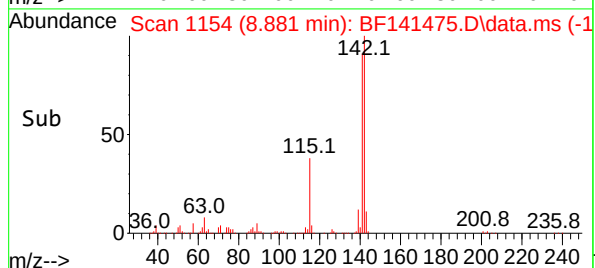
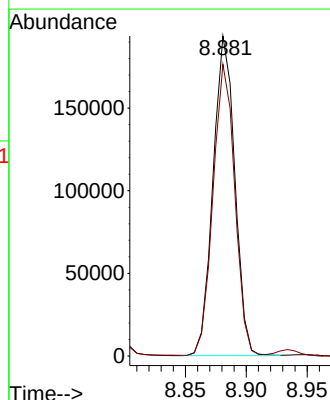
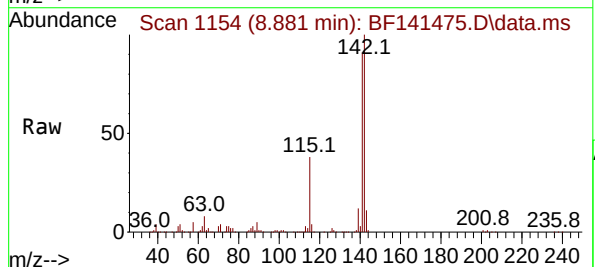
#37
2-Methylnaphthalene
Concen: 21.238 ng
RT: 8.781 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

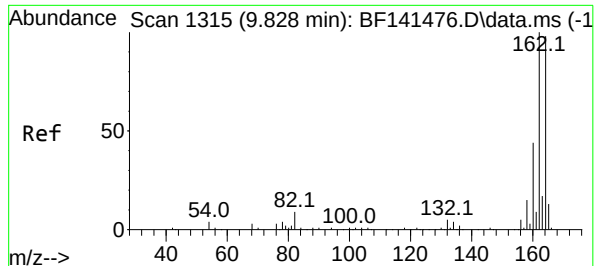
Tgt Ion:142 Resp: 250365
Ion Ratio Lower Upper
142 100
141 87.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 21.056 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:142 Resp: 240408
Ion Ratio Lower Upper
142 100
141 91.1 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

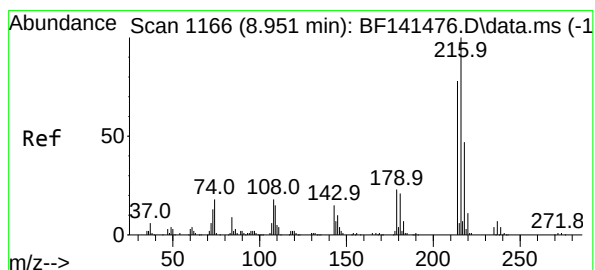
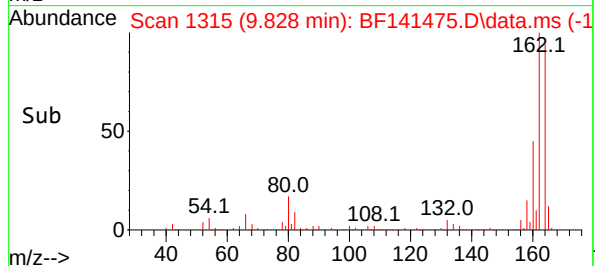
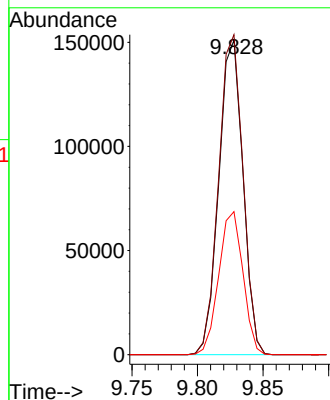
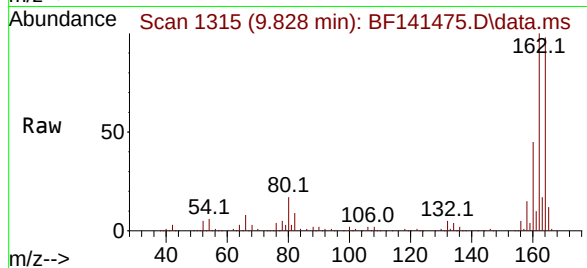
Tgt Ion:164 Resp: 193091

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

160 45.5 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.753 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:216 Resp: 115936

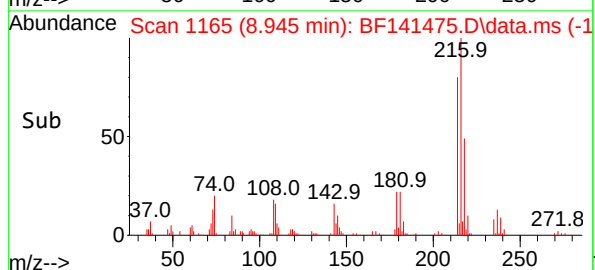
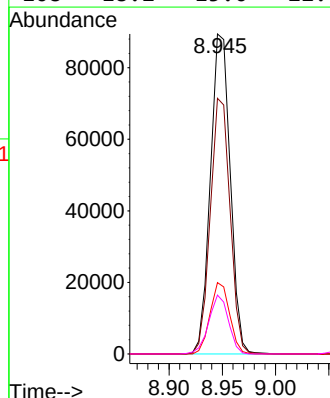
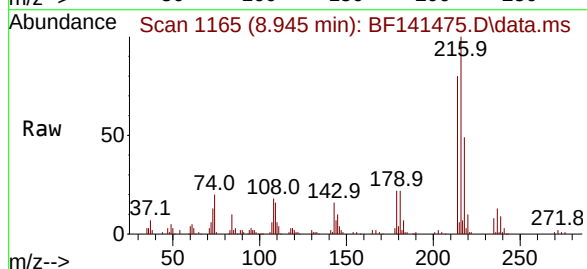
Ion Ratio Lower Upper

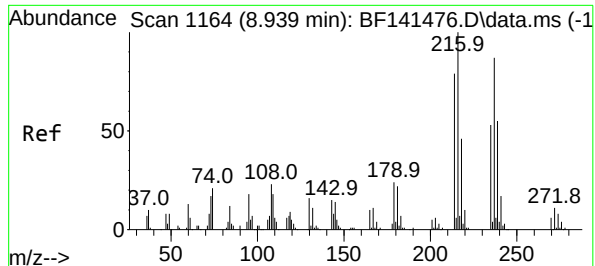
216 100

214 79.3 62.3 93.5

179 21.9 18.0 27.0

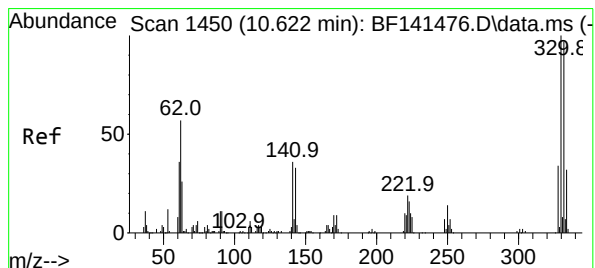
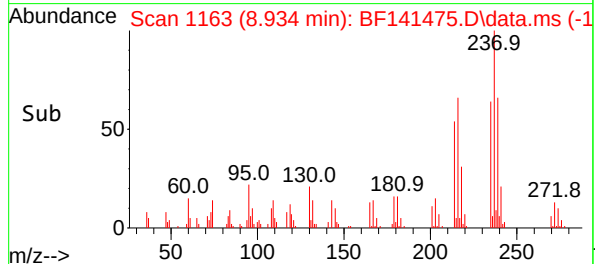
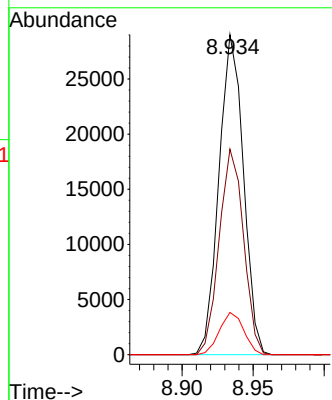
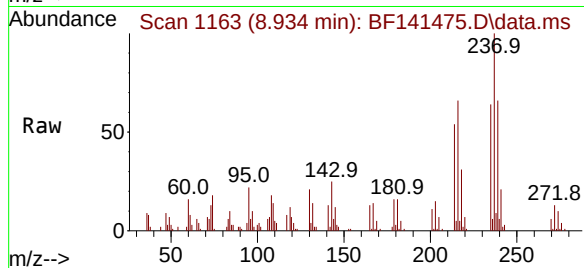
108 18.2 15.0 22.6





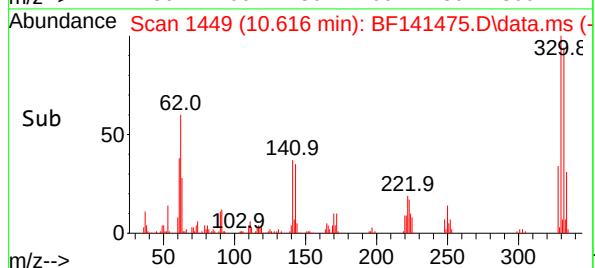
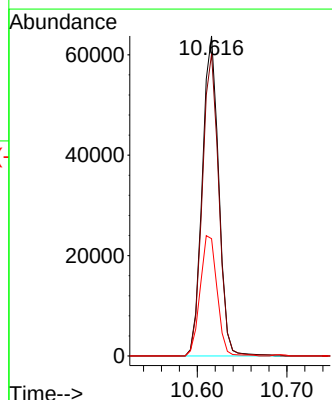
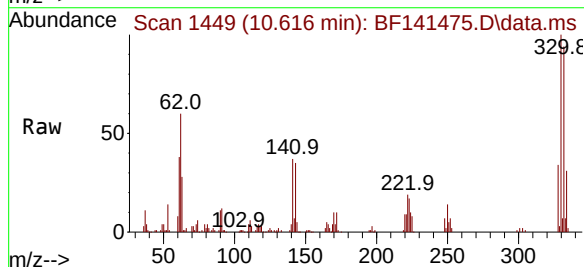
#41
Hexachlorocyclopentadiene
Concen: 18.691 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

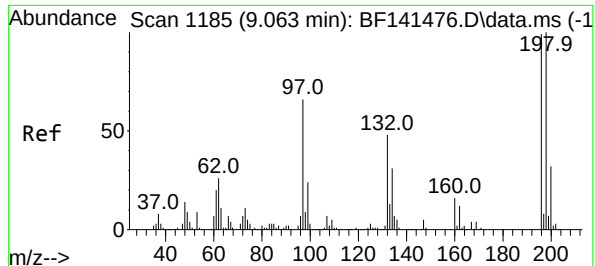
Tgt Ion:237 Resp: 34729
Ion Ratio Lower Upper
237 100
235 64.2 41.4 81.4
272 13.2 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 41.714 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

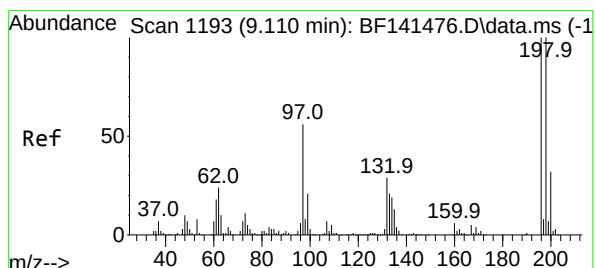
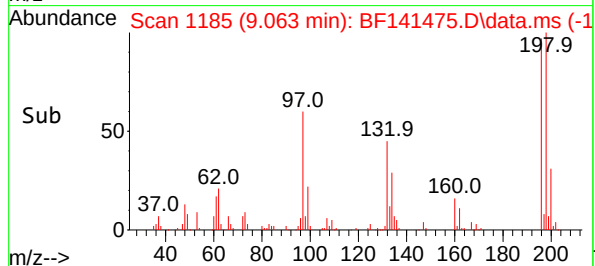
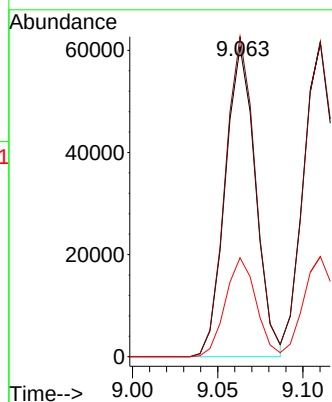
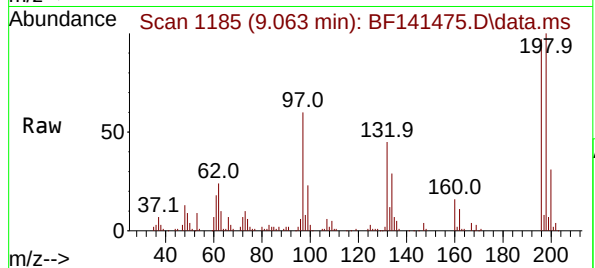
Tgt Ion:330 Resp: 80912
Ion Ratio Lower Upper
330 100
332 94.7 78.5 117.7
141 38.7 31.0 46.4





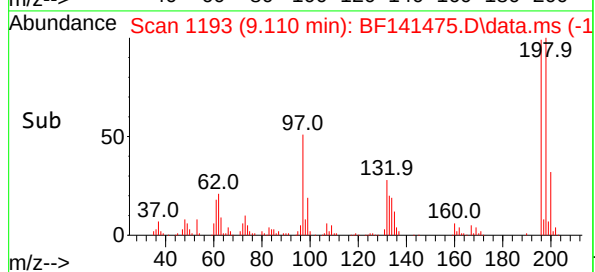
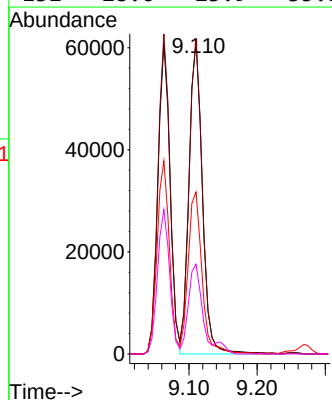
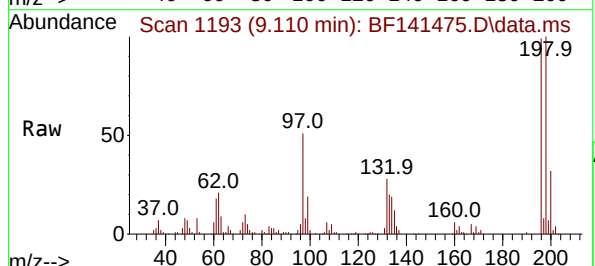
#43
2,4,6-Trichlorophenol
Concen: 20.817 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

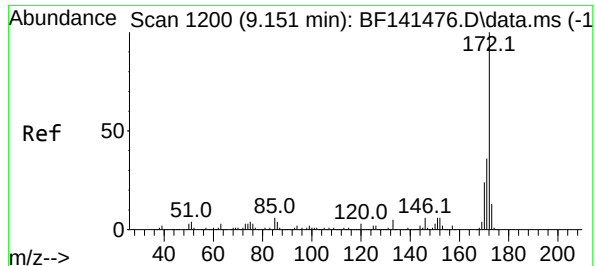
Tgt Ion:196 Resp: 75161
Ion Ratio Lower Upper
196 100
198 103.2 80.6 121.0
200 31.9 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 21.240 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

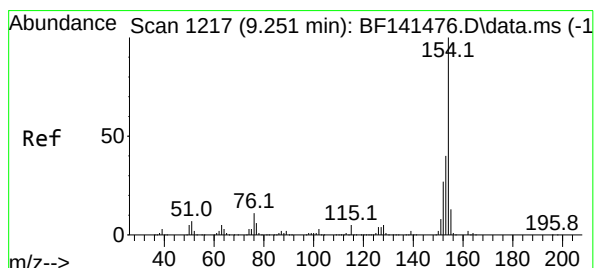
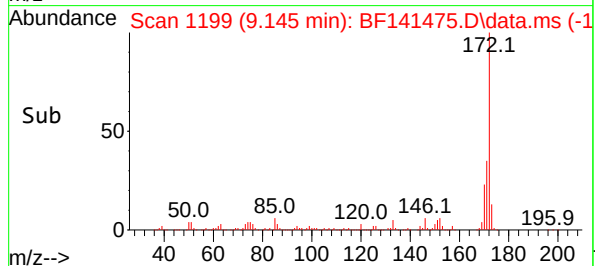
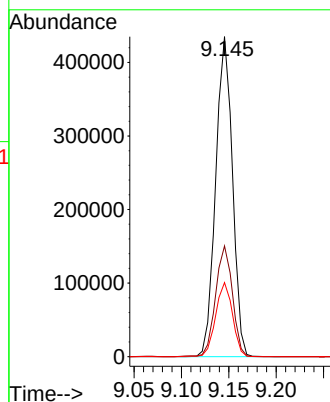
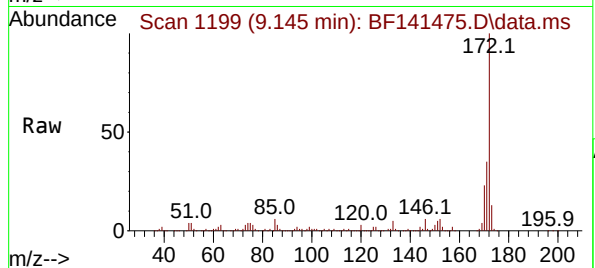
Tgt Ion:196 Resp: 83112
Ion Ratio Lower Upper
196 100
198 100.6 79.8 119.8
97 51.7 44.8 67.2
132 28.6 23.9 35.9





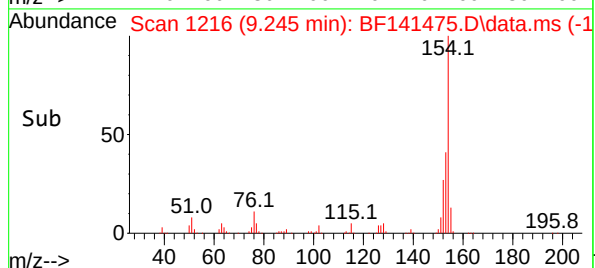
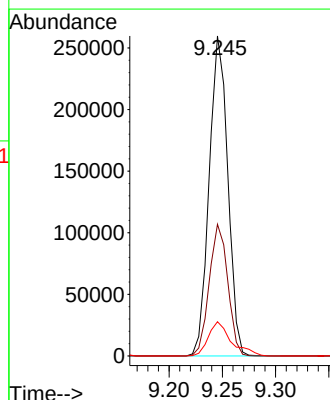
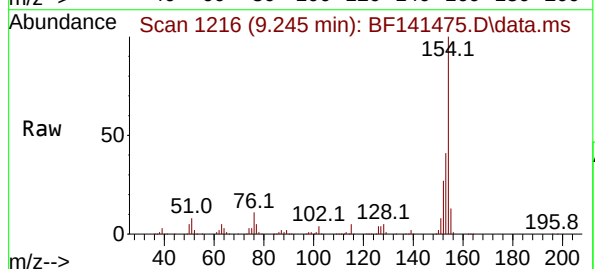
#45
2-Fluorobiphenyl
Concen: 42.674 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

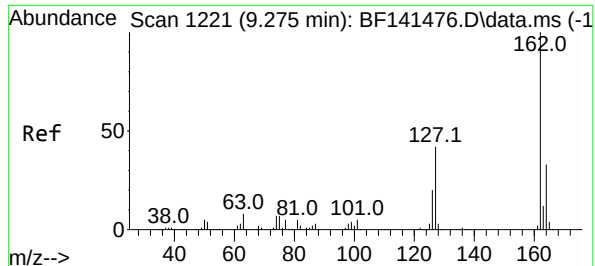
Tgt Ion:172 Resp: 534841
Ion Ratio Lower Upper
172 100
171 34.6 28.7 43.1
170 23.1 18.9 28.3



#46
1,1'-Biphenyl
Concen: 21.045 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

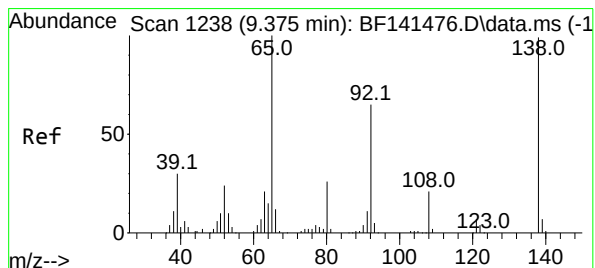
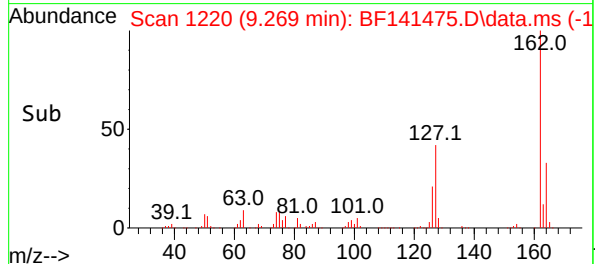
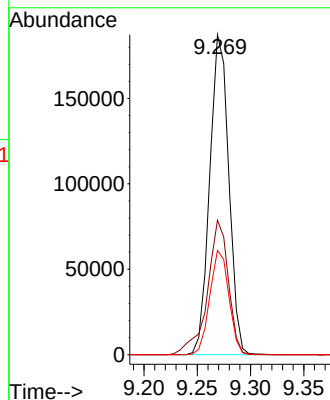
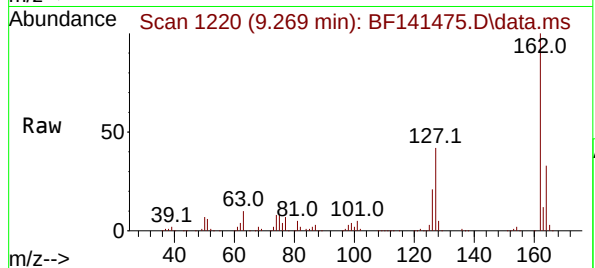
Tgt Ion:154 Resp: 315040
Ion Ratio Lower Upper
154 100
153 41.2 20.4 60.4
76 10.7 0.0 30.8





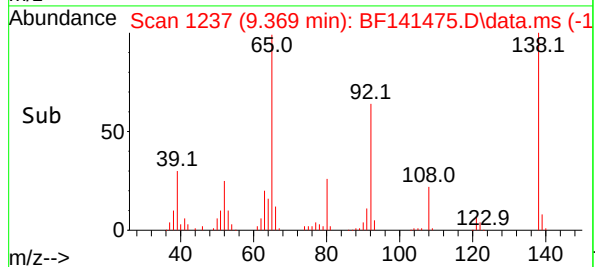
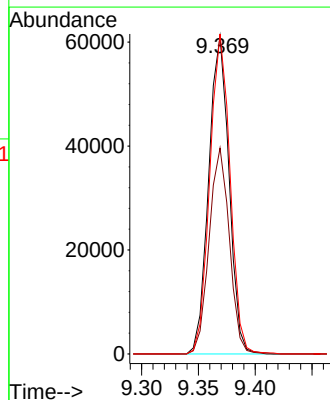
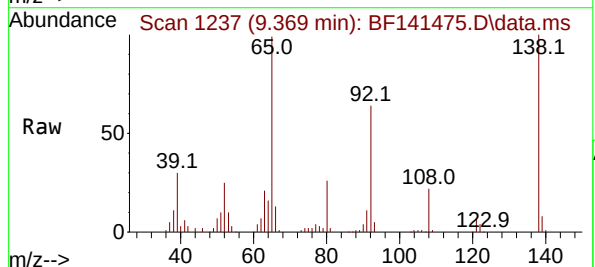
#47
2-Chloronaphthalene
Concen: 21.119 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

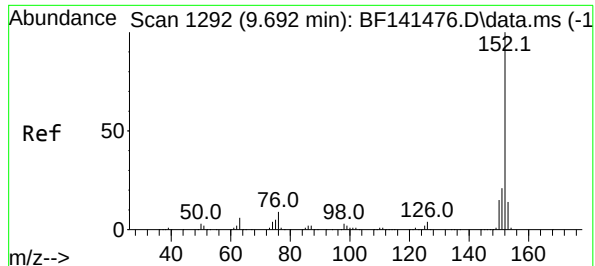
Tgt Ion:162 Resp: 233789
Ion Ratio Lower Upper
162 100
127 42.1 34.1 51.1
164 32.6 26.3 39.5



#48
2-Nitroaniline
Concen: 20.455 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion: 65 Resp: 75990
Ion Ratio Lower Upper
65 100
92 64.8 52.2 78.2
138 100.7 79.5 119.3





#49

Acenaphthylene

Concen: 21.004 ng

RT: 9.687 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

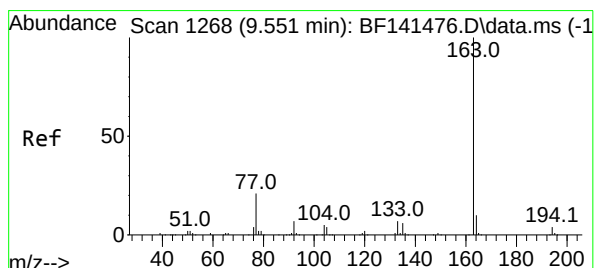
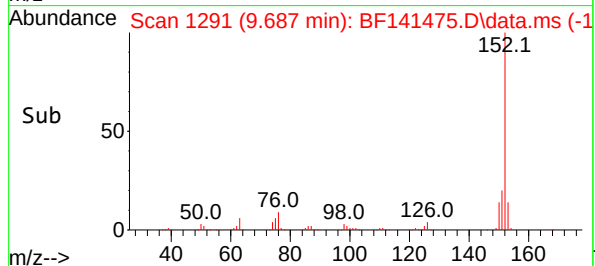
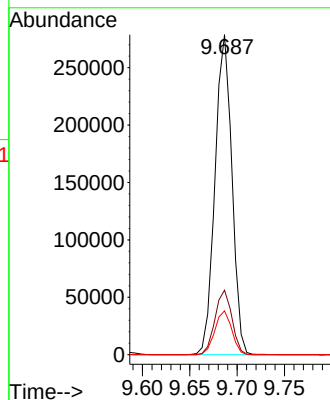
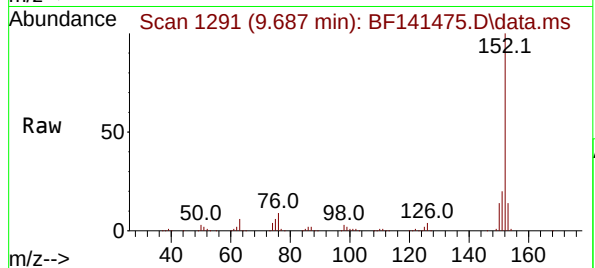
Tgt Ion:152 Resp: 345829

Ion	Ratio	Lower	Upper

152	100		

151	20.2	16.4	24.6

153	13.7	10.9	16.3



#50

Dimethylphthalate

Concen: 20.744 ng

RT: 9.545 min Scan# 1267

Delta R.T. -0.017 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

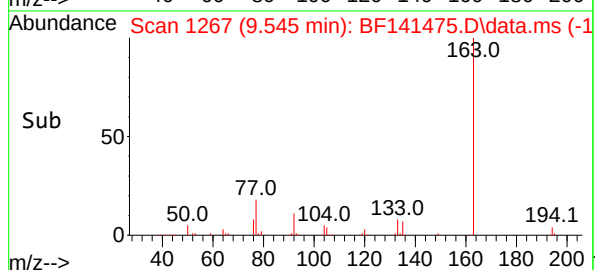
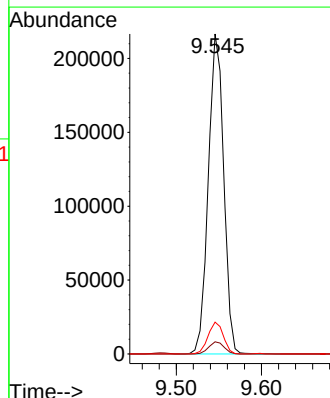
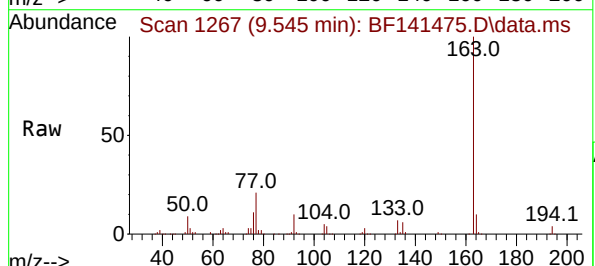
Tgt Ion:163 Resp: 271920

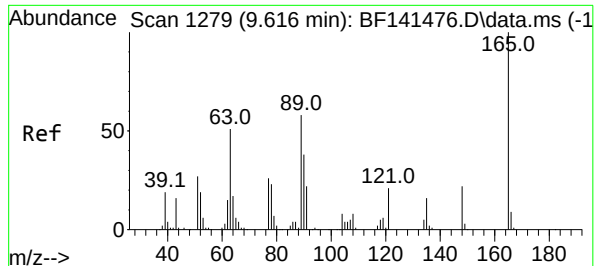
Ion	Ratio	Lower	Upper

163	100		

194	3.8	3.0	4.4

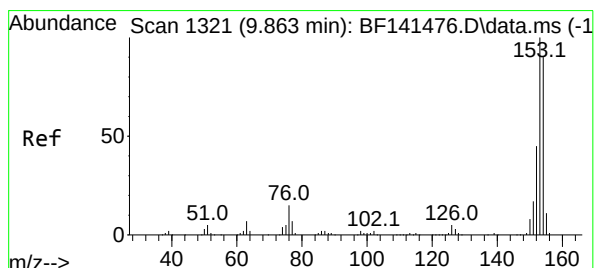
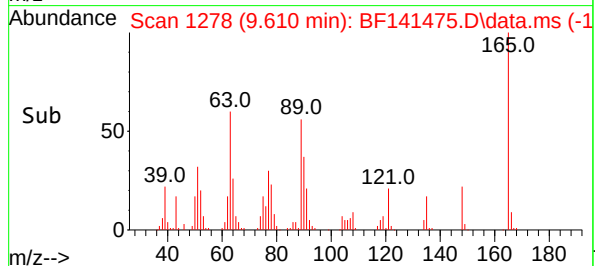
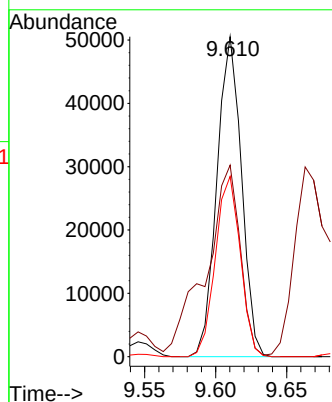
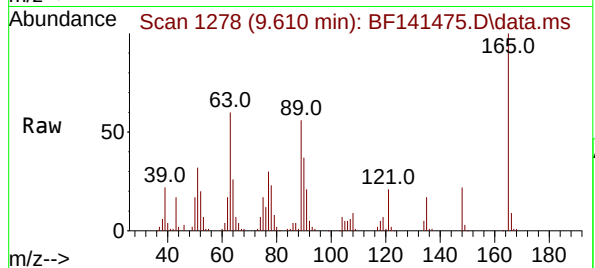
164	10.0	7.9	11.9





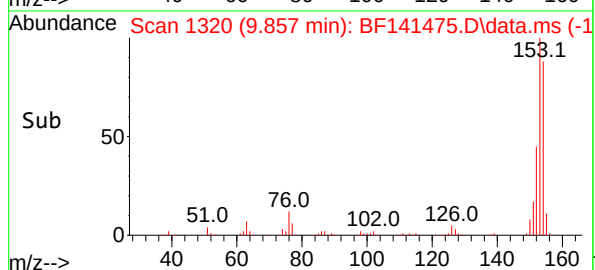
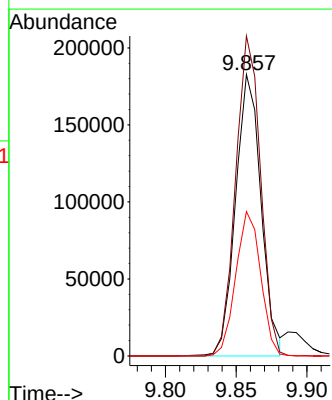
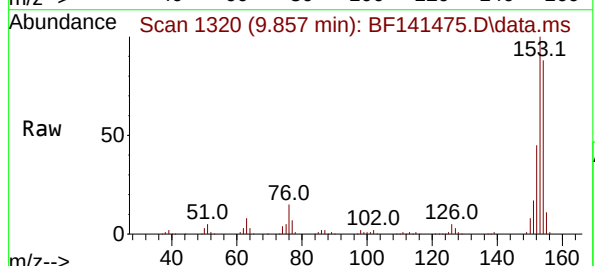
#51
2,6-Dinitrotoluene
Concen: 21.182 ng
RT: 9.610 min Scan# 1278
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

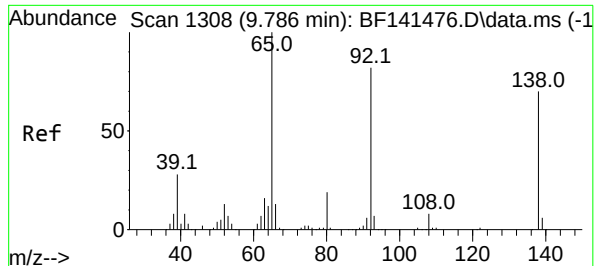
Tgt Ion:165 Resp: 60700
Ion Ratio Lower Upper
165 100
63 59.8 49.4 74.0
89 56.3 46.5 69.7



#52
Acenaphthene
Concen: 20.728 ng m
RT: 9.857 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

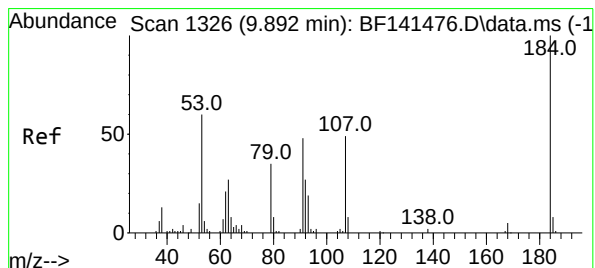
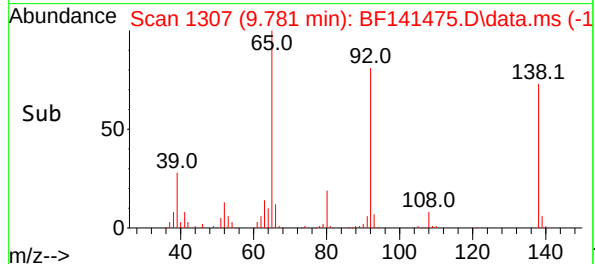
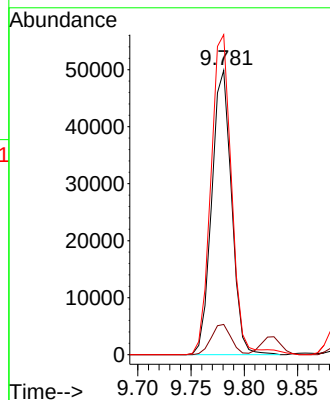
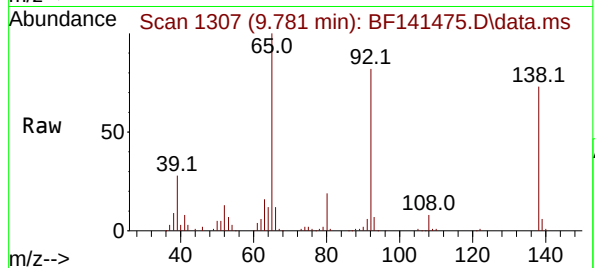
Tgt Ion:154 Resp: 229442
Ion Ratio Lower Upper
154 100
153 113.7 89.2 133.8
152 51.3 39.8 59.8





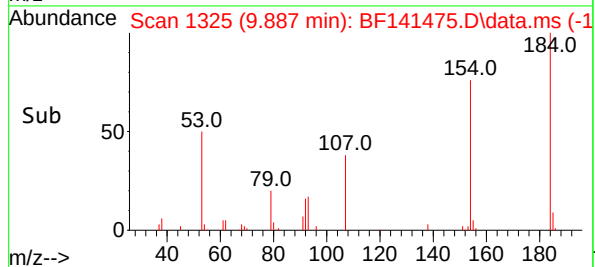
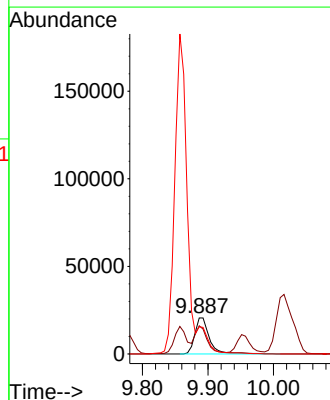
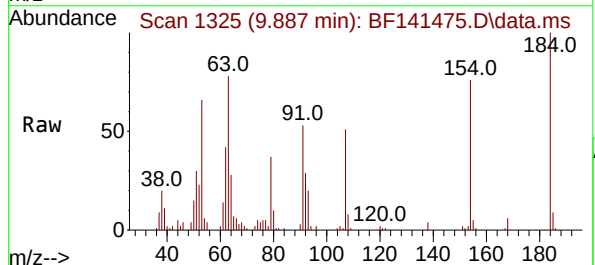
#53
3-Nitroaniline
Concen: 20.954 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

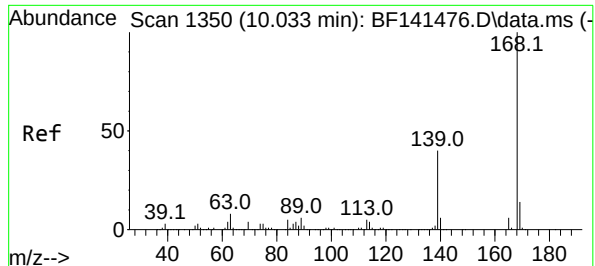
Tgt Ion:138 Resp: 64626
Ion Ratio Lower Upper
138 100
108 10.6 9.0 13.4
92 112.5 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 18.898 ng
RT: 9.887 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

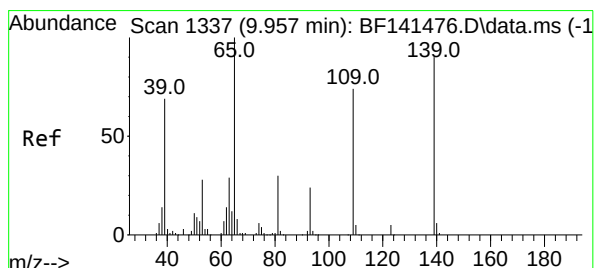
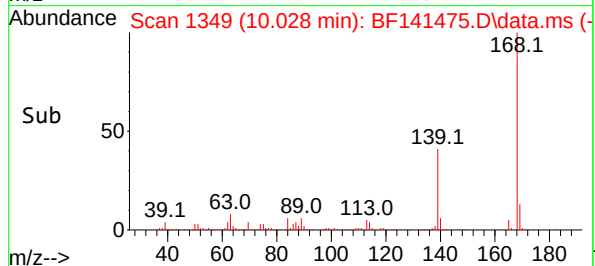
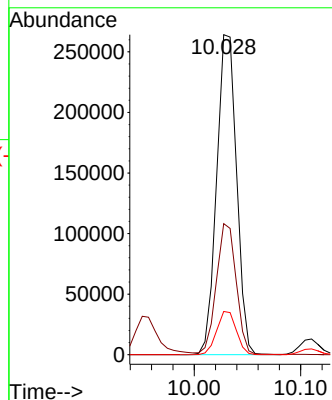
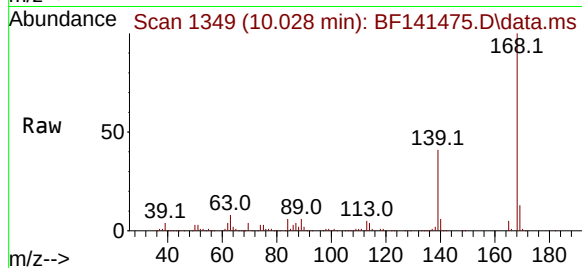
Tgt Ion:184 Resp: 32186
Ion Ratio Lower Upper
184 100
63 78.3 61.0 91.6
154 75.8 59.9 89.9





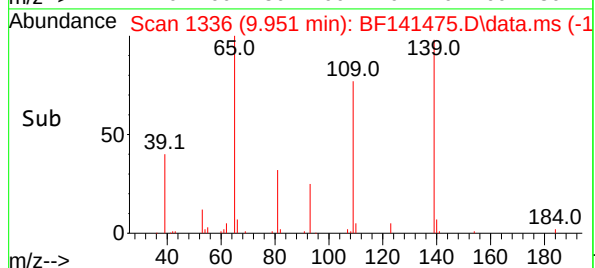
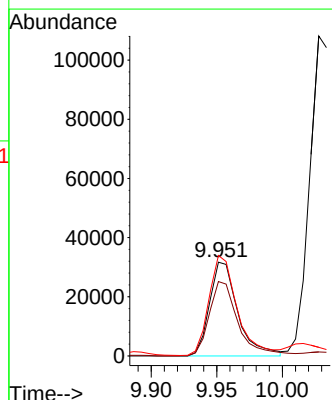
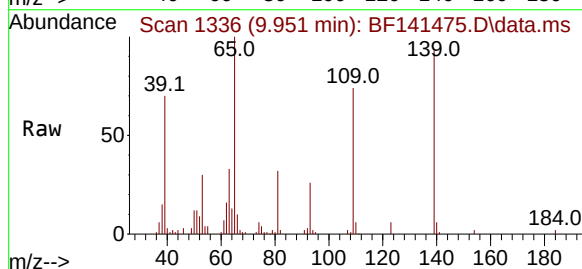
#55
Dibenzofuran
Concen: 21.087 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

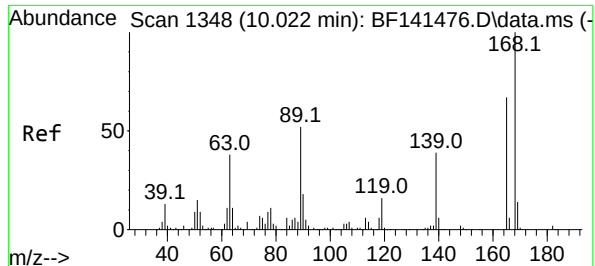
Tgt Ion:168 Resp: 342620
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 20.843 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

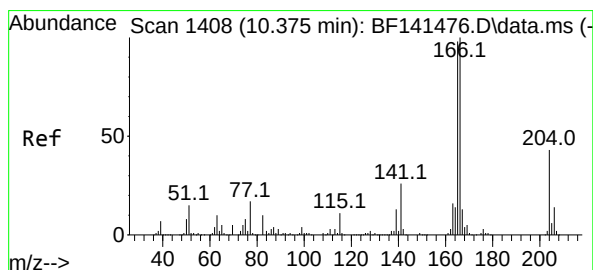
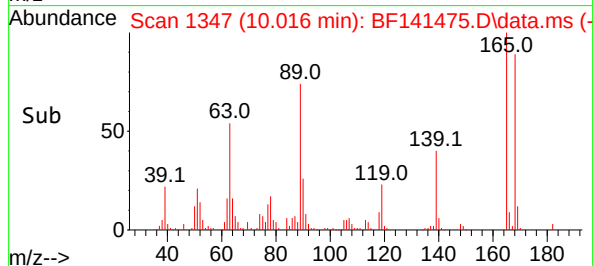
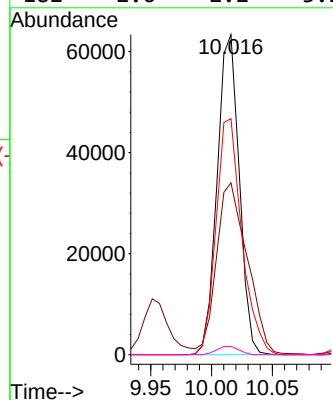
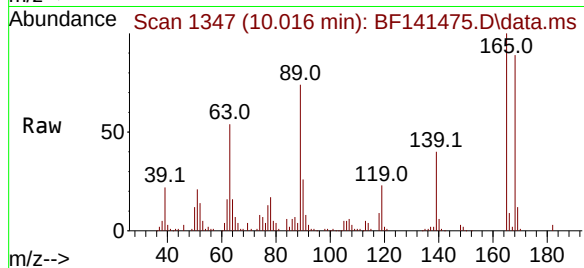
Tgt Ion:139 Resp: 47721
Ion Ratio Lower Upper
139 100
109 79.3 62.0 102.0
65 107.1 91.2 131.2





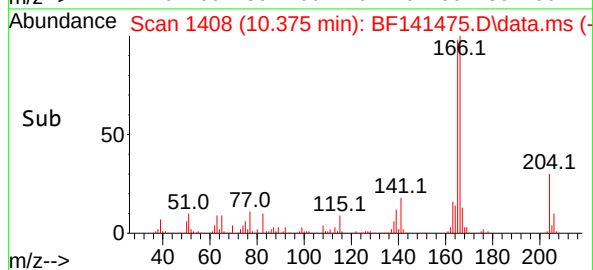
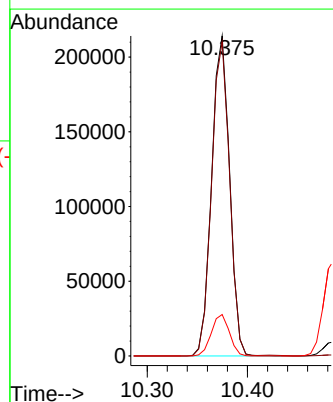
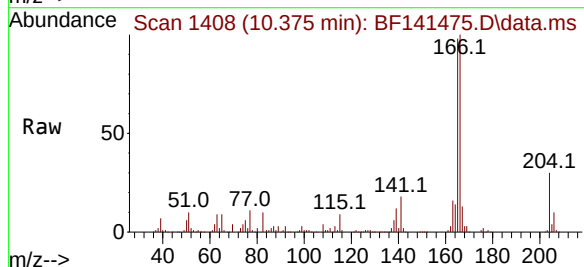
#57
2,4-Dinitrotoluene
Concen: 20.936 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

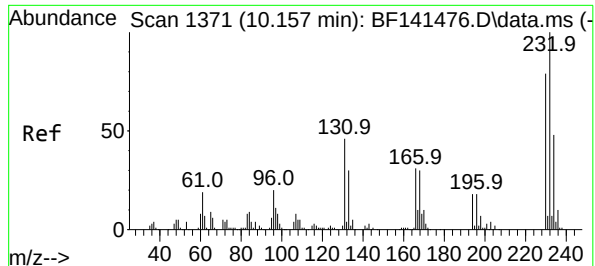
Tgt Ion:165 Resp: 79865
Ion Ratio Lower Upper
165 100
63 53.7 46.4 69.6
89 73.8 61.8 92.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 21.159 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

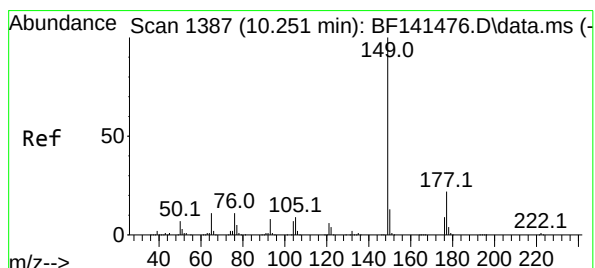
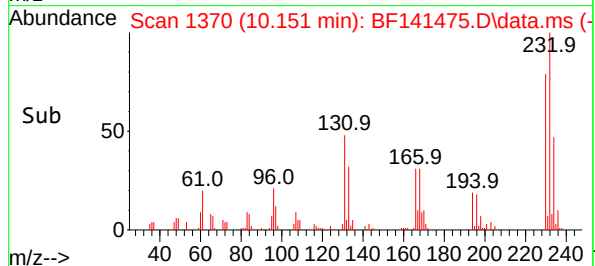
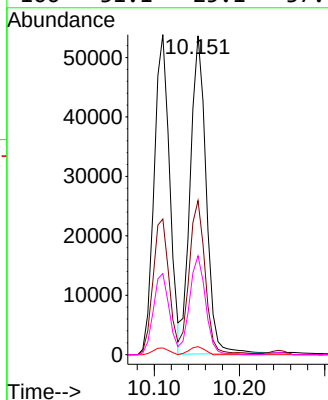
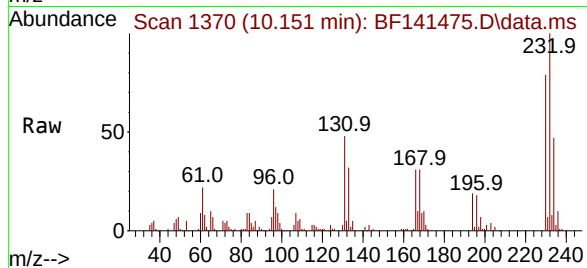
Tgt Ion:166 Resp: 265810
Ion Ratio Lower Upper
166 100
165 98.1 78.2 117.2
167 13.0 10.7 16.1





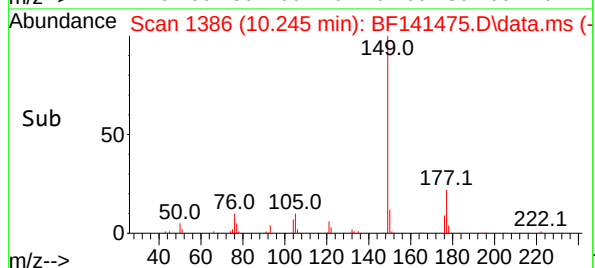
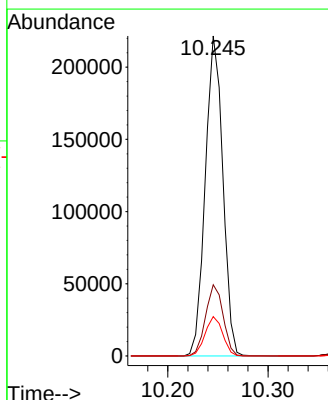
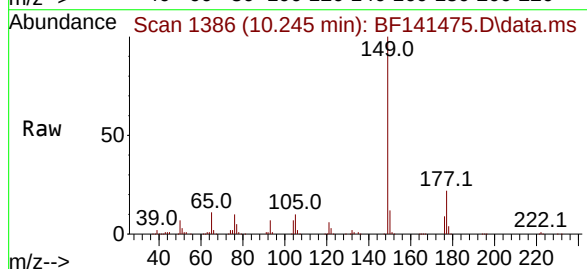
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.579 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

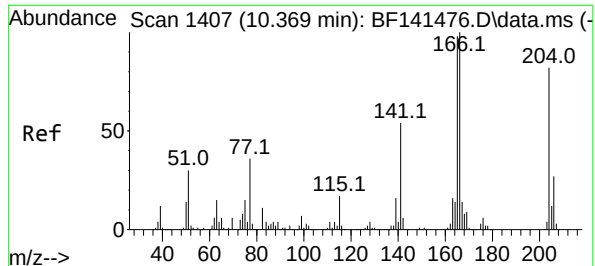
Tgt Ion:232 Resp: 69328
Ion Ratio Lower Upper
232 100
131 49.0 39.2 58.8
130 2.4 2.1 3.1
166 31.1 25.1 37.7



#60
Diethylphthalate
Concen: 20.936 ng
RT: 10.245 min Scan# 1386
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

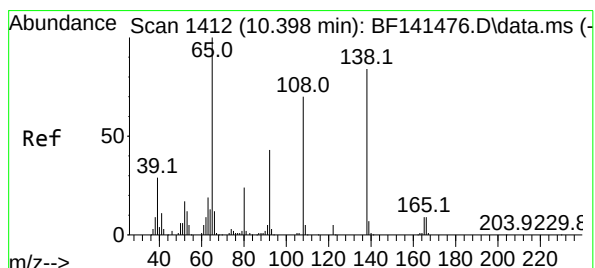
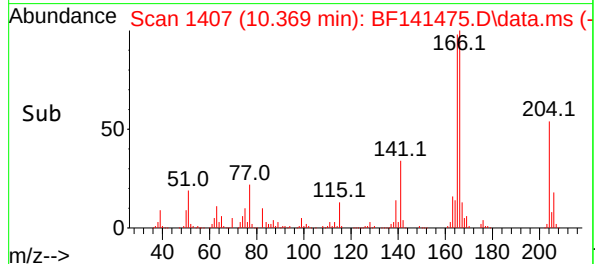
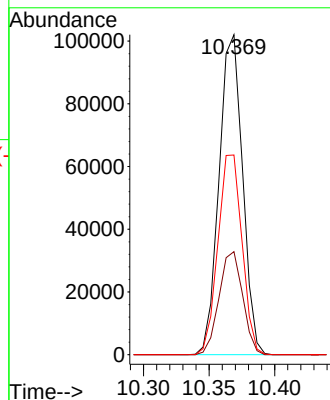
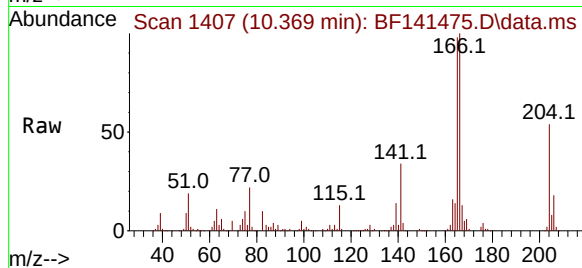
Tgt Ion:149 Resp: 270018
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.3 10.1 15.1





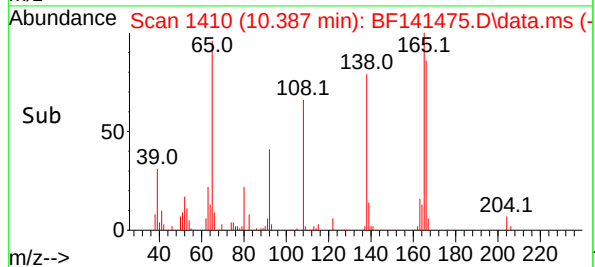
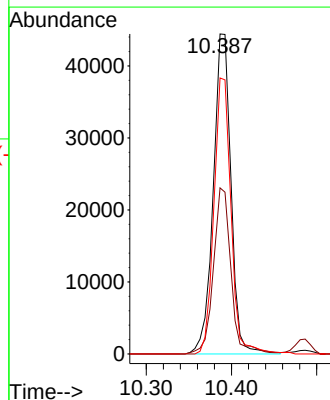
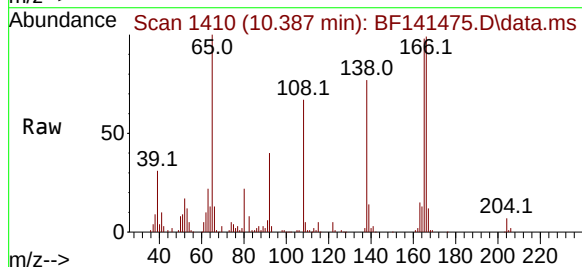
#61
4-Chlorophenyl-phenylether
Concen: 21.049 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

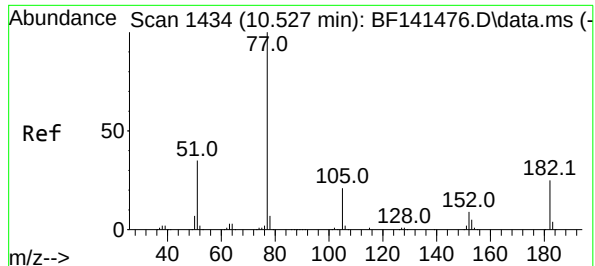
Tgt Ion:204 Resp: 127216
Ion Ratio Lower Upper
204 100
206 32.2 26.6 40.0
141 62.4 51.9 77.9



#62
4-Nitroaniline
Concen: 20.519 ng
RT: 10.387 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

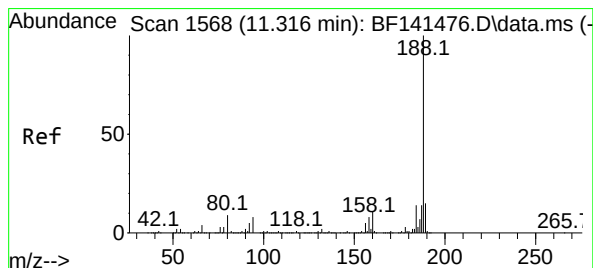
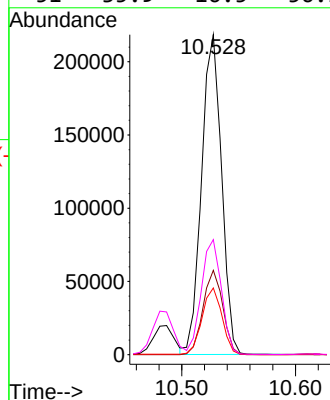
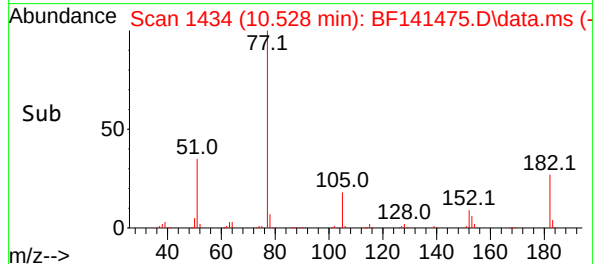
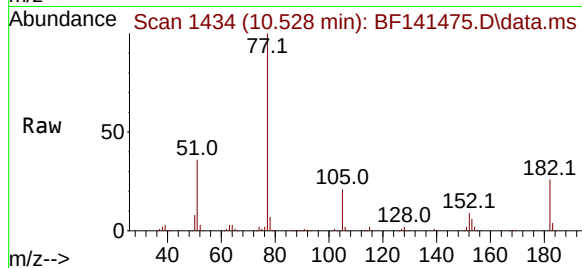
Tgt Ion:138 Resp: 64262
Ion Ratio Lower Upper
138 100
92 51.9 31.3 71.3
108 86.2 63.7 103.7





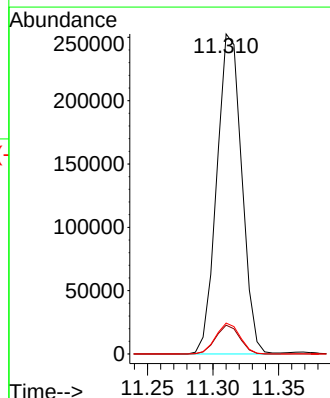
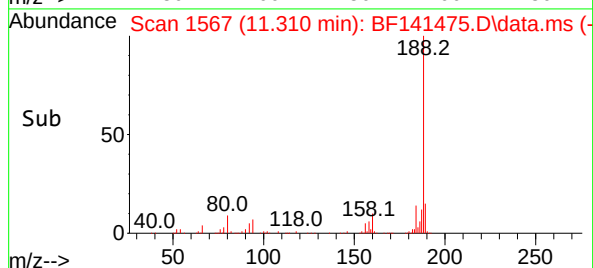
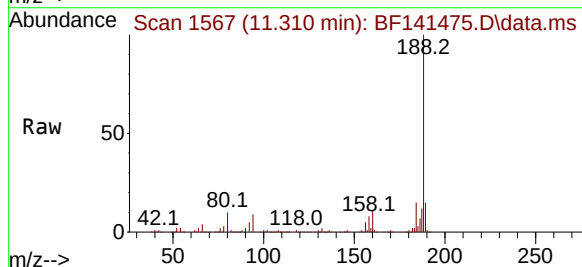
#63
Azobenzene
Concen: 20.853 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.005 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

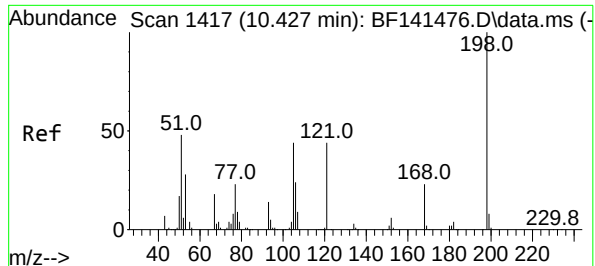
Tgt Ion: 77	Resp: 267372
Ion Ratio	Lower Upper
77 100	
182 26.4	4.7 44.7
105 20.9	0.4 40.4
51 35.9	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

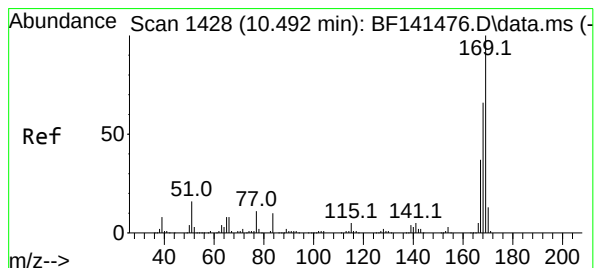
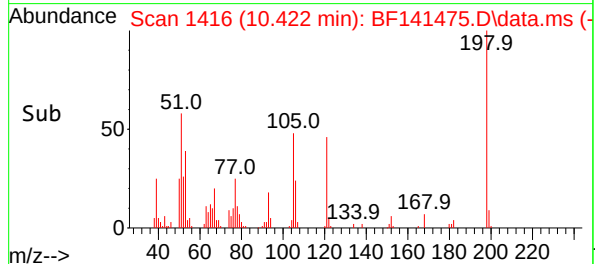
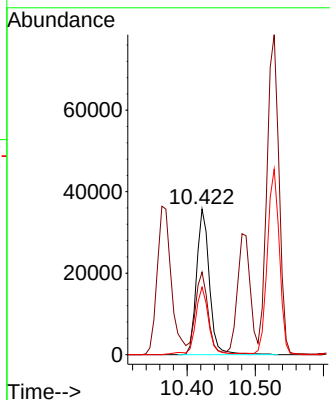
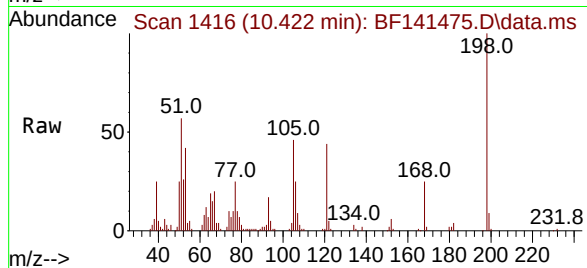
Tgt Ion: 188	Resp: 333651
Ion Ratio	Lower Upper
188 100	
94 9.0	6.6 10.0
80 9.7	7.3 10.9





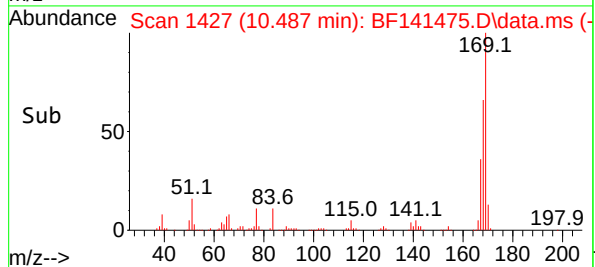
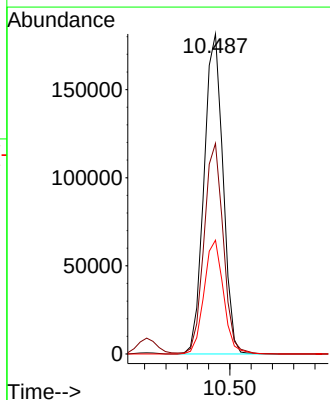
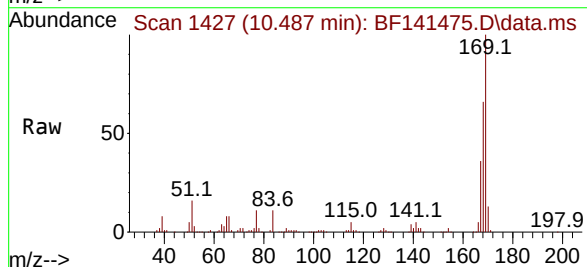
#65
4,6-Dinitro-2-methylphenol
Concen: 20.226 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.017 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

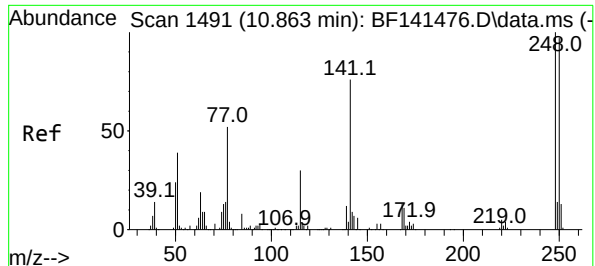
Tgt Ion:198 Resp: 46877
Ion Ratio Lower Upper
198 100
51 56.7 37.4 77.4
105 46.4 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 21.045 ng
RT: 10.487 min Scan# 1427
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

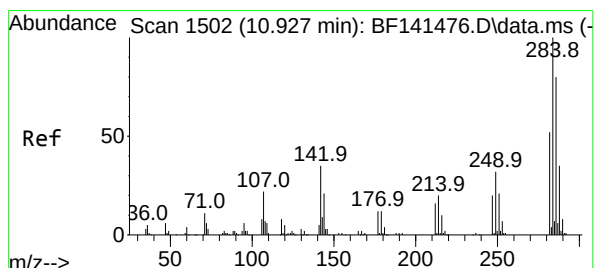
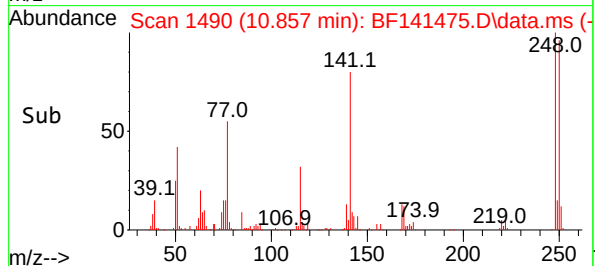
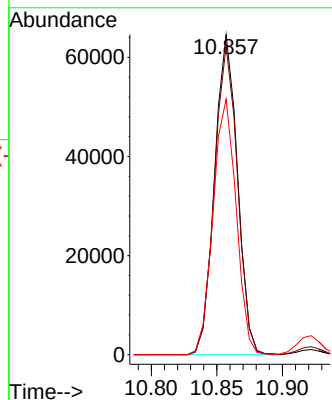
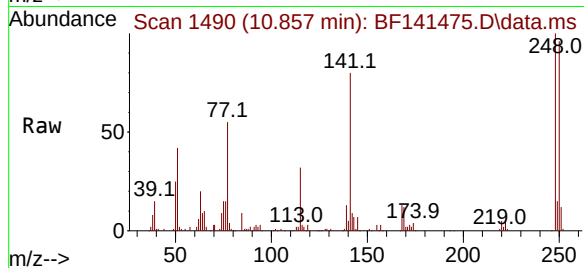
Tgt Ion:169 Resp: 224776
Ion Ratio Lower Upper
169 100
168 65.8 53.3 79.9
167 35.6 29.4 44.2





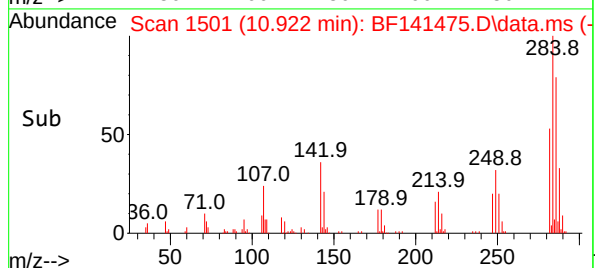
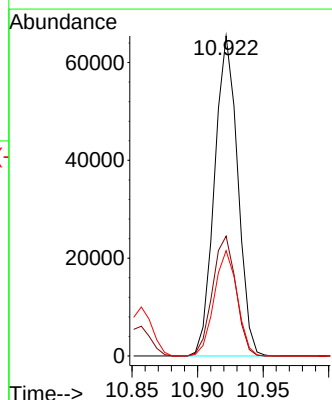
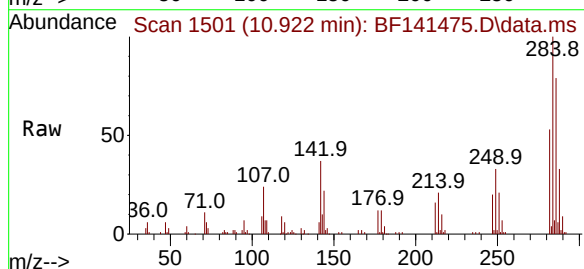
#67
4-Bromophenyl-phenylether
Concen: 20.962 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

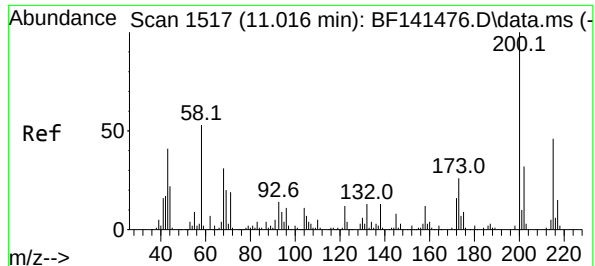
Tgt Ion:248 Resp: 78167
Ion Ratio Lower Upper
248 100
250 96.5 77.8 116.6
141 79.8 60.6 90.8



#68
Hexachlorobenzene
Concen: 20.913 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

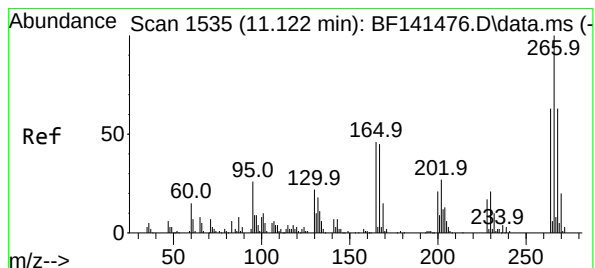
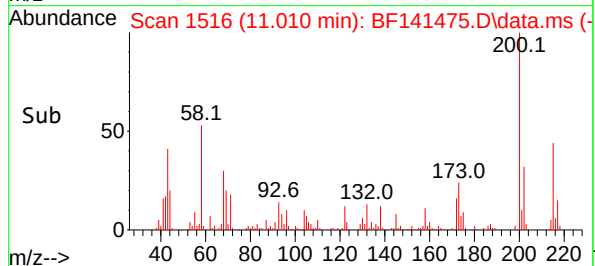
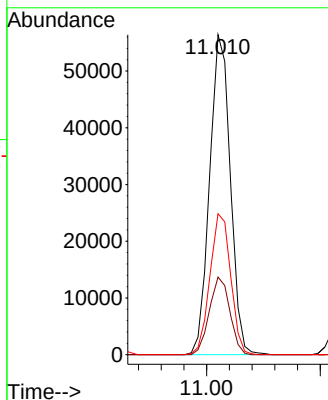
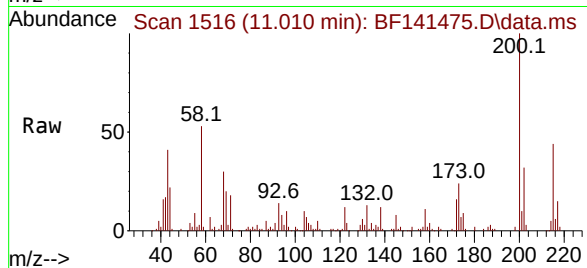
Tgt Ion:284 Resp: 80301
Ion Ratio Lower Upper
284 100
142 37.5 28.0 42.0
249 32.9 25.8 38.8





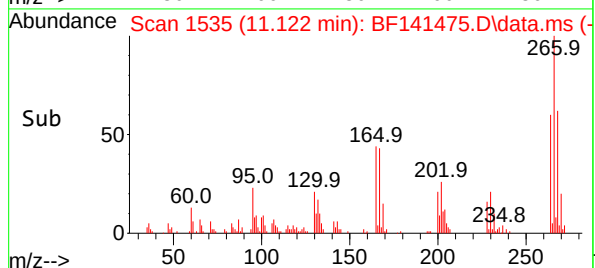
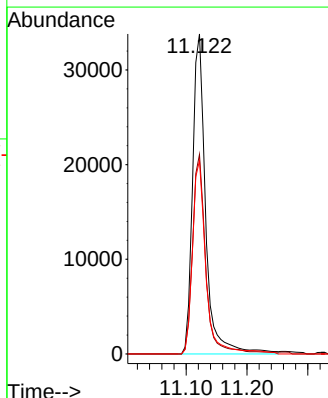
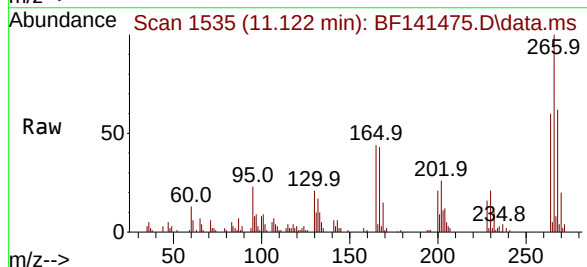
#69
Atrazine
Concen: 22.271 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

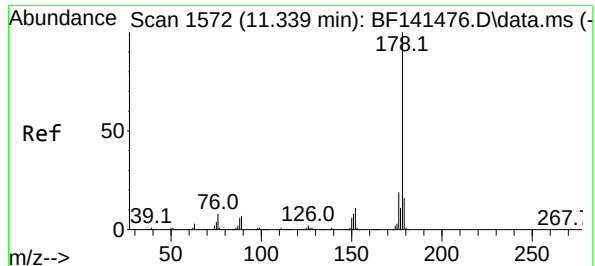
Tgt Ion:	200	Resp:	71359
Ion Ratio	Lower	Upper	
200	100		
173	24.3	5.9	45.9
215	44.1	25.9	65.9



#70
Pentachlorophenol
Concen: 20.584 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

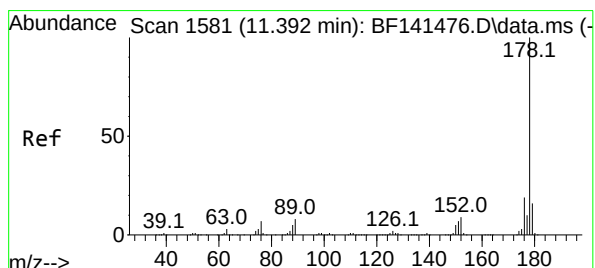
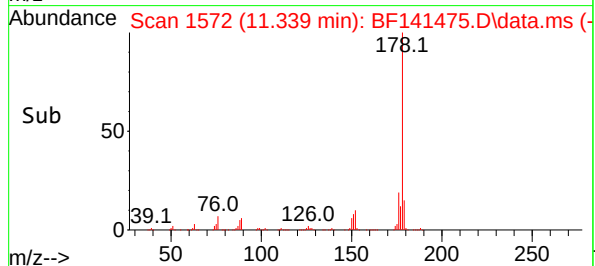
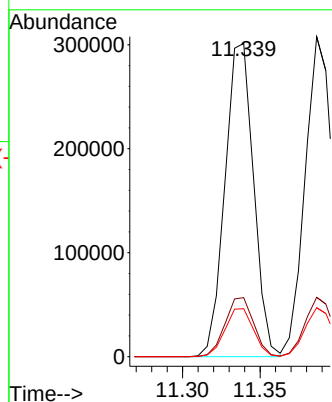
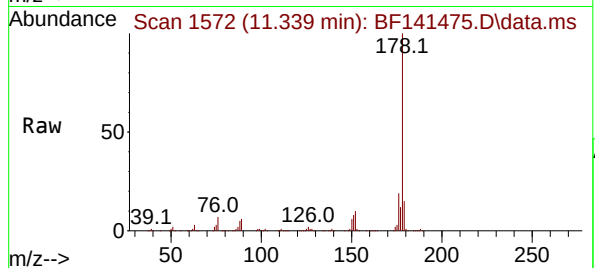
Tgt Ion:	266	Resp:	50539
Ion Ratio	Lower	Upper	
266	100		
268	62.4	50.1	75.1
264	60.5	50.1	75.1





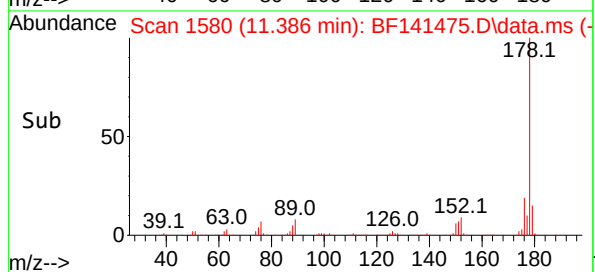
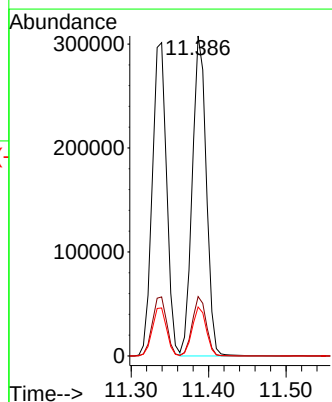
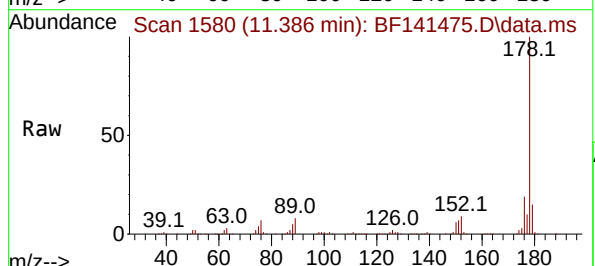
#71
Phenanthrene
Concen: 21.085 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

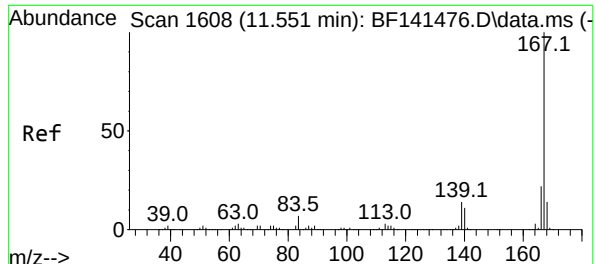
Tgt Ion:178 Resp: 387256
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 20.930 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.011 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

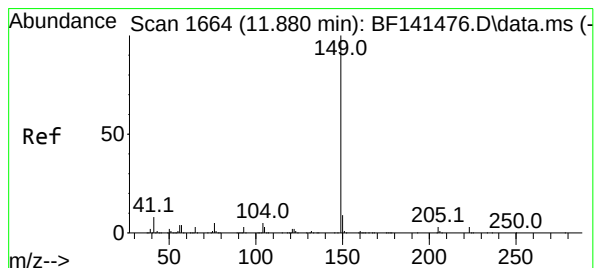
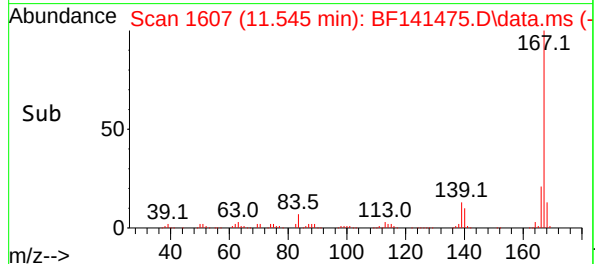
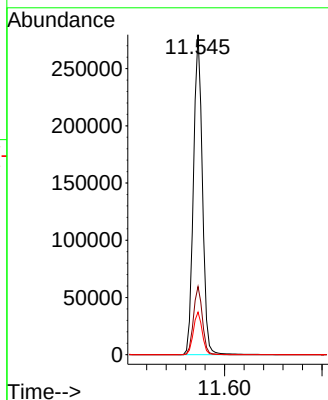
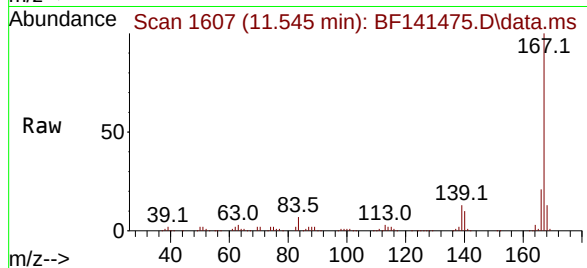
Tgt Ion:178 Resp: 386414
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.3 12.4 18.6





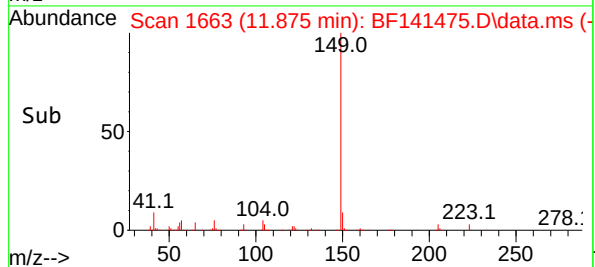
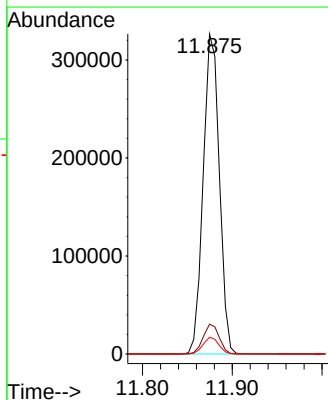
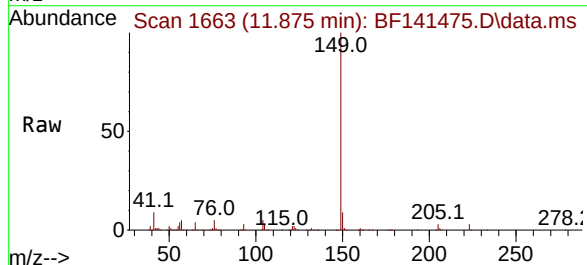
#73
Carbazole
Concen: 21.610 ng
RT: 11.545 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

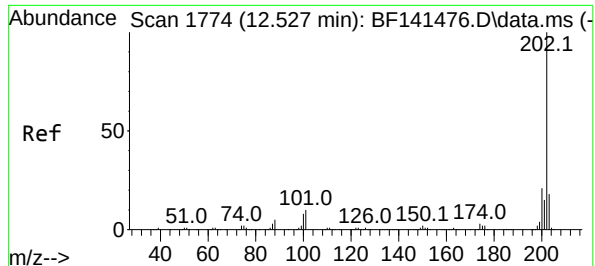
Tgt Ion:167 Resp: 358987
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.2
139 13.3 10.9 16.3



#74
Di-n-butylphthalate
Concen: 21.273 ng
RT: 11.875 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

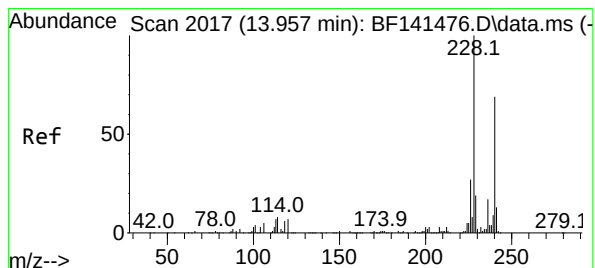
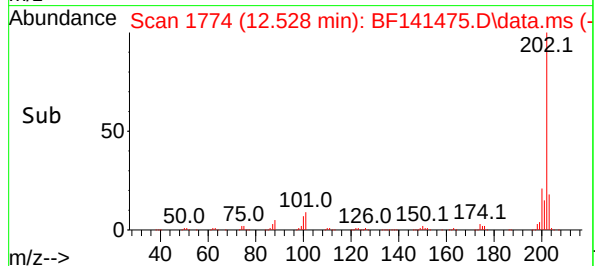
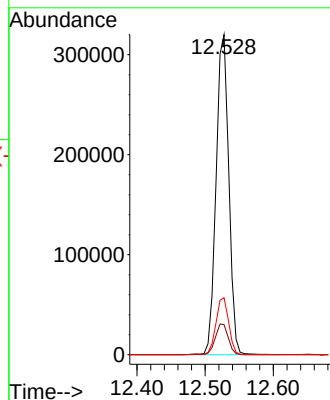
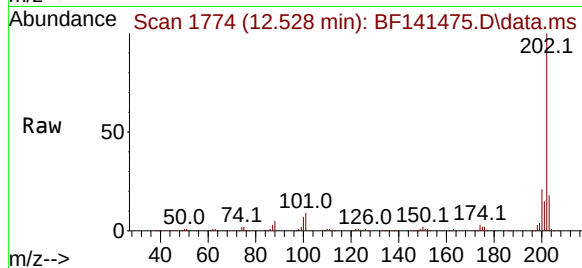
Tgt Ion:149 Resp: 408041
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 5.2 4.2 6.2





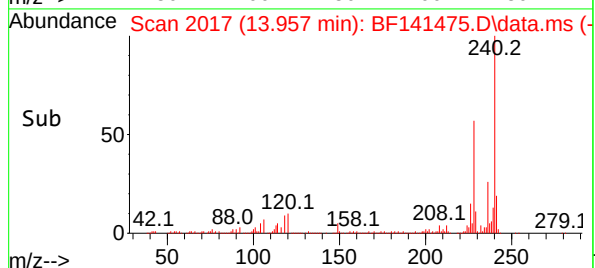
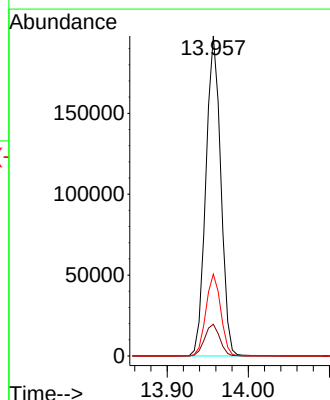
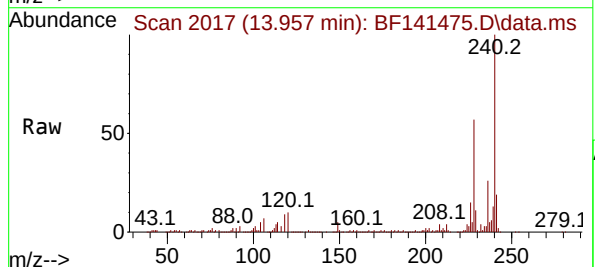
#75
Fluoranthene
Concen: 21.298 ng
RT: 12.528 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

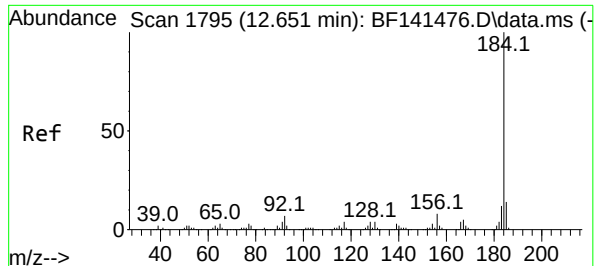
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.2
203	17.8	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

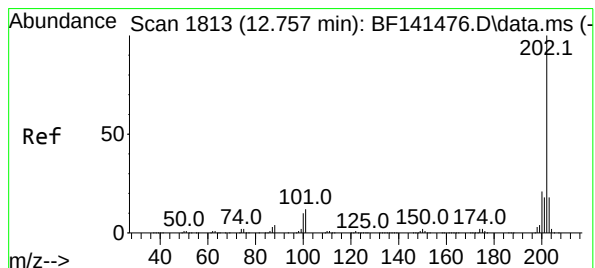
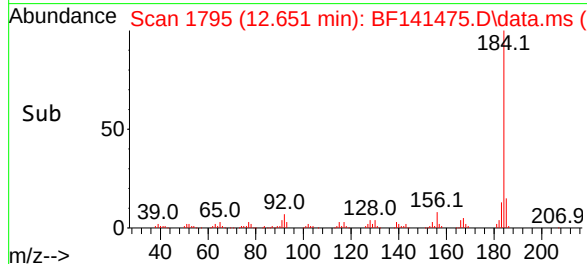
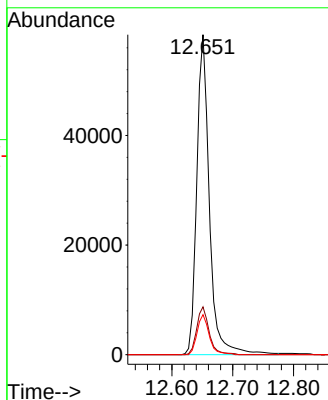
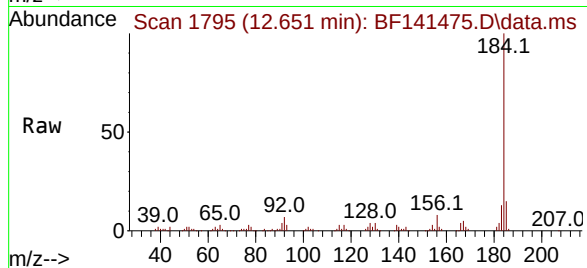
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.0	12.0
236	25.5	19.8	29.8





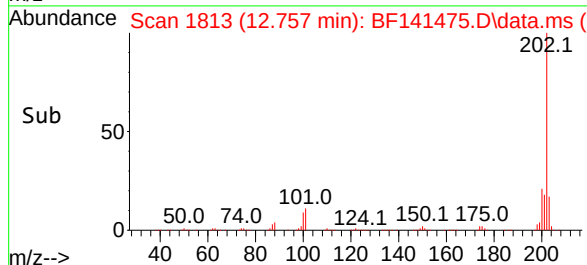
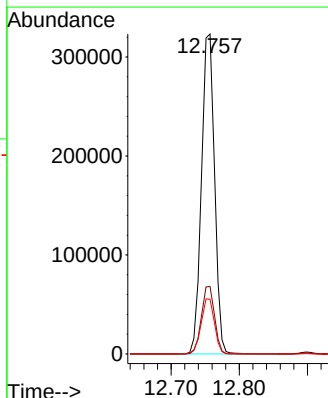
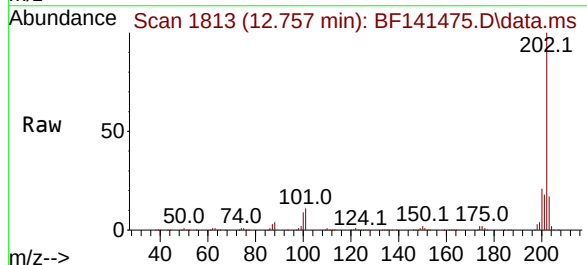
#77
Benzidine
Concen: 15.132 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

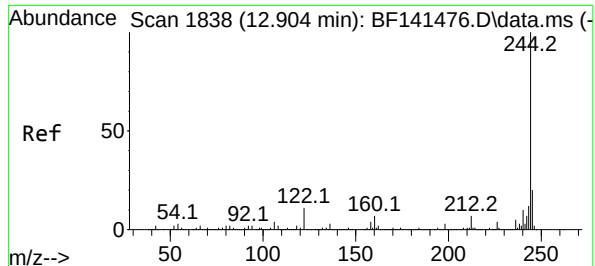
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	12.5	9.3	13.9



#78
Pyrene
Concen: 20.169 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.1	14.3	21.5





#79

Terphenyl-d14

Concen: 40.894 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

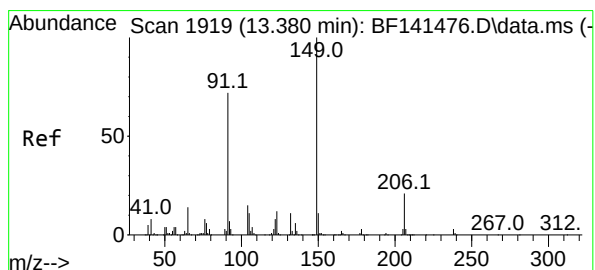
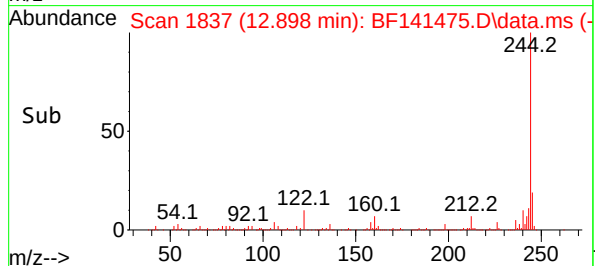
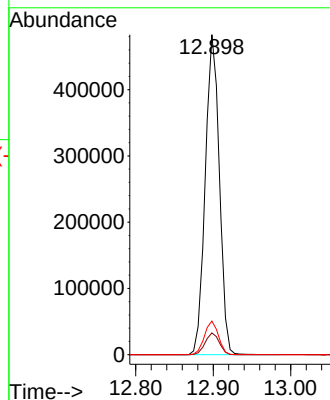
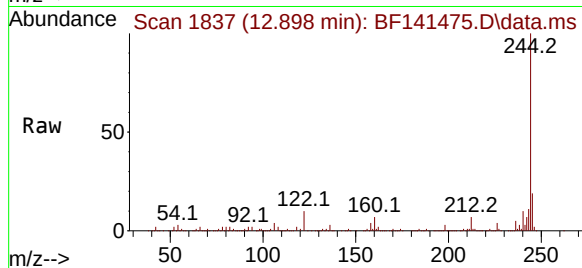
Tgt Ion:244 Resp: 609819

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.5 8.4 12.6



#80

Butylbenzylphthalate

Concen: 20.502 ng

RT: 13.375 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

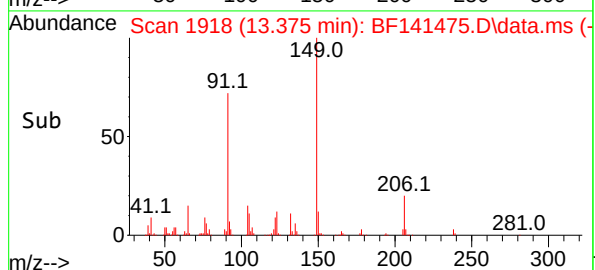
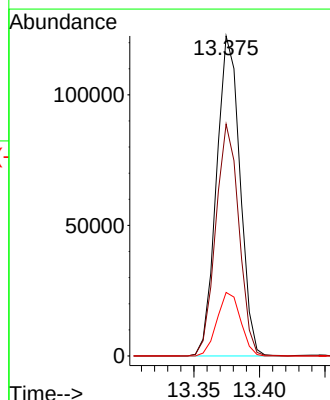
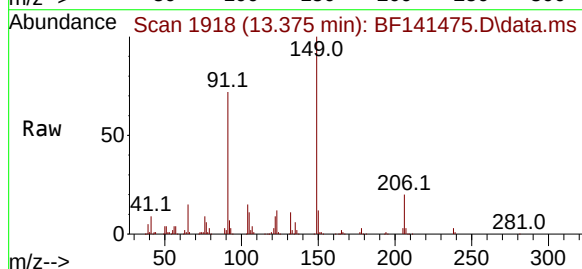
Tgt Ion:149 Resp: 152184

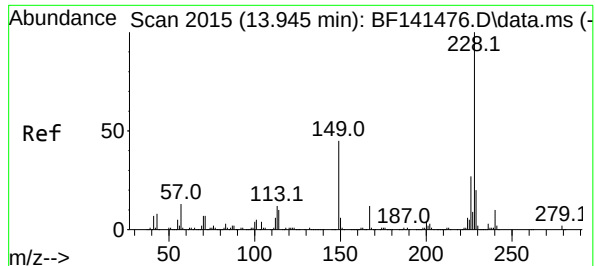
Ion Ratio Lower Upper

149 100

91 72.5 57.8 86.8

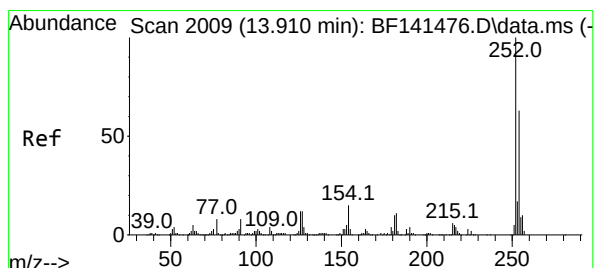
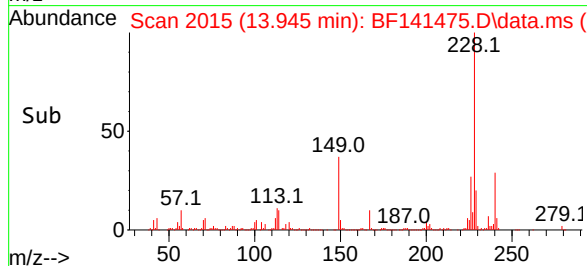
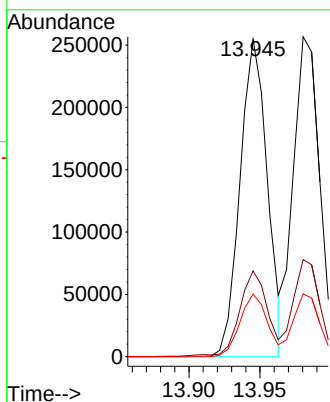
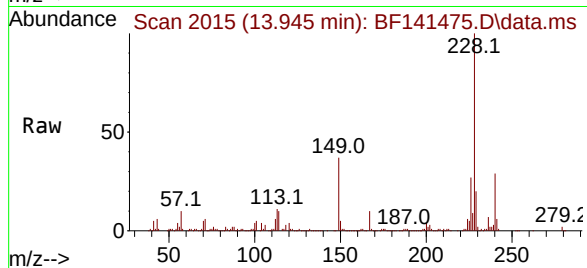
206 19.8 16.7 25.1





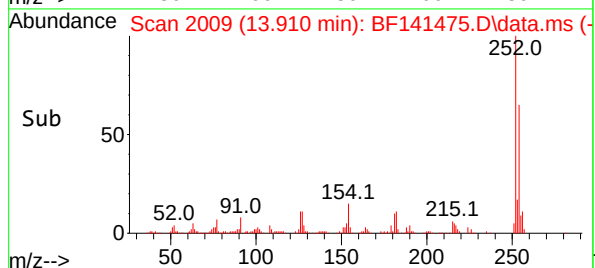
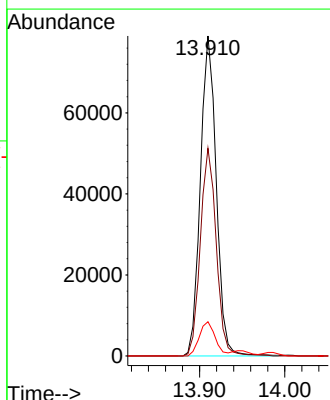
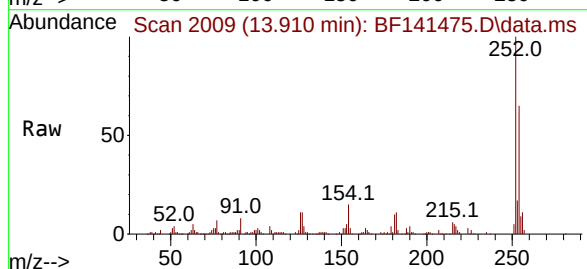
#81
Benzo(a)anthracene
Concen: 20.310 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

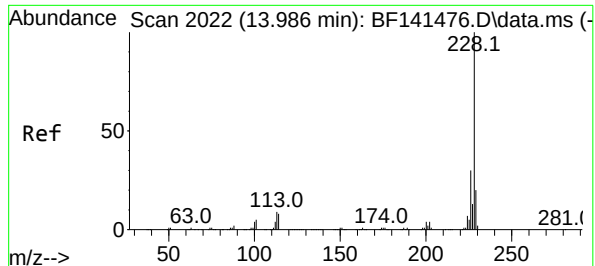
Tgt Ion:228 Resp: 339877
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 21.355 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:252 Resp: 102367
Ion Ratio Lower Upper
252 100
254 64.9 50.6 76.0
126 10.7 9.3 13.9





#83

Chrysene

Concen: 21.411 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

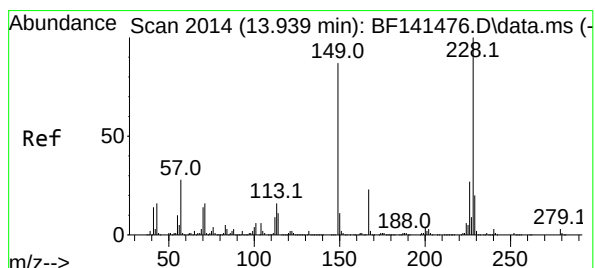
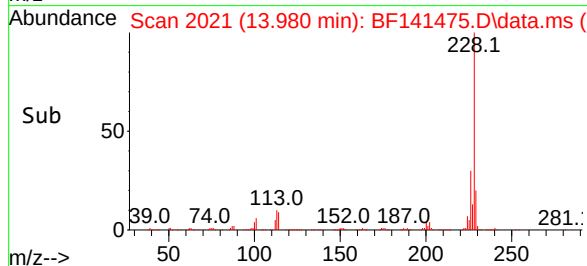
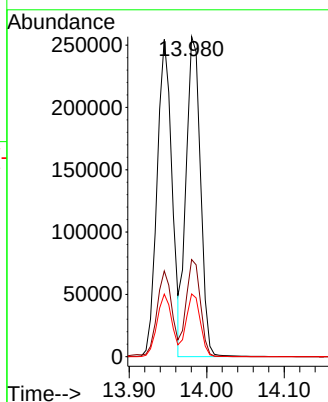
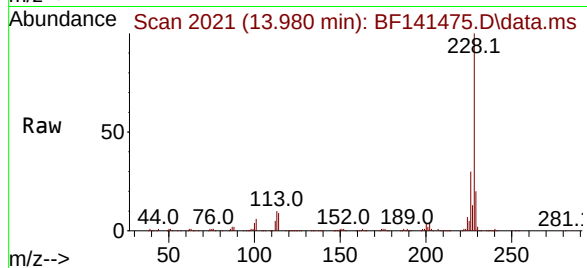
Tgt Ion:228 Resp: 330823

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.588 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

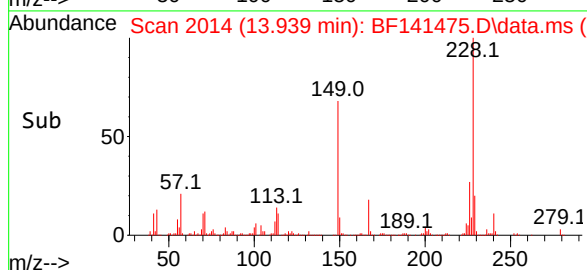
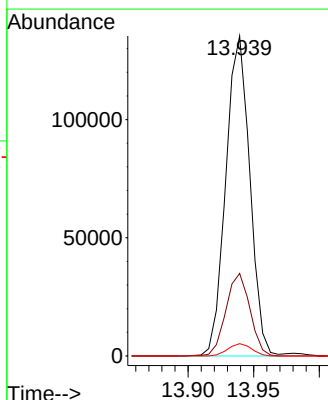
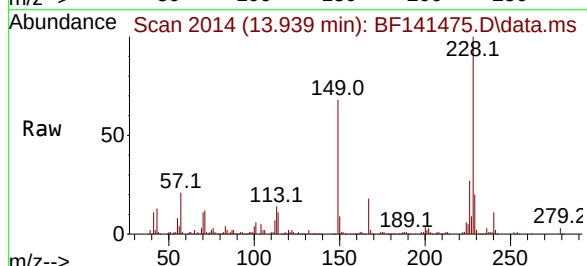
Tgt Ion:149 Resp: 172352

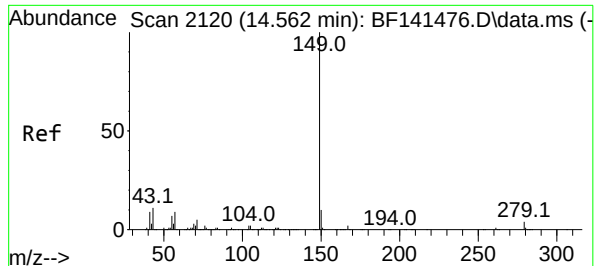
Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

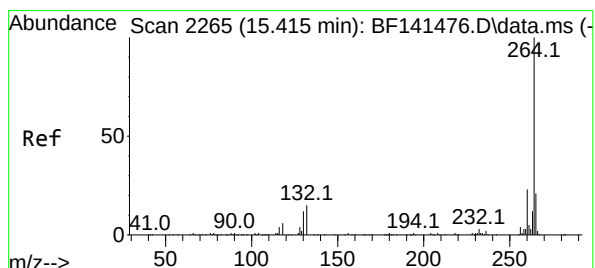
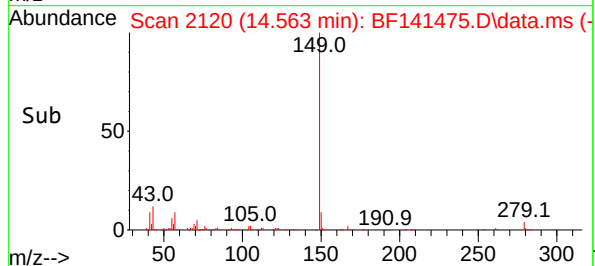
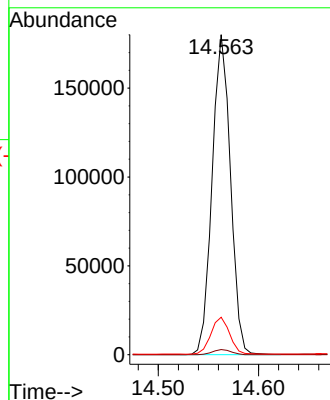
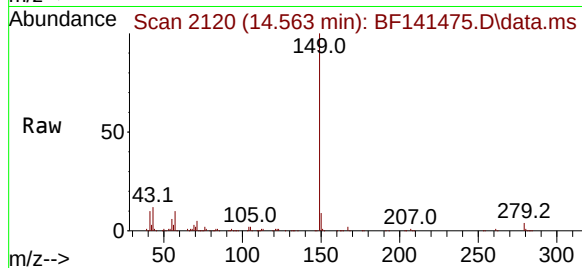
279 3.9 3.1 4.7





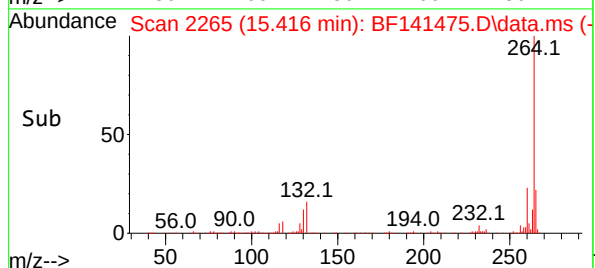
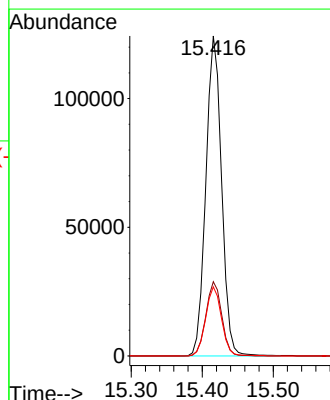
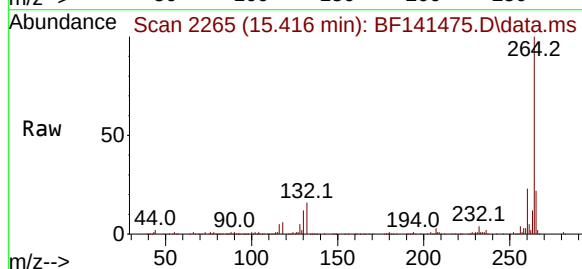
#85
Di-n-octyl phthalate
Concen: 19.180 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

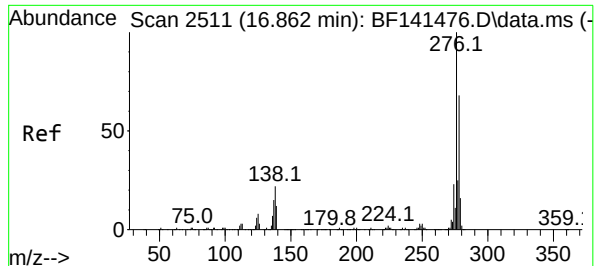
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.6	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.200 ng

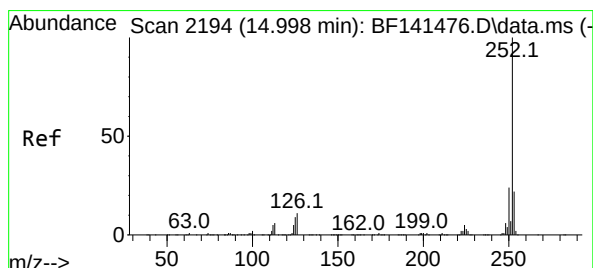
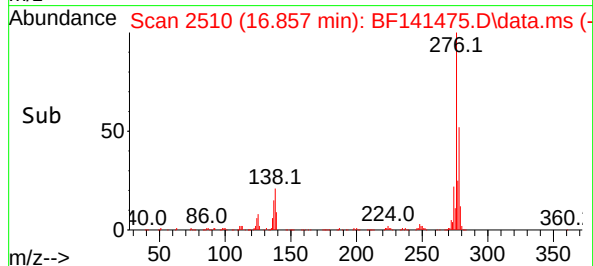
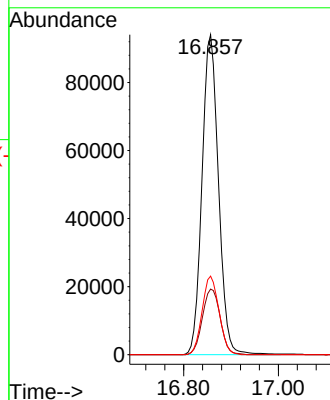
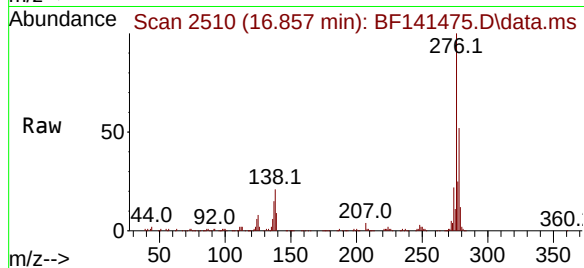
RT: 16.857 min Scan# 2510

Delta R.T. -0.017 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:	276	Resp:	227105
Ion Ratio	Lower	Upper	
276	100		
138	22.1	18.0	27.0
277	25.1	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 20.826 ng

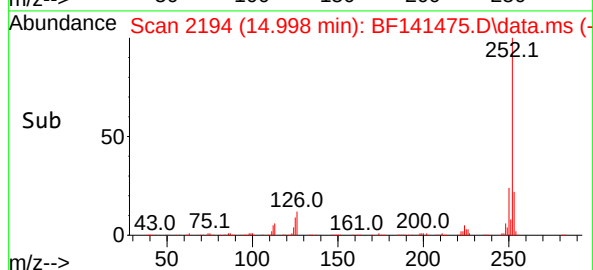
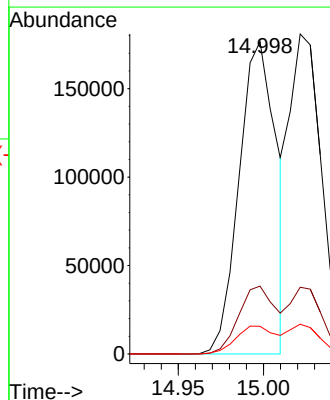
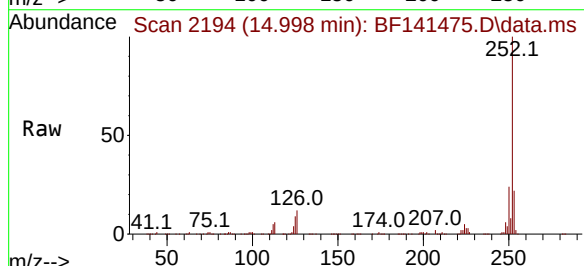
RT: 14.998 min Scan# 2194

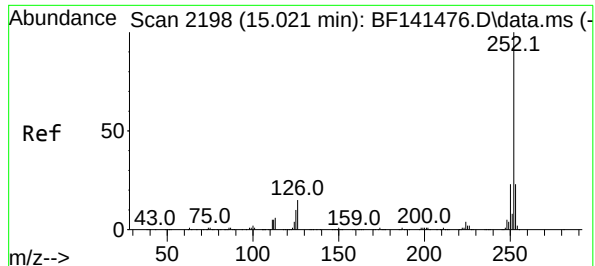
Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

Tgt Ion:	252	Resp:	267695
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	8.9	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 21.747 ng

RT: 15.022 min Scan# 2198

Delta R.T. -0.011 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

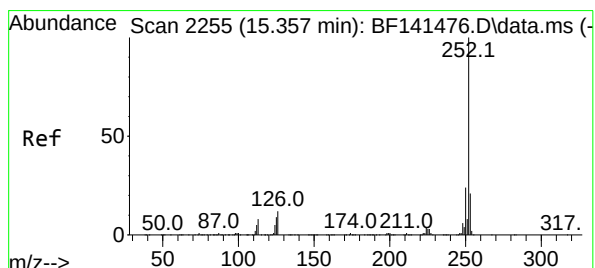
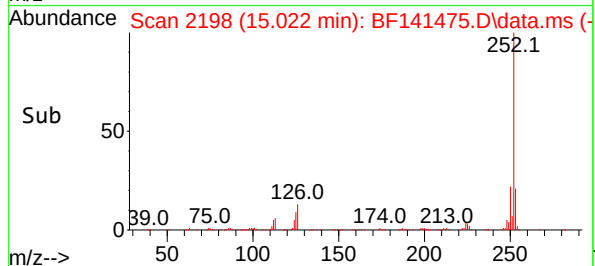
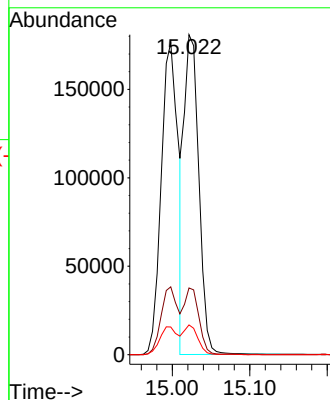
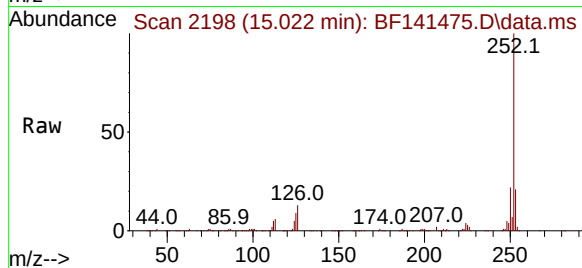
Tgt Ion:252 Resp: 238695

Ion Ratio Lower Upper

252 100

253 20.9 18.0 27.0

125 9.3 7.4 11.0



#90

Benzo(a)pyrene

Concen: 20.528 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141475.D

Acq: 06 Feb 2025 12:26

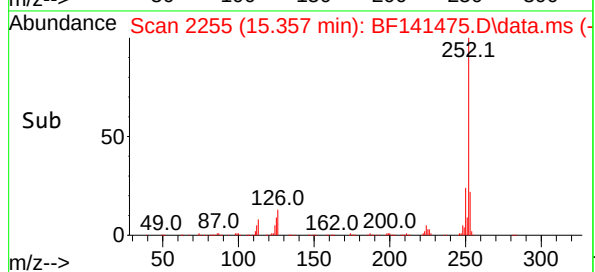
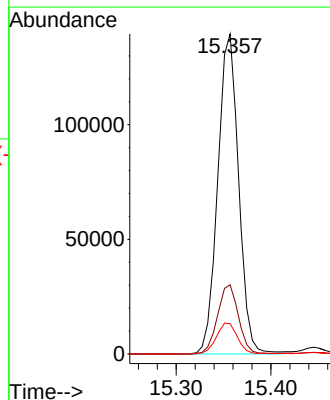
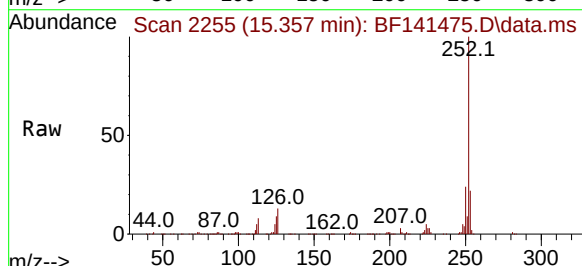
Tgt Ion:252 Resp: 213510

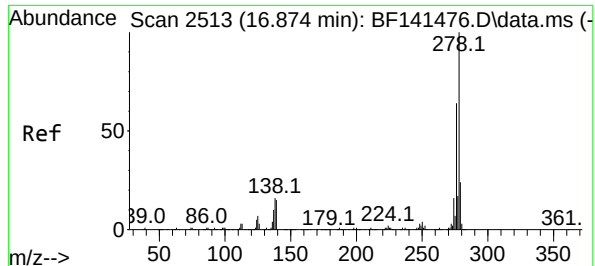
Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

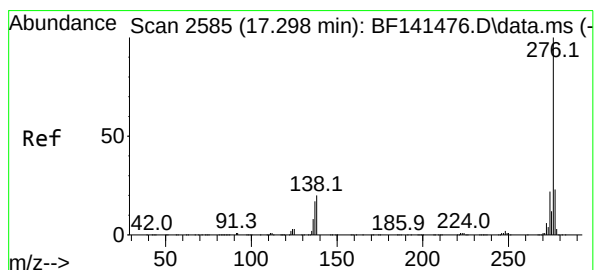
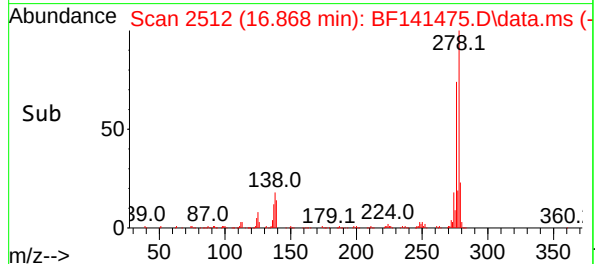
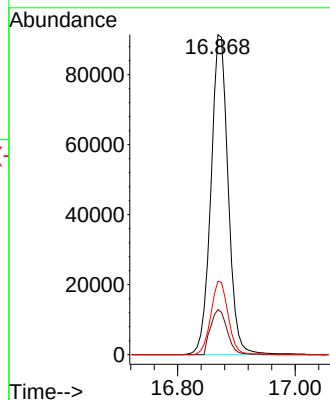
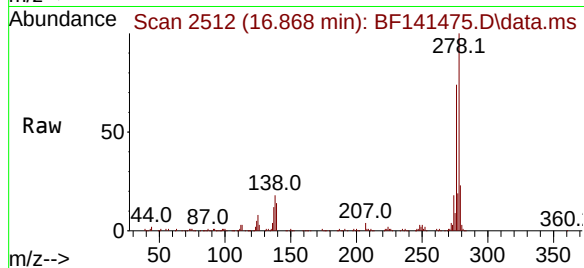
125 9.5 7.4 11.2





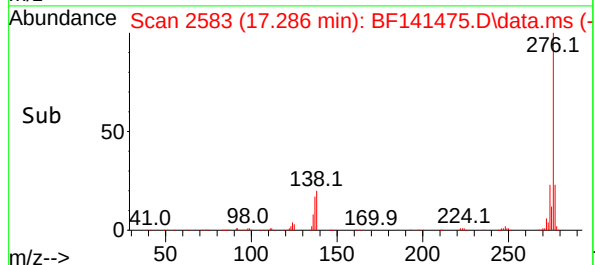
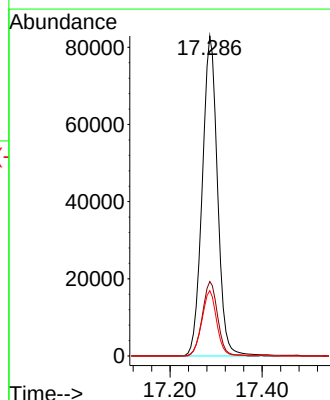
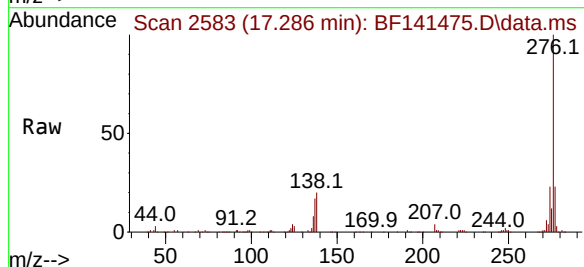
#91
Dibenzo(a,h)anthracene
Concen: 19.379 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.023 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:278 Resp: 185740
Ion Ratio Lower Upper
278 100
139 14.1 11.8 17.6
279 23.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 19.103 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141475.D
Acq: 06 Feb 2025 12:26

Tgt Ion:276 Resp: 191595
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 20.4 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141476.D
 Acq On : 06 Feb 2025 12:55
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 06 16:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89095	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	351555	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193385	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	336425	20.000	ng	0.00
76) Chrysene-d12	13.957	240	225462	20.000	ng	0.00
86) Perylene-d12	15.415	264	182907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	459422	80.841	ng	0.00
7) Phenol-d6	6.428	99	574808	80.025	ng	-0.01
23) Nitrobenzene-d5	7.357	82	540793	80.234	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	154725	79.647	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	981440	78.189	ng	0.00
79) Terphenyl-d14	12.904	244	1080174	80.879	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	92090	40.262	ng	100
3) Pyridine	3.210	79	225032	41.344	ng	100
4) n-Nitrosodimethylamine	3.163	42	145802	40.456	ng	100
6) Aniline	6.451	93	274102	40.681	ng	100
8) 2-Chlorophenol	6.581	128	245676	40.008	ng	100
9) Benzaldehyde	6.339	77	146382	38.350	ng	100
10) Phenol	6.445	94	300315	40.171	ng	100
11) bis(2-Chloroethyl)ether	6.528	93	225665	40.188	ng	100
12) 1,3-Dichlorobenzene	6.728	146	256806	39.613	ng	100
13) 1,4-Dichlorobenzene	6.804	146	262121	39.574	ng	100
14) 1,2-Dichlorobenzene	6.963	146	244757	39.814	ng	100
15) Benzyl Alcohol	6.934	79	224961	40.841	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	385739	40.130	ng	100
17) 2-Methylphenol	7.051	107	191970	39.951	ng	100
18) Hexachloroethane	7.298	117	98581	40.215	ng	100
19) n-Nitroso-di-n-propyla...	7.204	70	172712	40.198	ng	100
20) 3+4-Methylphenols	7.204	107	244439	40.024	ng	100
22) Acetophenone	7.198	105	346731	39.649	ng	100
24) Nitrobenzene	7.375	77	263188	40.044	ng	100
25) Isophorone	7.610	82	429323	39.948	ng	100
26) 2-Nitrophenol	7.686	139	135355	41.394	ng	100
27) 2,4-Dimethylphenol	7.728	122	156665	41.012	ng	100
28) bis(2-Chloroethoxy)met...	7.822	93	276730	40.185	ng	100
29) 2,4-Dichlorophenol	7.939	162	208390	40.375	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	222679	39.619	ng	100
31) Naphthalene	8.092	128	729358	39.856	ng	100
32) Benzoic acid	7.857	122	161196	40.625	ng	100
33) 4-Chloroaniline	8.151	127	255749	40.029	ng	100
34) Hexachlorobutadiene	8.210	225	135140	40.051	ng	100
35) Caprolactam	8.516	113	65155	41.461	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	231344	40.464	ng	100
37) 2-Methylnaphthalene	8.786	142	470332	39.496	ng	100
38) 1-Methylnaphthalene	8.886	142	461189	39.987	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	225938	40.383	ng	100
41) Hexachlorocyclopentadiene	8.939	237	78762	42.325	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	145682	40.288	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141476.D
 Acq On : 06 Feb 2025 12:55
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

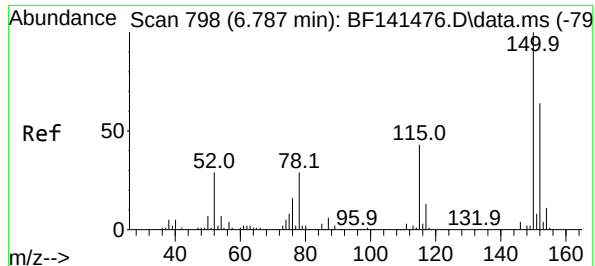
Quant Time: Feb 06 16:00:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158685	40.492	ng	100
46) 1,1'-Biphenyl	9.251	154	597404	39.846	ng	100
47) 2-Chloronaphthalene	9.275	162	438926	39.590	ng	100
48) 2-Nitroaniline	9.375	65	150922	40.563	ng	100
49) Acenaphthylene	9.692	152	656124	39.789	ng	100
50) Dimethylphthalate	9.551	163	520384	39.638	ng	100
51) 2,6-Dinitrotoluene	9.616	165	116338	40.536	ng	100
52) Acenaphthene	9.863	154	445515	40.186	ng	100
53) 3-Nitroaniline	9.786	138	123530	39.991	ng	100
54) 2,4-Dinitrophenol	9.892	184	68489	40.153	ng	100
55) Dibenzofuran	10.033	168	647242	39.775	ng	100
56) 4-Nitrophenol	9.957	139	96456	42.065	ng	100
57) 2,4-Dinitrotoluene	10.022	165	153824	40.262	ng	100
58) Fluorene	10.375	166	498929	39.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	134581	39.888	ng	100
60) Diethylphthalate	10.251	149	514358	39.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	240707	39.767	ng	100
62) 4-Nitroaniline	10.398	138	129392	41.253	ng	100
63) Azobenzene	10.527	77	512692	39.926	ng	100
65) 4,6-Dinitro-2-methylph...	10.427	198	95521	40.874	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421937	39.180	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	148603	39.522	ng	100
68) Hexachlorobenzene	10.927	284	152664	39.430	ng	100
69) Atrazine	11.016	200	124494	38.533	ng	100
70) Pentachlorophenol	11.122	266	103806	41.930	ng	100
71) Phenanthrene	11.339	178	729585	39.397	ng	100
72) Anthracene	11.392	178	728337	39.125	ng	100
73) Carbazole	11.551	167	663523	39.613	ng	100
74) Di-n-butylphthalate	11.880	149	767961	39.706	ng	100
75) Fluoranthene	12.527	202	774369	39.441	ng	100
77) Benzidine	12.651	184	238261	47.917	ng	100
78) Pyrene	12.757	202	786956	41.002	ng	100
80) Butylbenzylphthalate	13.380	149	274711	41.323	ng	100
81) Benzo(a)anthracene	13.945	228	606669	40.479	ng	100
82) 3,3'-Dichlorobenzidine	13.910	252	170181	39.640	ng	100
83) Chrysene	13.986	228	541376	39.121	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	310696	41.438	ng	100
85) Di-n-octyl phthalate	14.562	149	435142	40.682	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	471272	41.699	ng	100
88) Benzo(b)fluoranthene	14.998	252	488585	39.783	ng	100
89) Benzo(k)fluoranthene	15.021	252	417770	39.836	ng	100
90) Benzo(a)pyrene	15.357	252	395193	39.767	ng	100
91) Dibenzo(a,h)anthracene	16.874	278	384623	42.001	ng	100
92) Benzo(g,h,i)perylene	17.298	276	402413	41.992	ng	100

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

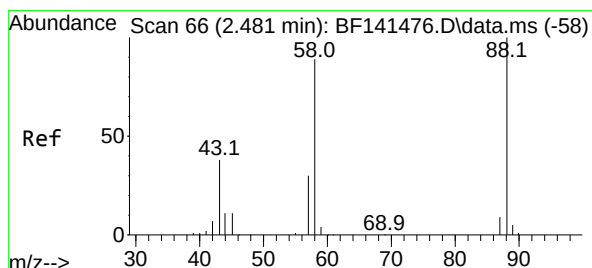
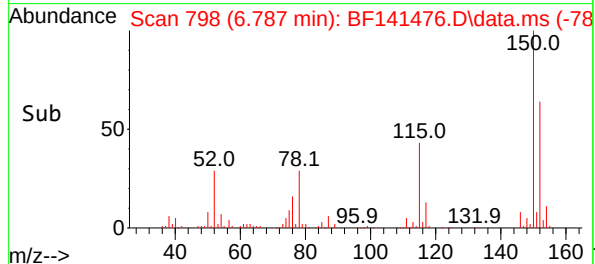
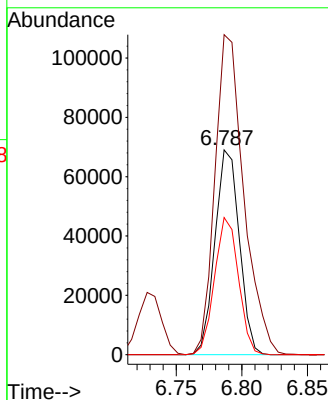
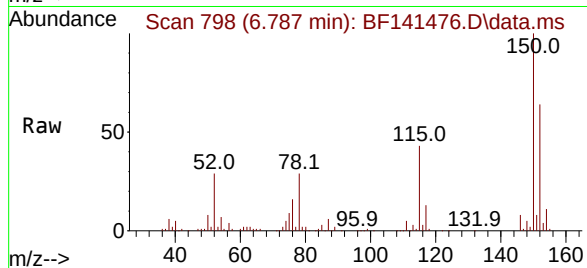
Quant Time: Feb 06 16:00:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





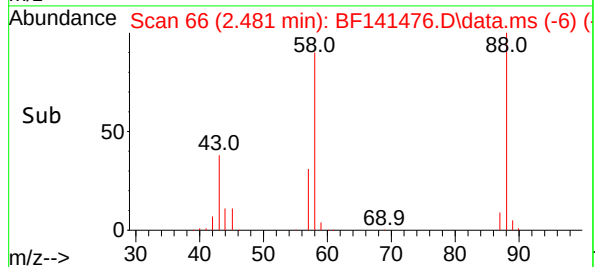
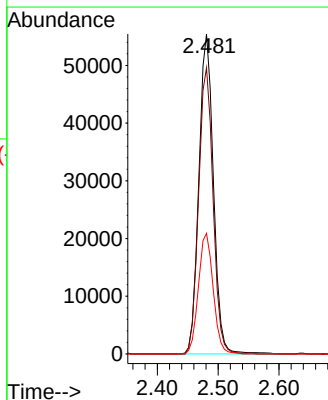
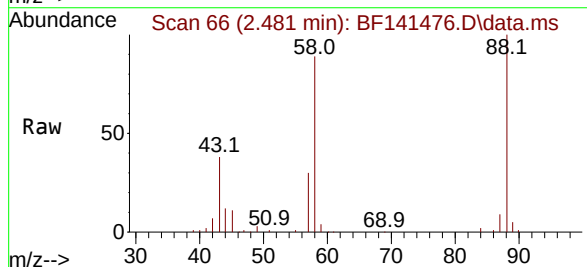
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

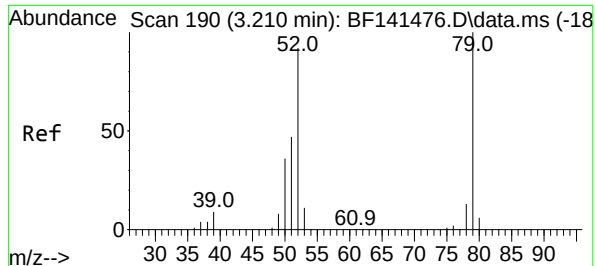
Tgt Ion:152 Resp: 89095
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 67.0 53.6 80.4



#2
1,4-Dioxane
Concen: 40.262 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

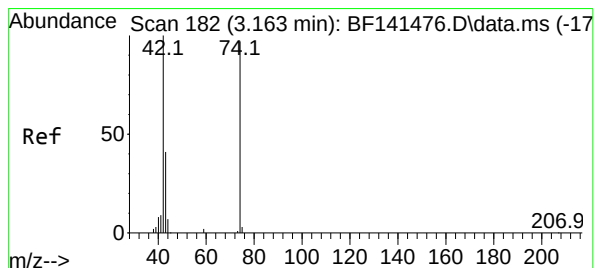
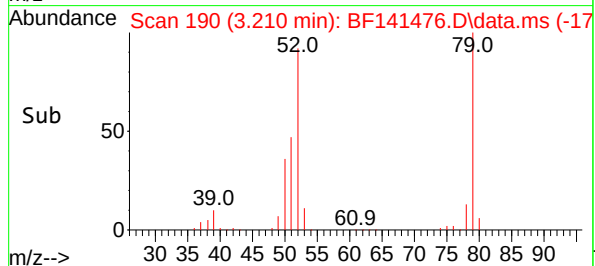
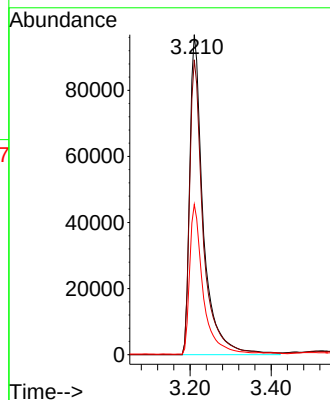
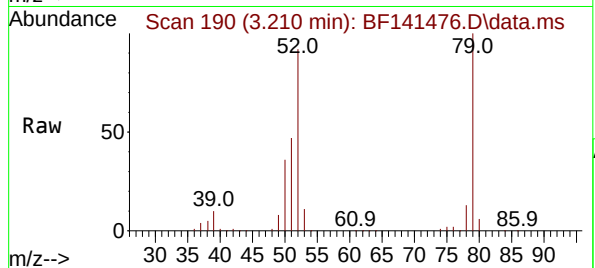
Tgt Ion: 88 Resp: 92090
Ion Ratio Lower Upper
88 100
58 88.9 71.1 106.7
43 38.3 30.6 46.0





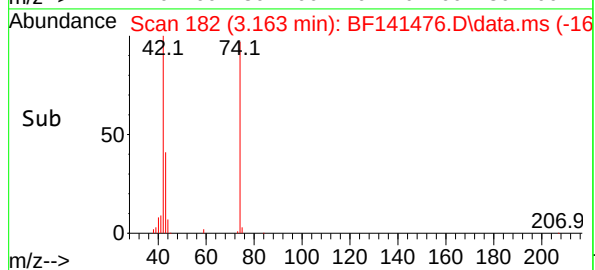
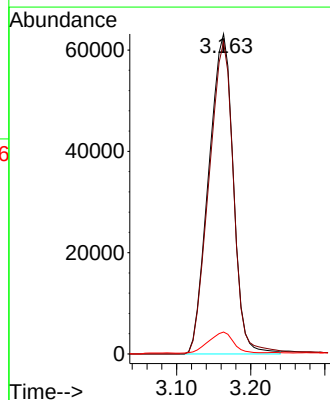
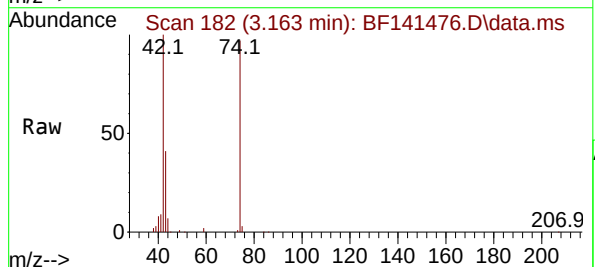
#3
Pyridine
Concen: 41.344 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

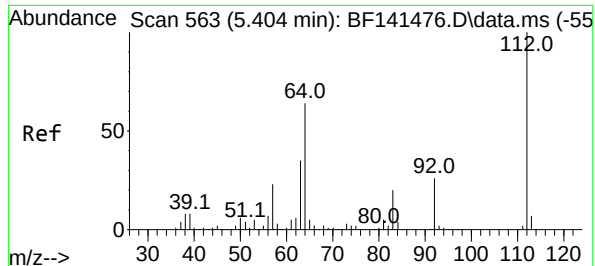
Tgt Ion: 79 Resp: 225032
Ion Ratio Lower Upper
79 100
52 92.1 73.7 110.5
51 46.9 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 40.456 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.023 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

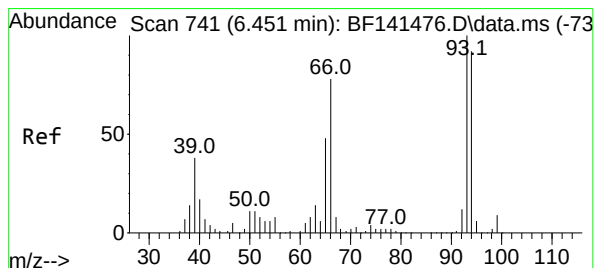
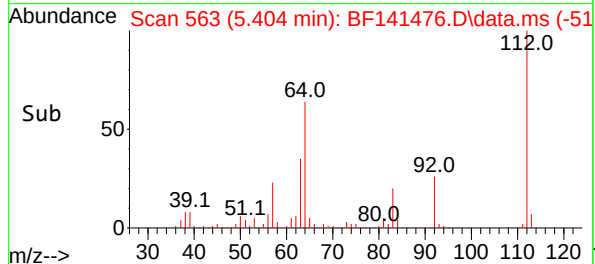
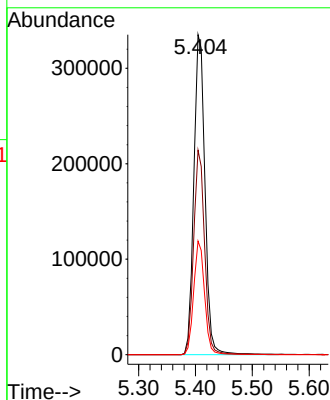
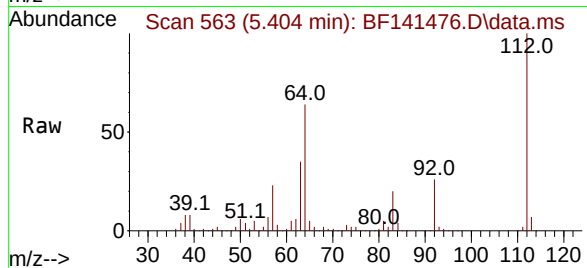
Tgt Ion: 42 Resp: 145802
Ion Ratio Lower Upper
42 100
74 97.5 78.0 117.0
44 6.8 5.4 8.2





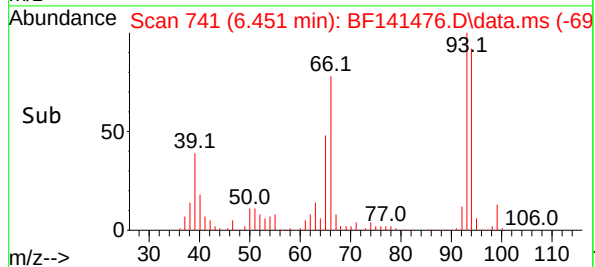
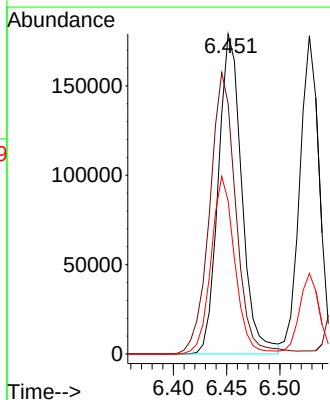
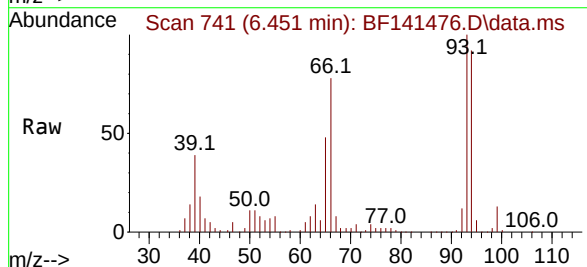
#5
2-Fluorophenol
Concen: 80.841 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

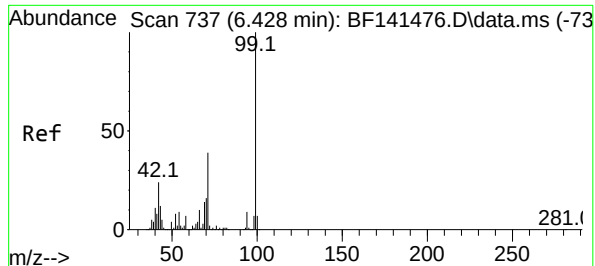
Tgt Ion:112 Resp: 459422
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 35.5 28.4 42.6



#6
Aniline
Concen: 40.681 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

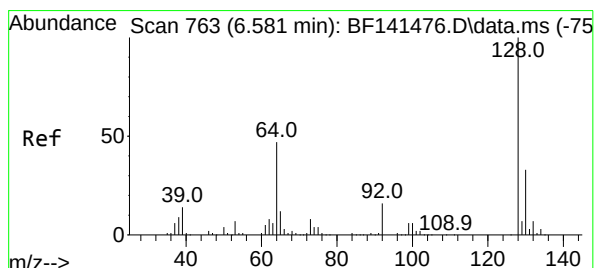
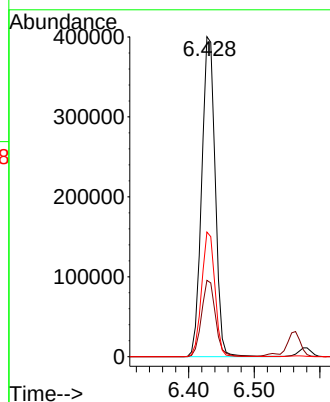
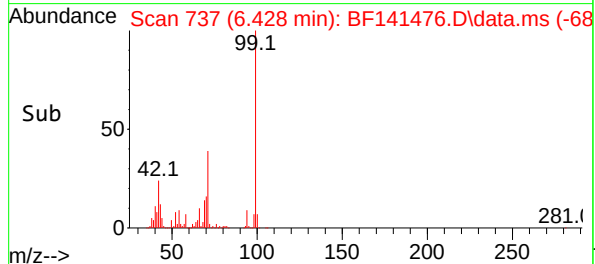
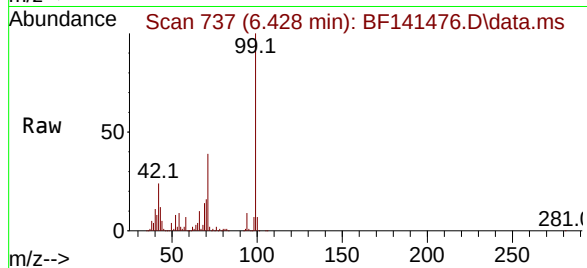
Tgt Ion: 93 Resp: 274102
Ion Ratio Lower Upper
93 100
66 78.3 62.6 94.0
65 47.9 38.3 57.5





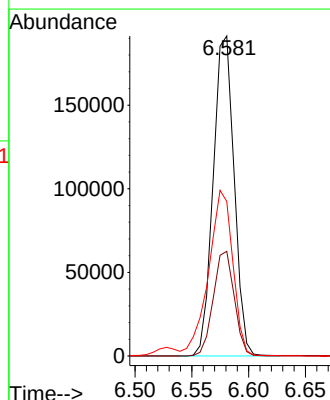
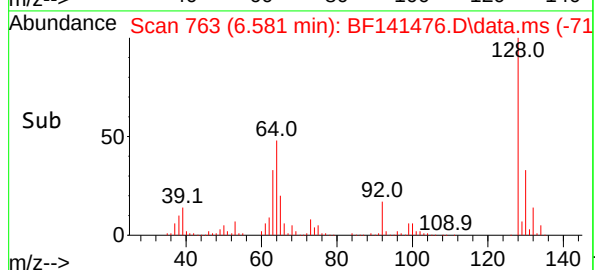
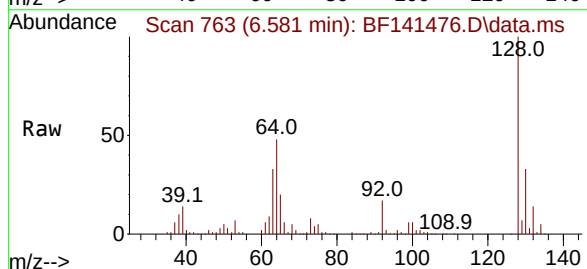
#7
Phenol-d6
Concen: 80.025 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

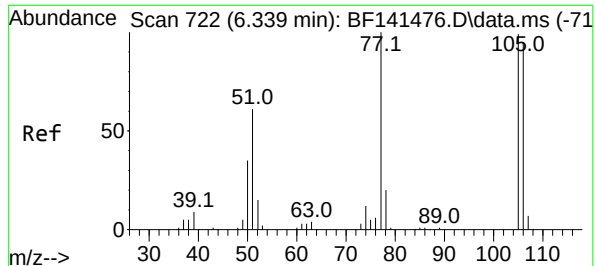
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.1	28.7
71	38.9	31.1	46.7



#8
2-Chlorophenol
Concen: 40.008 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

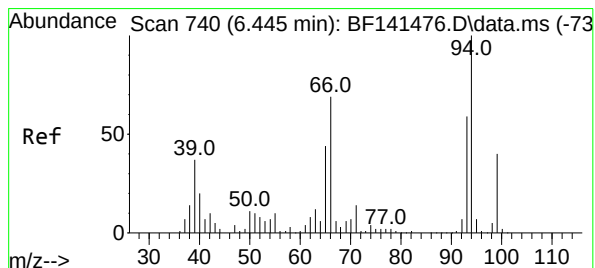
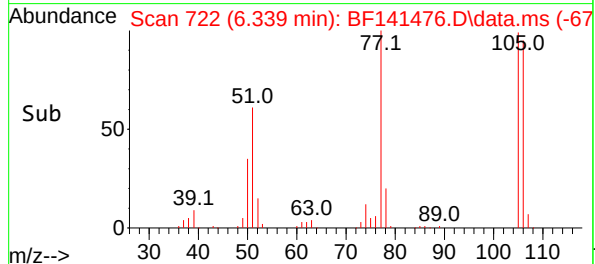
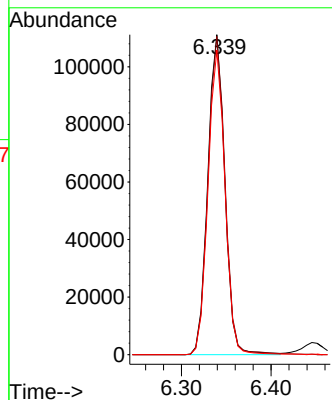
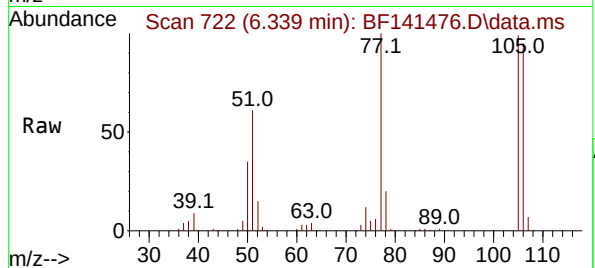
Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	48.3	28.3	68.3





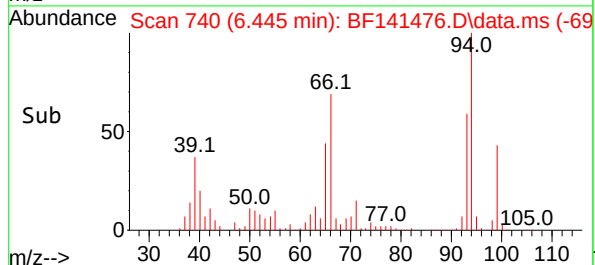
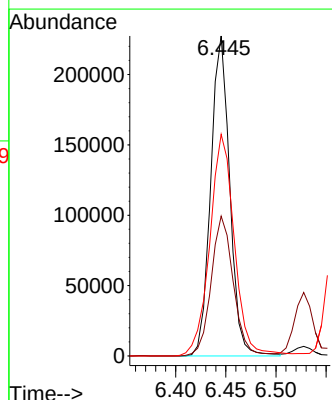
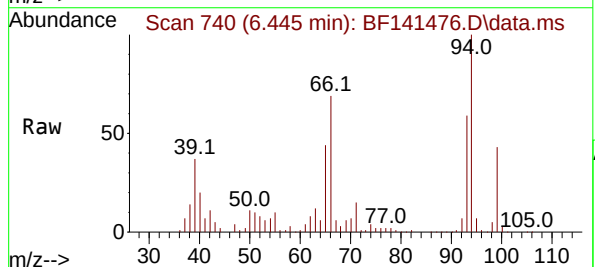
#9
Benzaldehyde
Concen: 38.350 ng
RT: 6.339 min Scan# 722
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

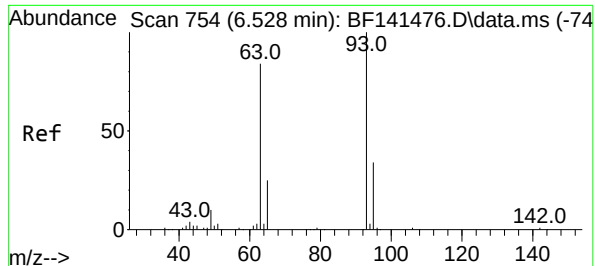
Tgt Ion: 77 Resp: 146382
Ion Ratio Lower Upper
77 100
105 99.4 79.4 119.4
106 95.1 75.1 115.1



#10
Phenol
Concen: 40.171 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

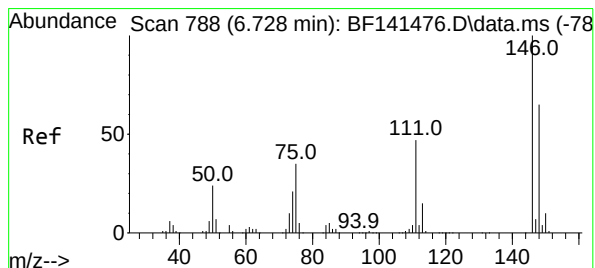
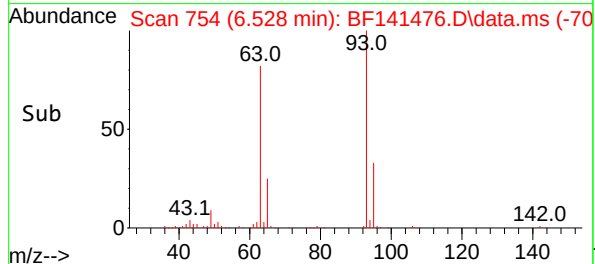
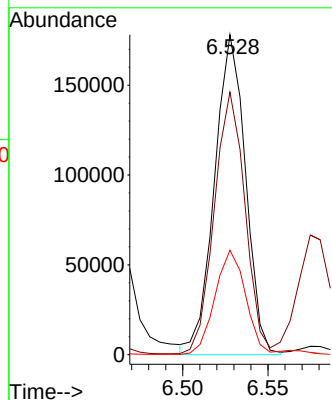
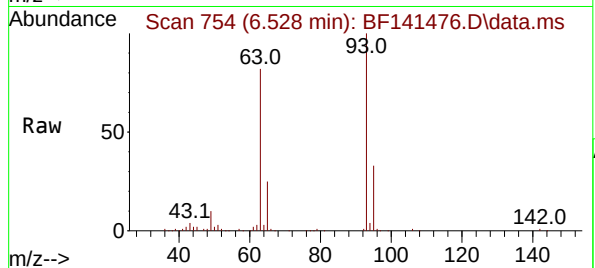
Tgt Ion: 94 Resp: 300315
Ion Ratio Lower Upper
94 100
65 43.7 23.7 63.7
66 69.3 49.3 89.3





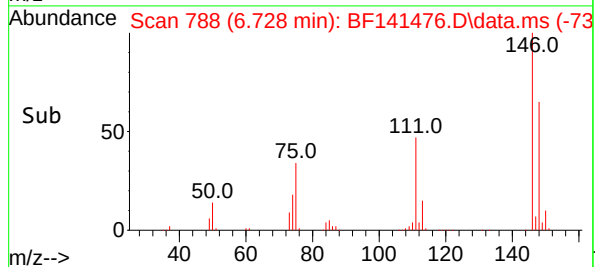
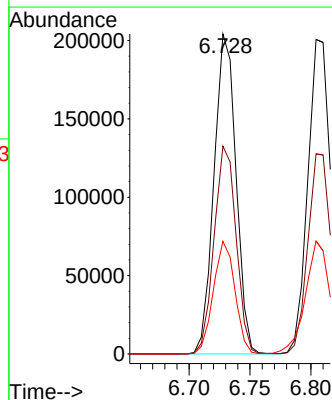
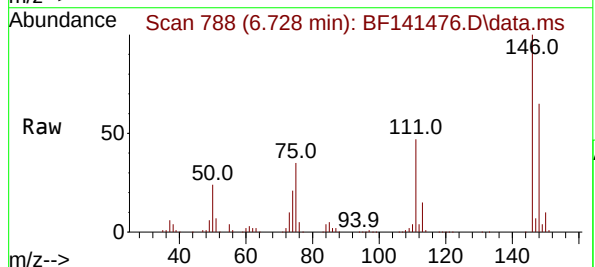
#11
bis(2-Chloroethyl)ether
Concen: 40.188 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

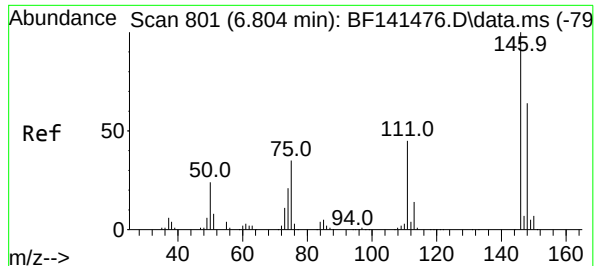
Tgt Ion: 93 Resp: 225665
Ion Ratio Lower Upper
93 100
63 82.0 62.0 102.0
95 32.6 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 39.613 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 146 Resp: 256806
Ion Ratio Lower Upper
146 100
148 64.9 51.9 77.9
75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 39.574 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

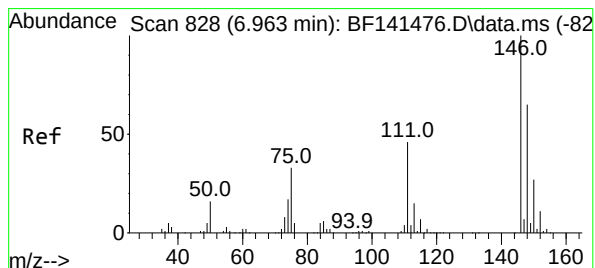
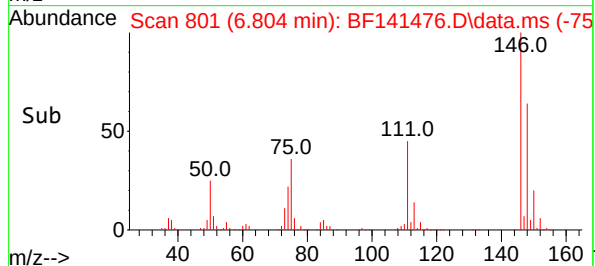
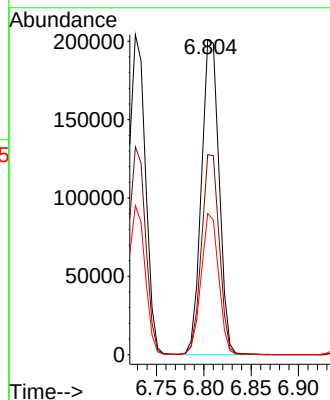
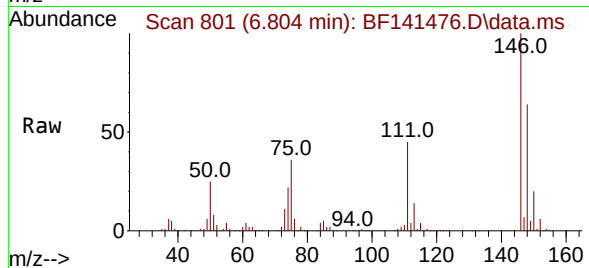
Tgt Ion:146 Resp: 262121

Ion Ratio Lower Upper

146 100

148 63.6 50.9 76.3

111 44.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 39.814 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

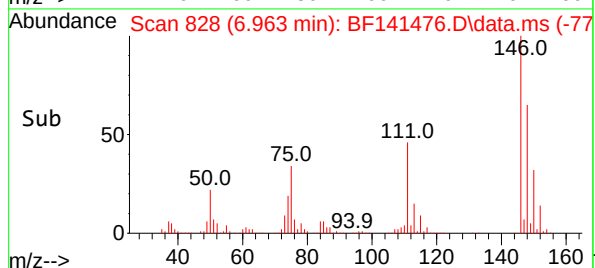
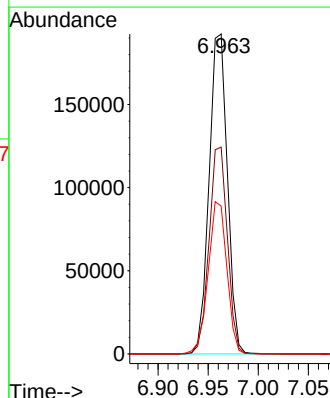
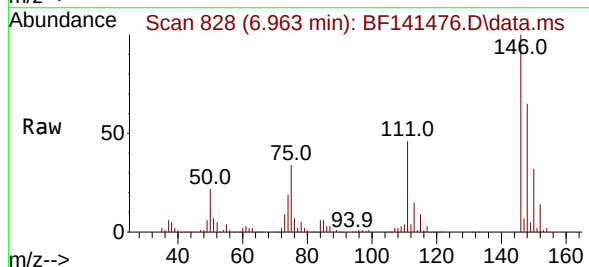
Tgt Ion:146 Resp: 244757

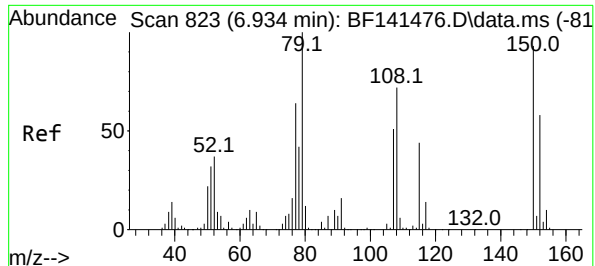
Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

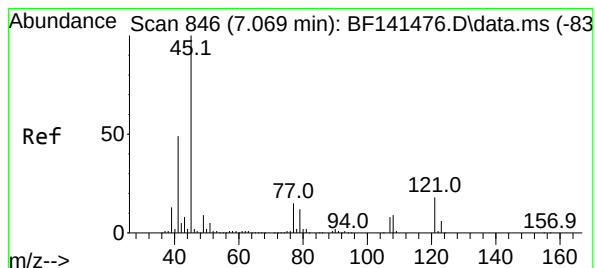
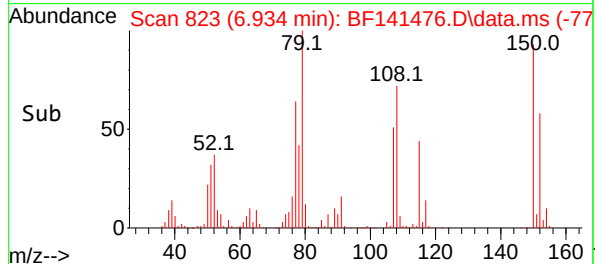
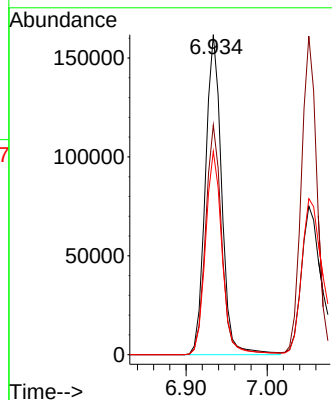
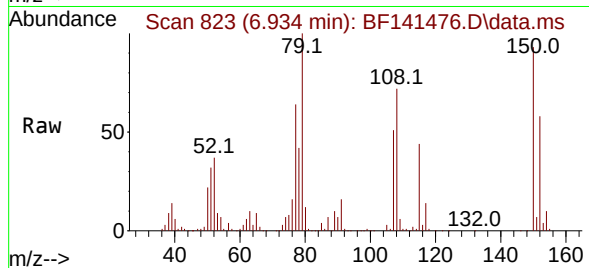
111 46.2 37.0 55.4





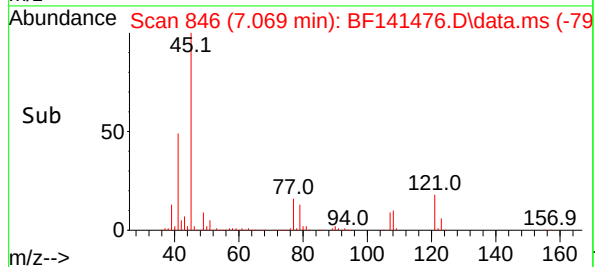
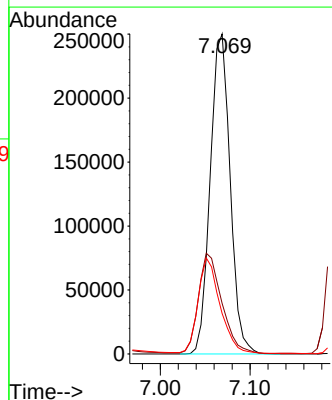
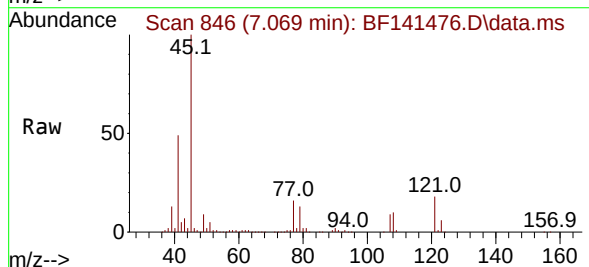
#15
Benzyl Alcohol
Concen: 40.841 ng
RT: 6.934 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

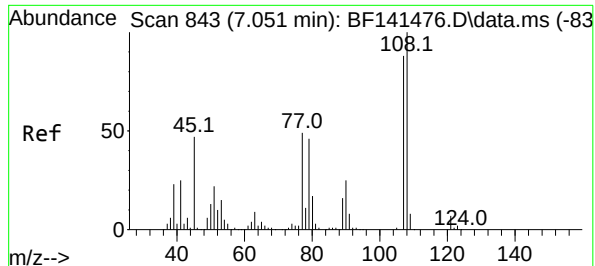
Tgt Ion: 79 Resp: 224961
Ion Ratio Lower Upper
79 100
108 71.8 57.4 86.2
77 63.6 50.9 76.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.130 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

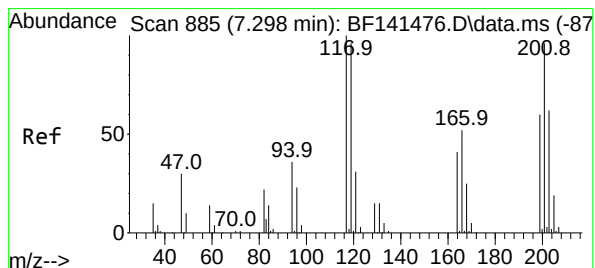
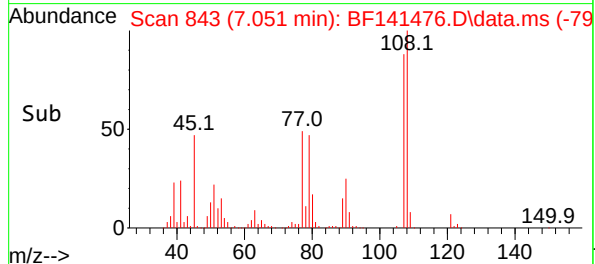
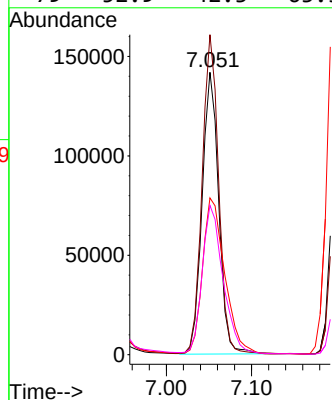
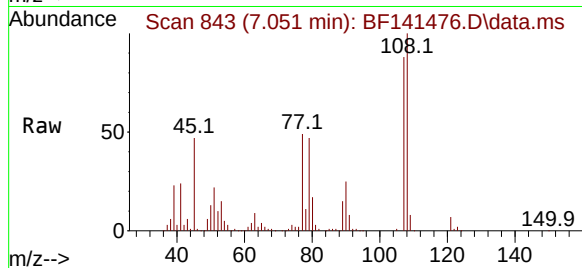
Tgt Ion: 45 Resp: 385739
Ion Ratio Lower Upper
45 100
77 15.8 0.0 35.8
79 12.7 0.0 32.7





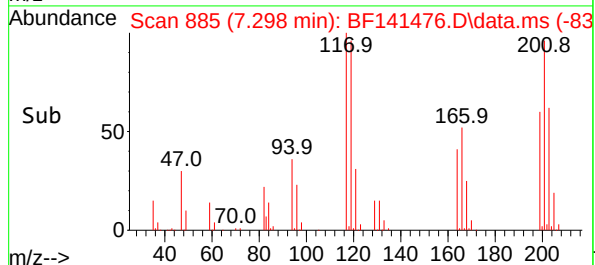
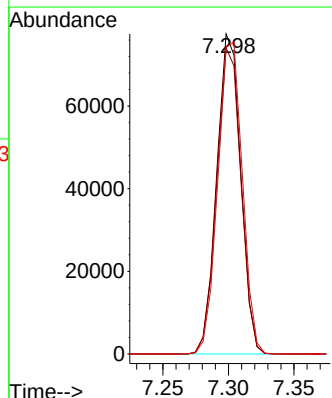
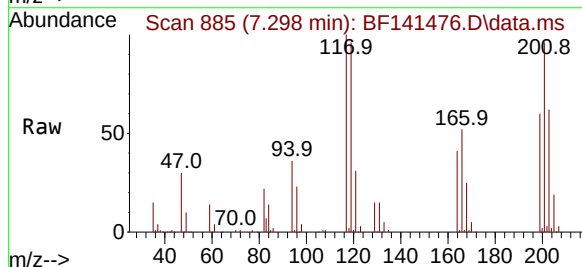
#17
2-Methylphenol
Concen: 39.951 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

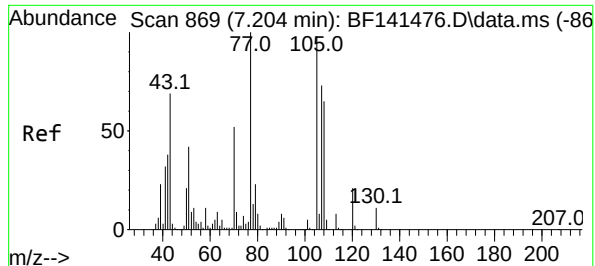
Tgt Ion:	107	Resp:	191970
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.5	44.4	66.6
79	52.9	42.3	63.5



#18
Hexachloroethane
Concen: 40.215 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:	117	Resp:	98581
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
201	95.9	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.198 ng

RT: 7.204 min Scan# 869

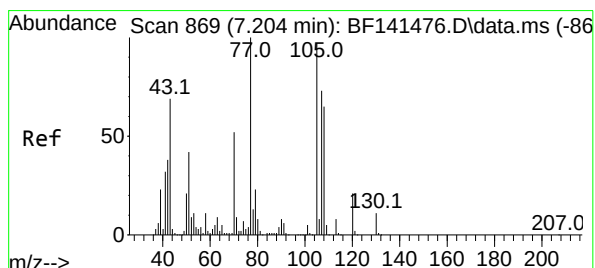
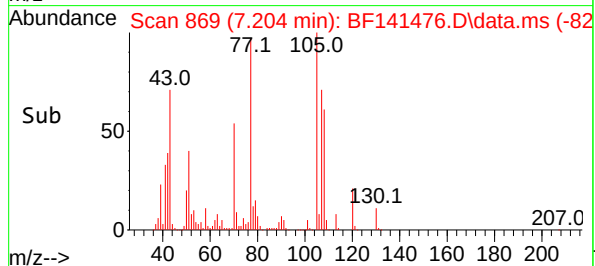
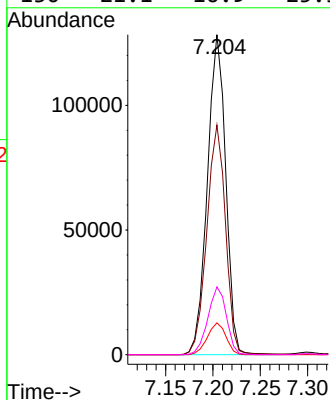
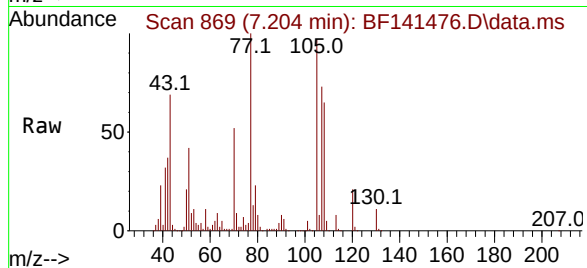
Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion: 70 Resp: 172712

Ion	Ratio	Lower	Upper
70	100		
42	71.8	57.4	86.2
101	10.0	8.0	12.0
130	21.1	16.9	25.3



#20

3+4-Methylphenols

Concen: 40.024 ng

RT: 7.204 min Scan# 869

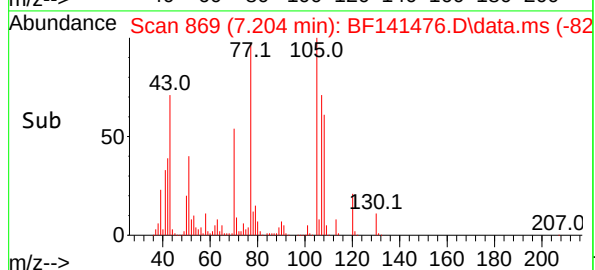
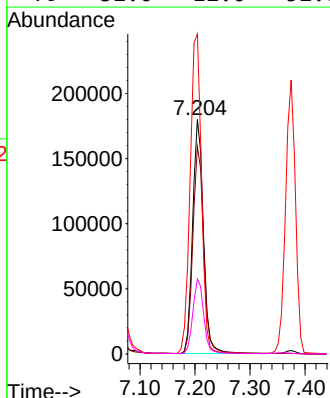
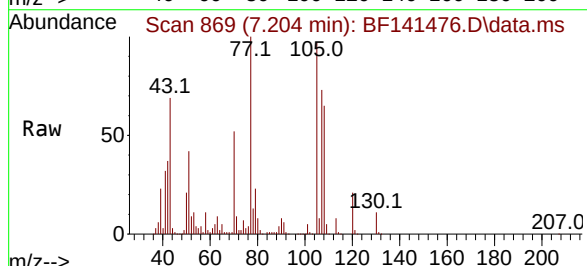
Delta R.T. -0.012 min

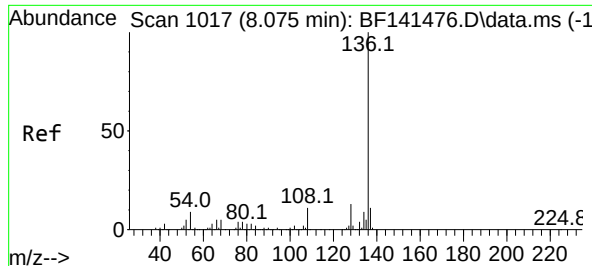
Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:107 Resp: 244439

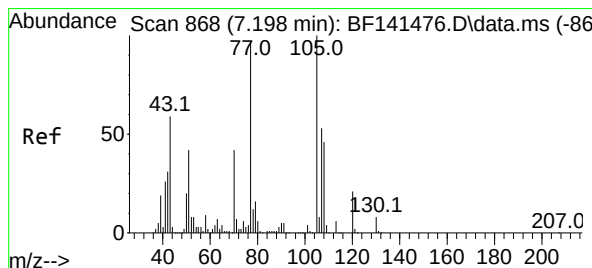
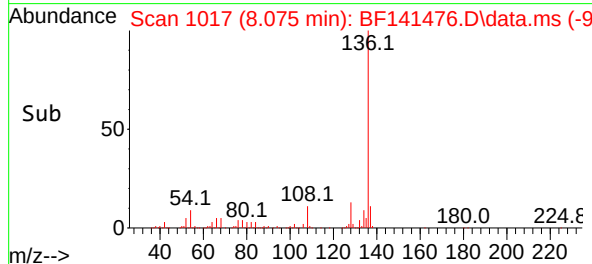
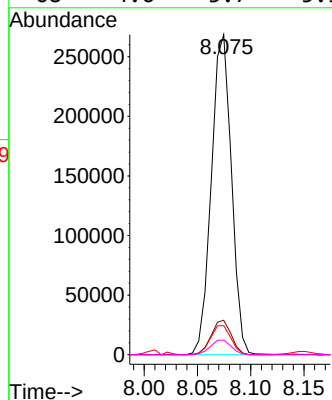
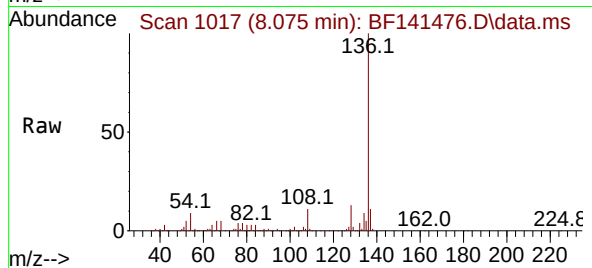
Ion	Ratio	Lower	Upper
107	100		
108	88.5	68.5	108.5
77	136.5	116.5	156.5
79	32.0	12.0	52.0





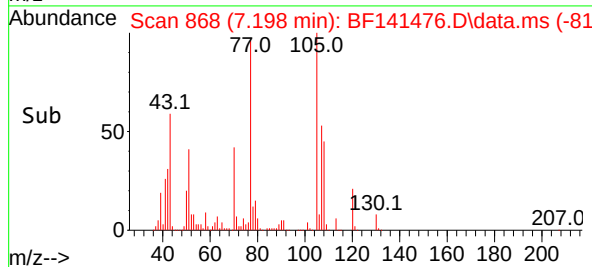
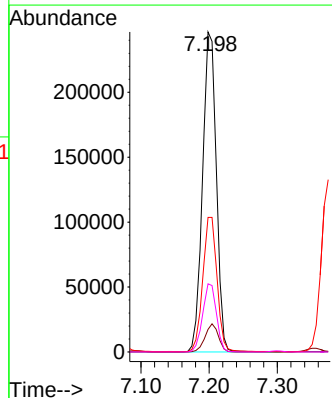
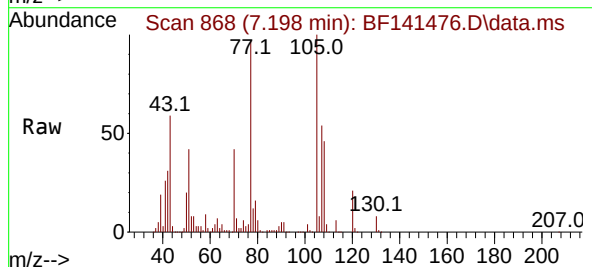
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

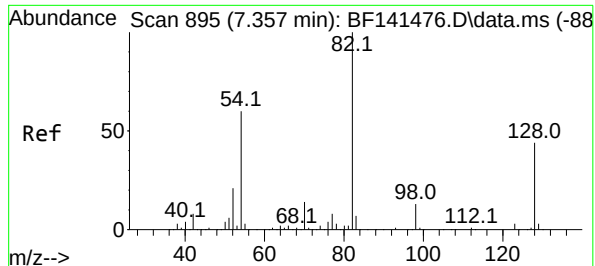
Tgt Ion:	136	Resp:	351555
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.0	7.2	10.8
68	4.6	3.7	5.5



#22
Acetophenone
Concen: 39.649 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:	105	Resp:	346731
Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.7	8.5
51	42.1	33.7	50.5
120	21.3	17.0	25.6





#23

Nitrobenzene-d5

Concen: 80.234 ng

RT: 7.357 min Scan# 895

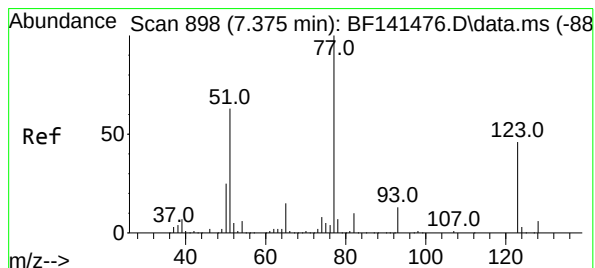
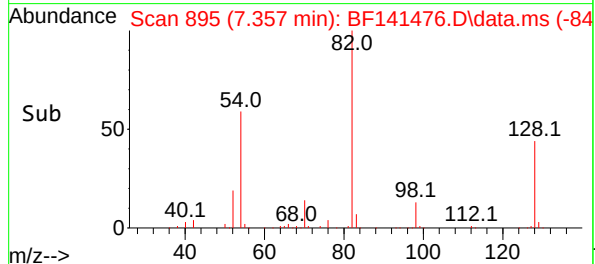
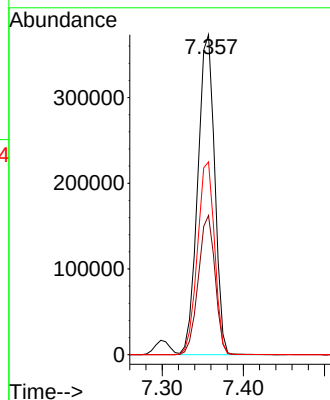
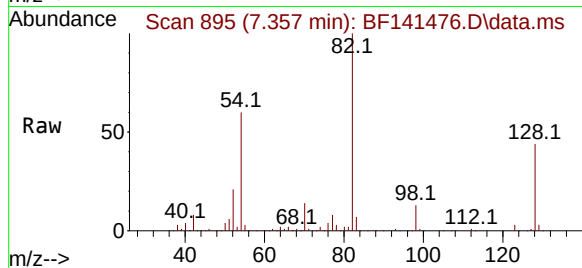
Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion: 82 Resp: 540793

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	60.3	48.2	72.4



#24

Nitrobenzene

Concen: 40.044 ng

RT: 7.375 min Scan# 898

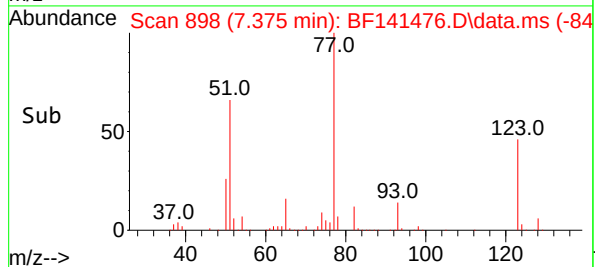
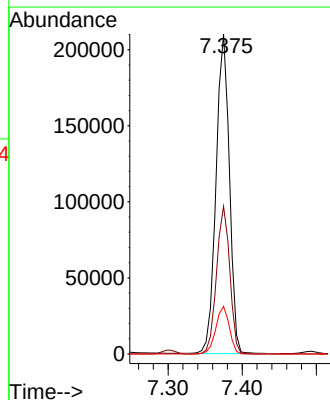
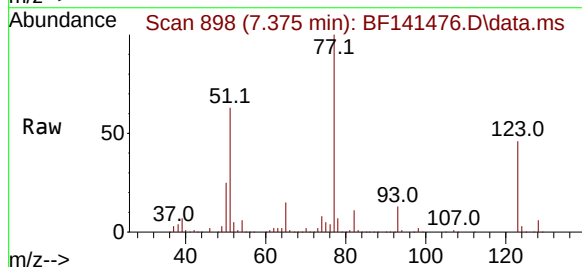
Delta R.T. -0.006 min

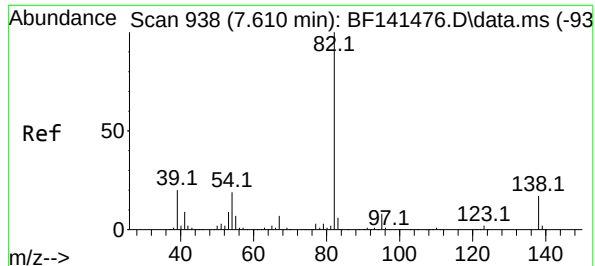
Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion: 77 Resp: 263188

Ion	Ratio	Lower	Upper
77	100		
123	46.1	36.9	55.3
65	14.9	11.9	17.9





#25

Isophorone

Concen: 39.948 ng

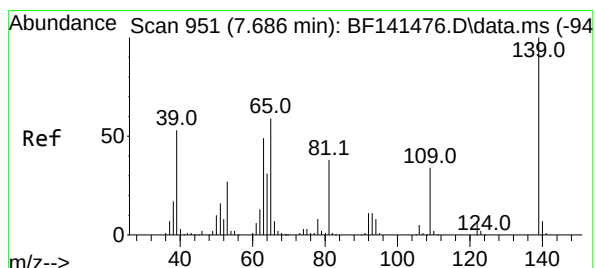
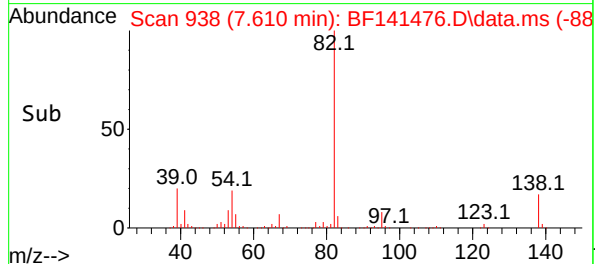
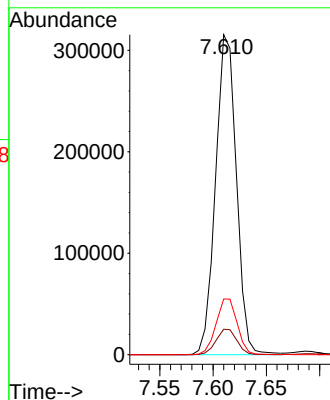
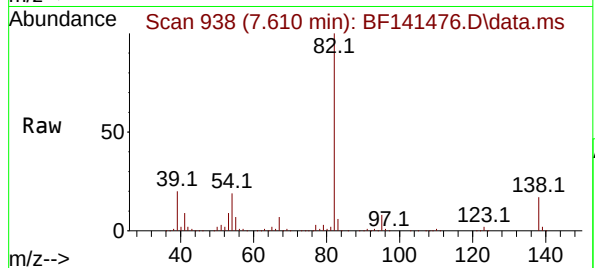
RT: 7.610 min Scan# 938

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:	82	Resp:	429323
Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	17.4	13.9	20.9



#26

2-Nitrophenol

Concen: 41.394 ng

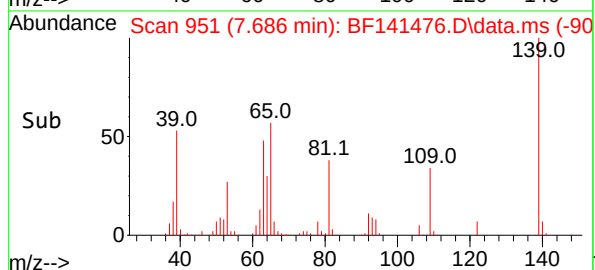
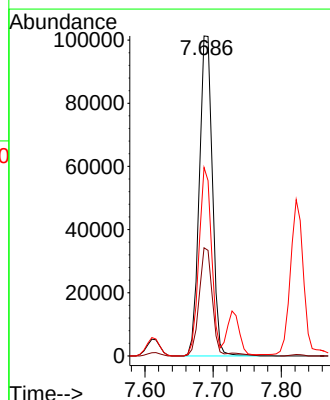
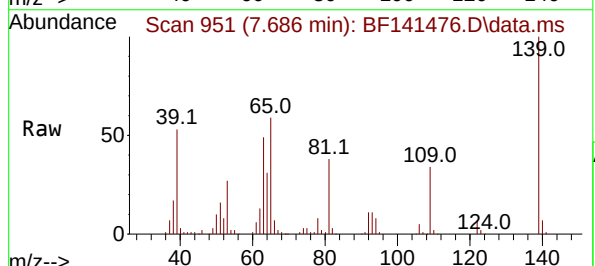
RT: 7.686 min Scan# 951

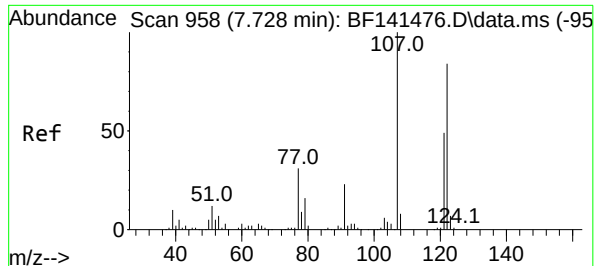
Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:	139	Resp:	135355
Ion	Ratio	Lower	Upper
139	100		
109	33.8	27.0	40.6
65	58.9	47.1	70.7





#27

2,4-Dimethylphenol

Concen: 41.012 ng

RT: 7.728 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

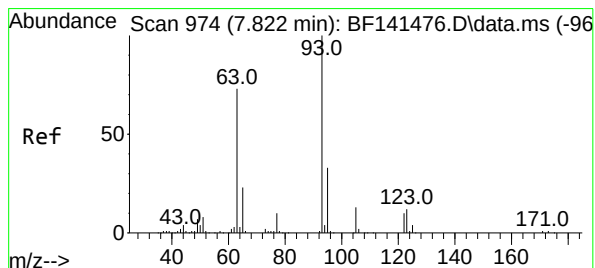
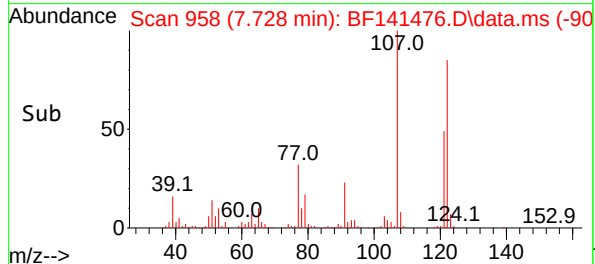
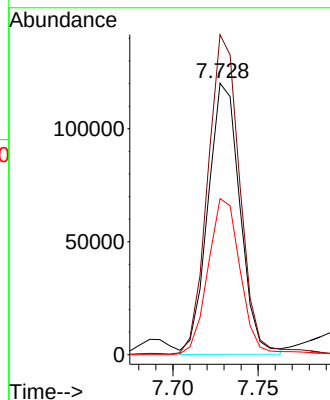
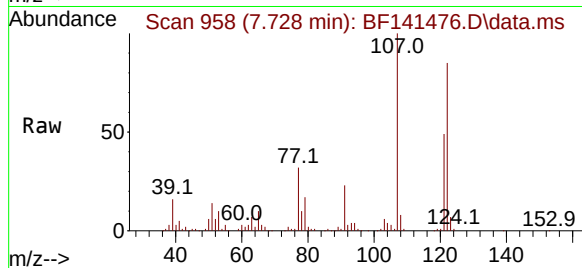
Tgt Ion:122 Resp: 156665

Ion Ratio Lower Upper

122 100

107 117.9 94.3 141.5

121 57.5 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 40.185 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

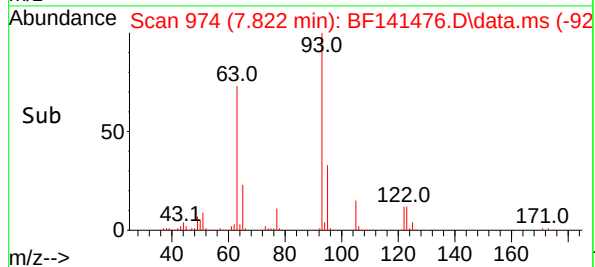
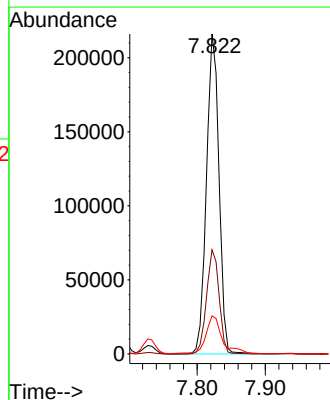
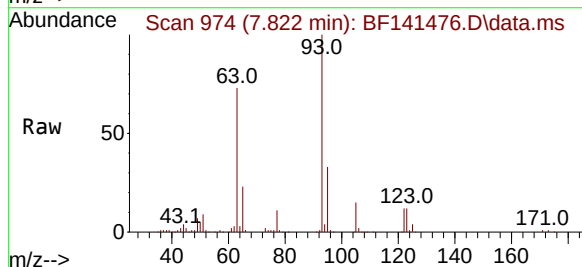
Tgt Ion: 93 Resp: 276730

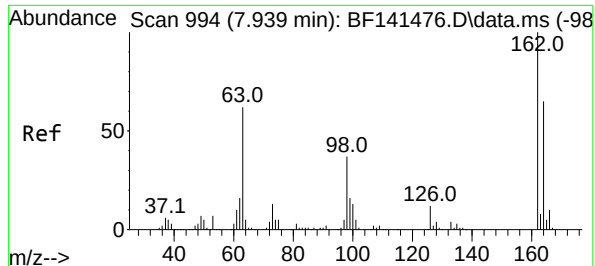
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.375 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

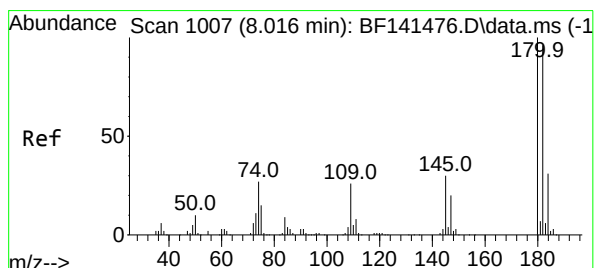
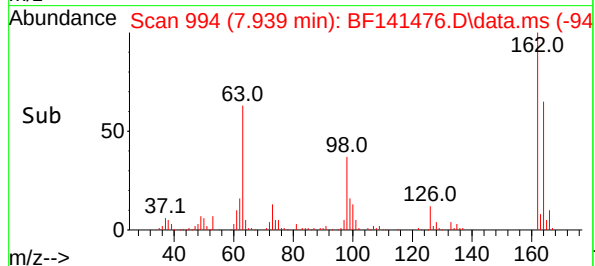
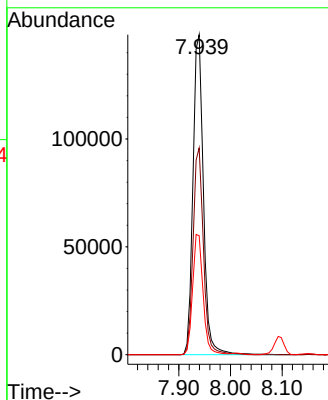
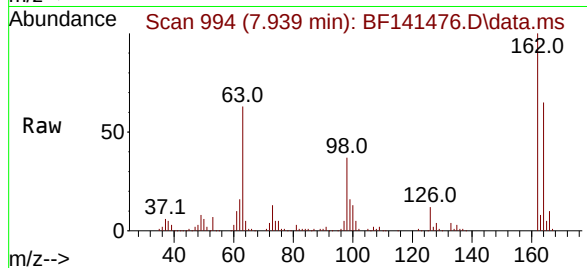
Tgt Ion:162 Resp: 208390

Ion Ratio Lower Upper

162 100

164 64.6 44.6 84.6

98 37.2 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 39.619 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

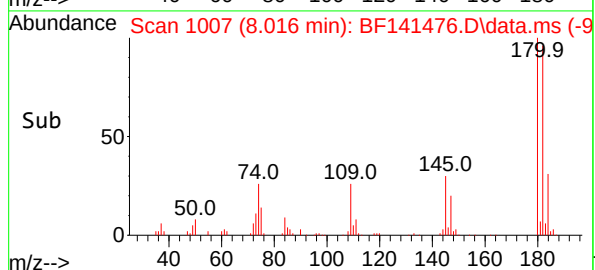
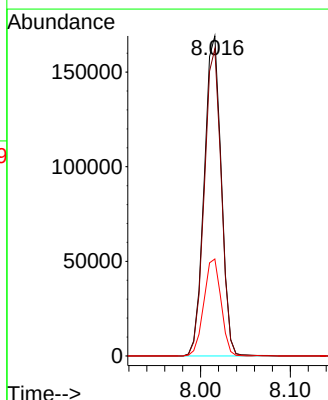
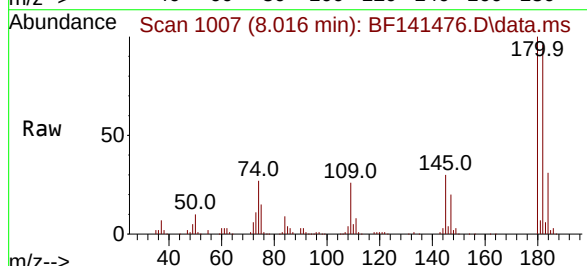
Tgt Ion:180 Resp: 222679

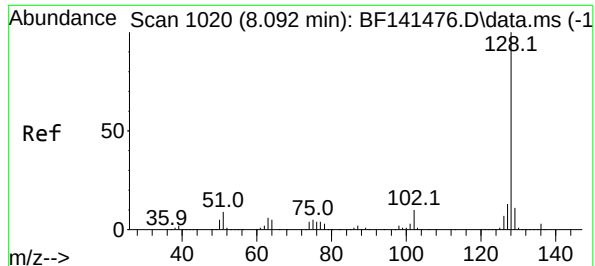
Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

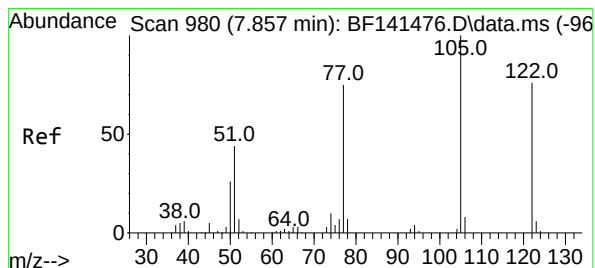
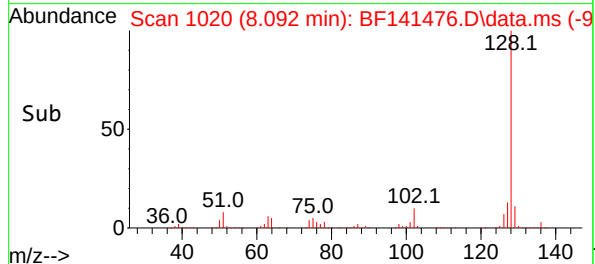
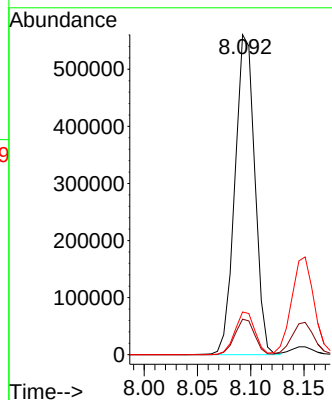
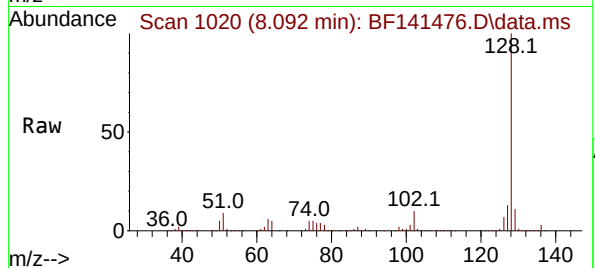
145 30.3 24.2 36.4





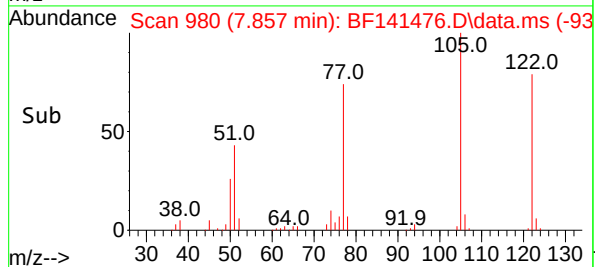
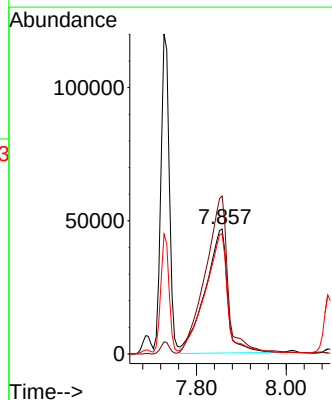
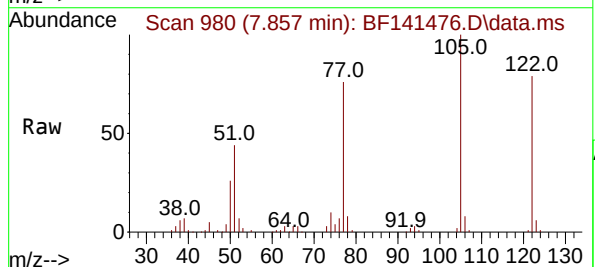
#31
Naphthalene
Concen: 39.856 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

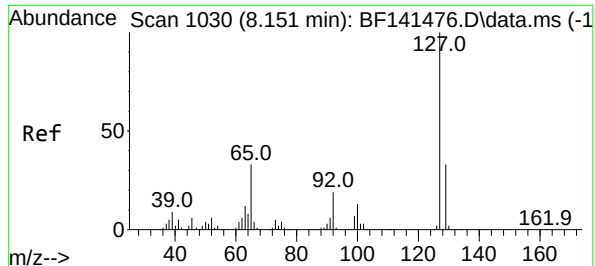
Tgt Ion:128 Resp: 729358
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 40.625 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

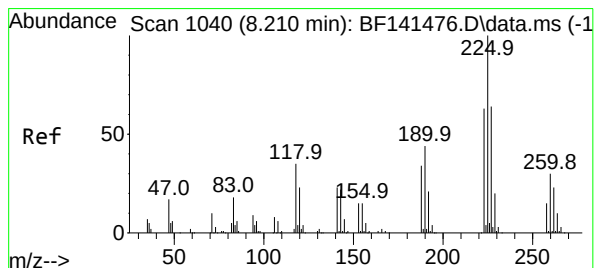
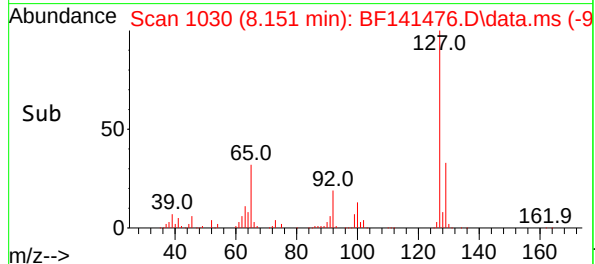
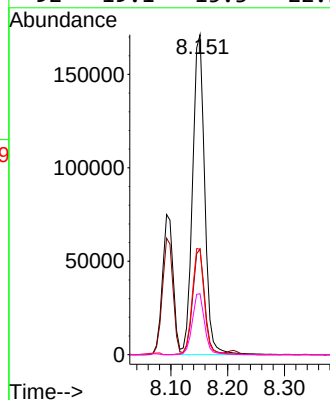
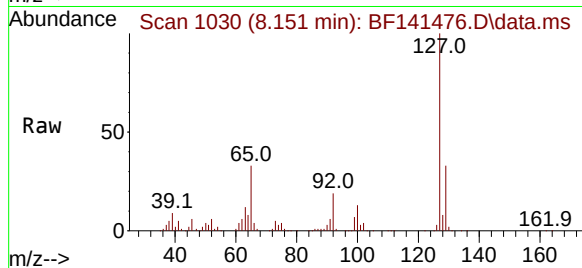
Tgt Ion:122 Resp: 161196
Ion Ratio Lower Upper
122 100
105 126.5 106.5 146.5
77 96.3 76.3 116.3





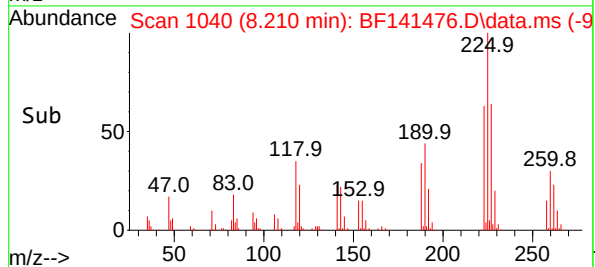
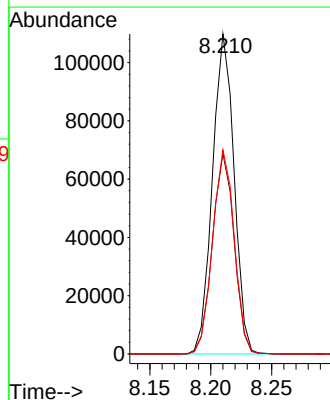
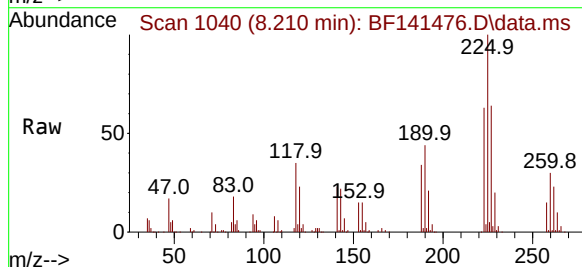
#33
4-Chloroaniline
Concen: 40.029 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

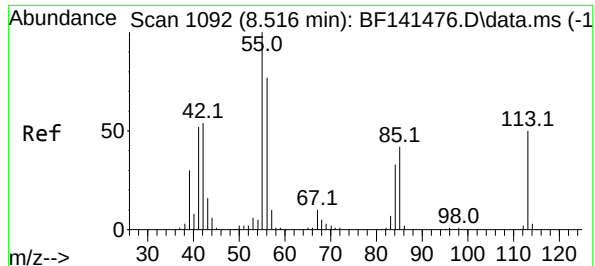
Tgt Ion:	127	Resp:	255749
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.5	39.7
65	33.0	26.4	39.6
92	19.1	15.3	22.9



#34
Hexachlorobutadiene
Concen: 40.051 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:	225	Resp:	135140
Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.1	75.1
227	63.8	51.0	76.6





#35

Caprolactam

Concen: 41.461 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.029 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

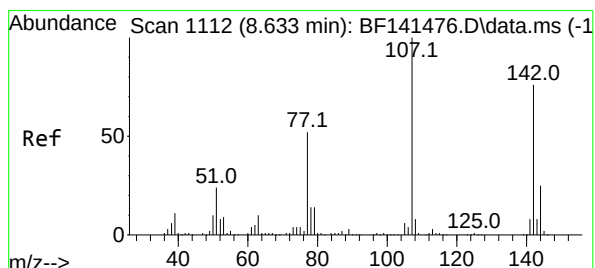
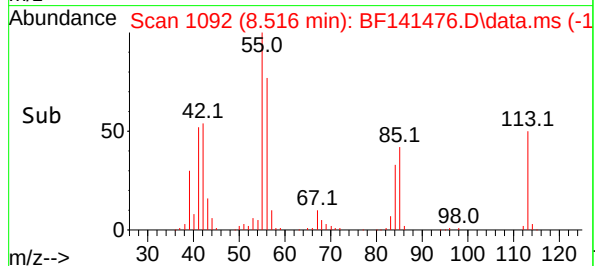
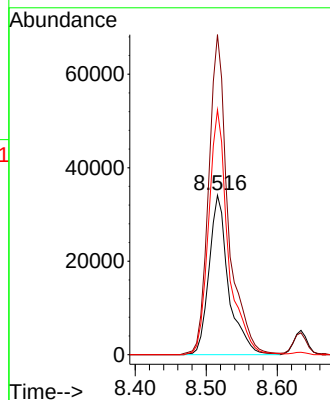
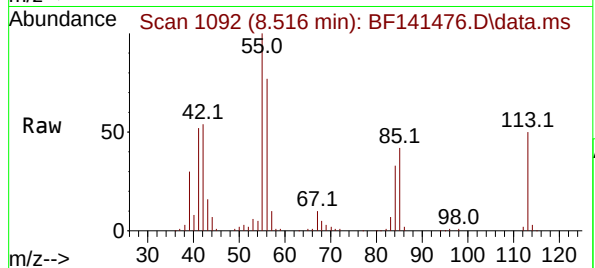
Tgt Ion:113 Resp: 65155

Ion Ratio Lower Upper

113 100

55 200.8 180.8 220.8

56 153.6 133.6 173.6



#36

4-Chloro-3-methylphenol

Concen: 40.464 ng

RT: 8.633 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

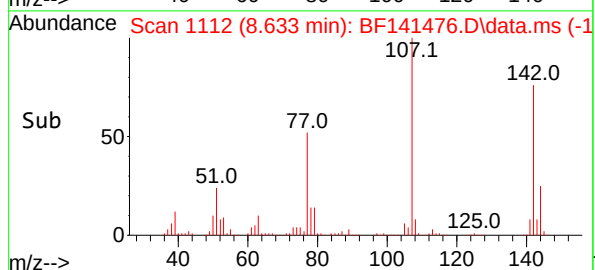
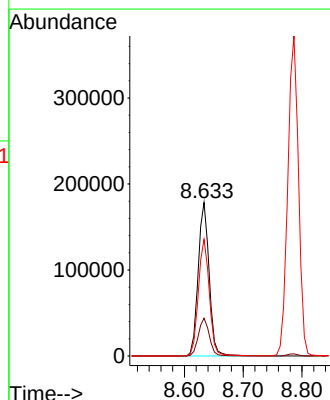
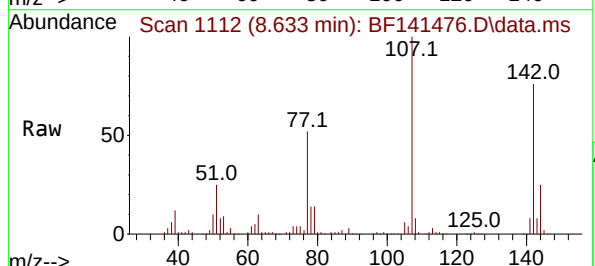
Tgt Ion:107 Resp: 231344

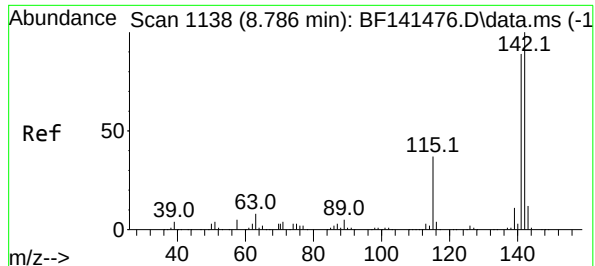
Ion Ratio Lower Upper

107 100

144 24.6 19.7 29.5

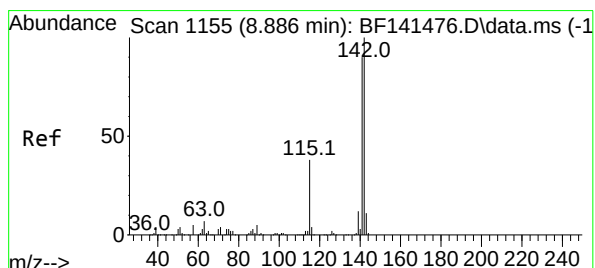
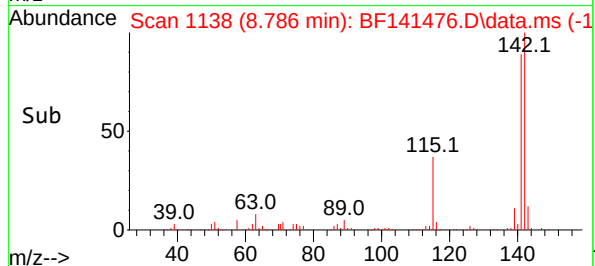
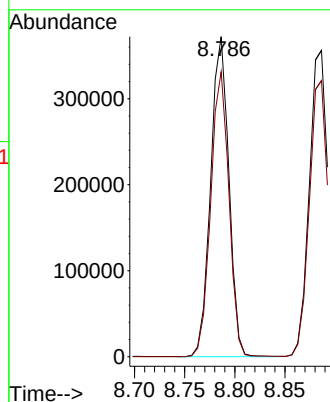
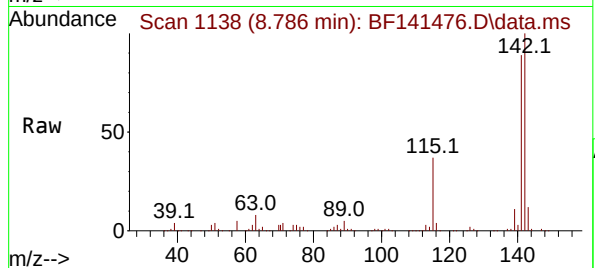
142 76.0 60.8 91.2





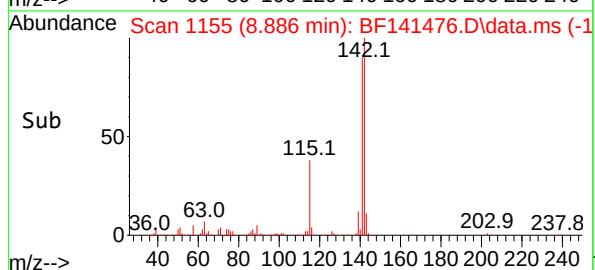
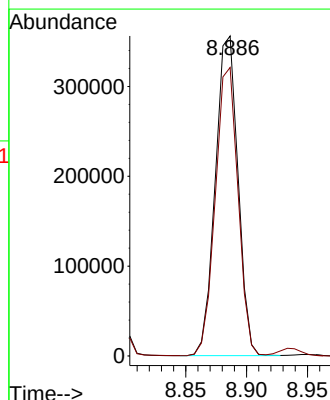
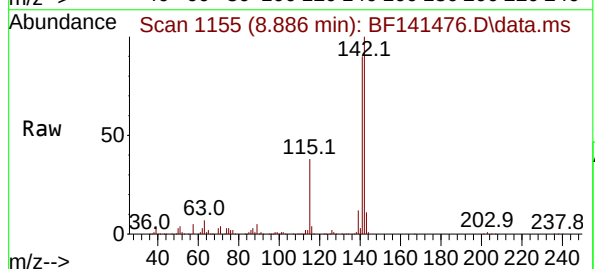
#37
2-Methylnaphthalene
Concen: 39.496 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

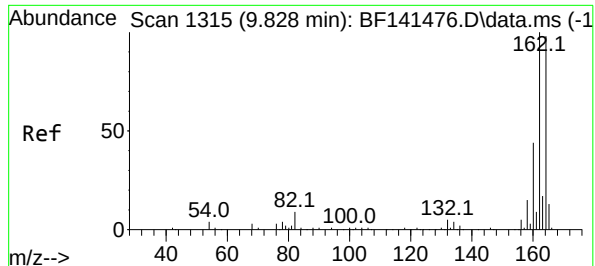
Tgt Ion:142 Resp: 470332
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 39.987 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:142 Resp: 461189
Ion Ratio Lower Upper
142 100
141 90.1 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

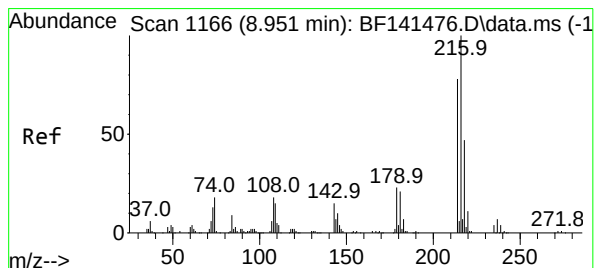
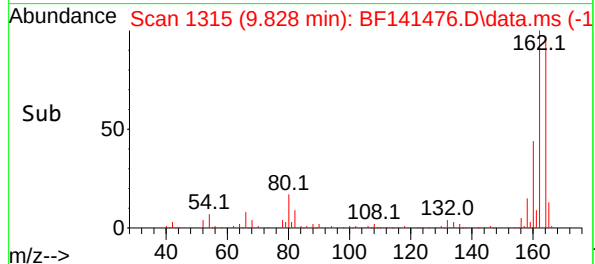
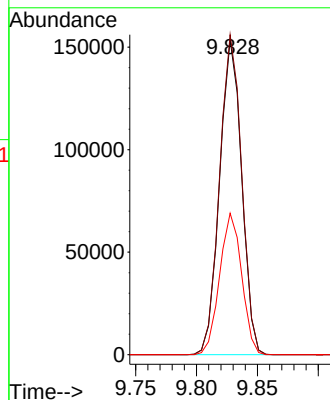
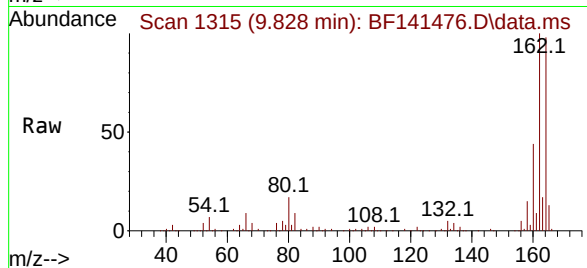
Tgt Ion:164 Resp: 193385

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

160 44.9 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.383 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:216 Resp: 225938

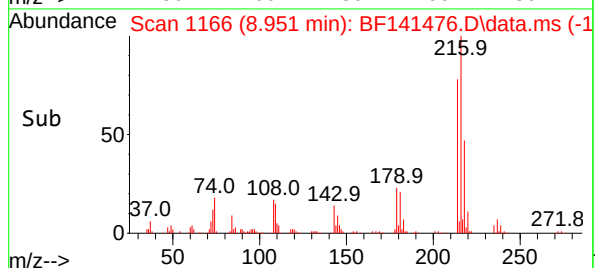
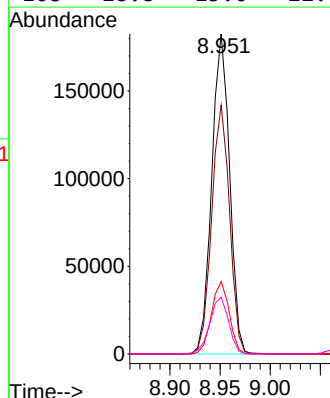
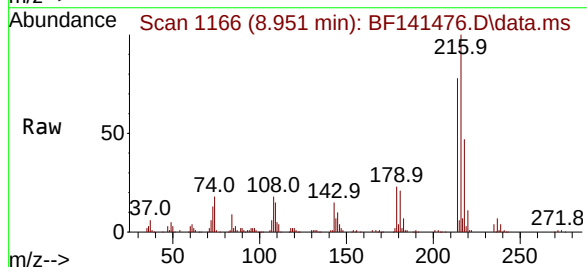
Ion Ratio Lower Upper

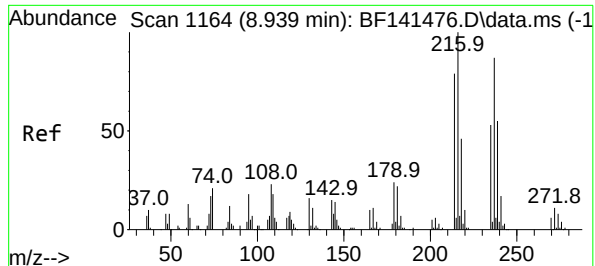
216 100

214 77.9 62.3 93.5

179 22.5 18.0 27.0

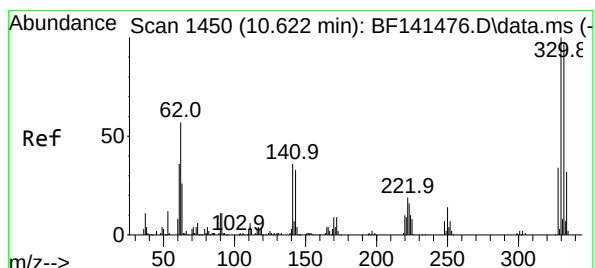
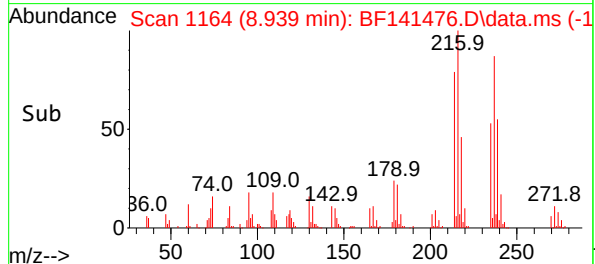
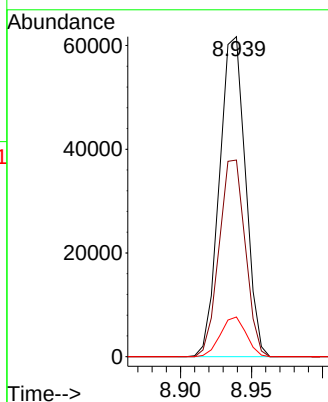
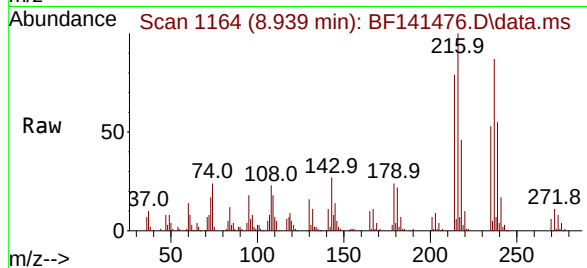
108 18.8 15.0 22.6





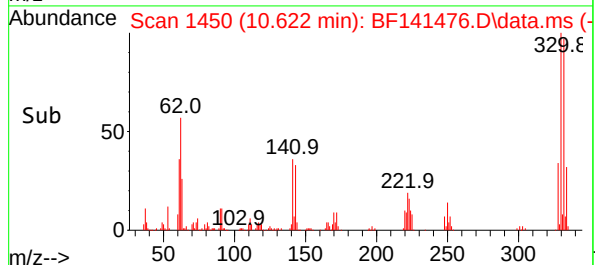
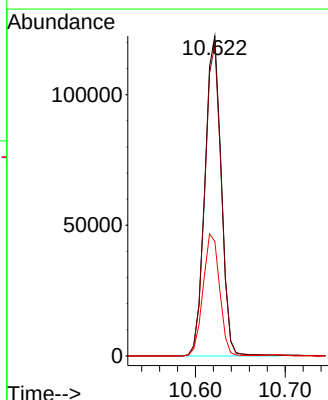
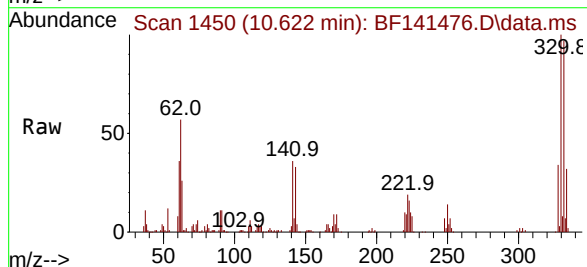
#41
Hexachlorocyclopentadiene
Concen: 42.325 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

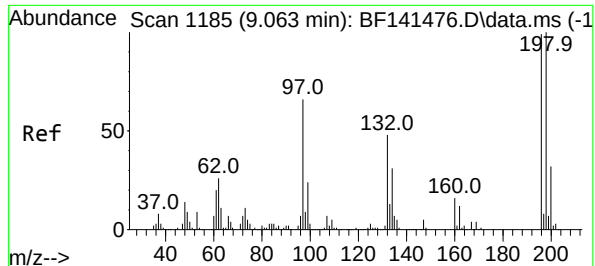
Tgt Ion:	237	Resp:	78762
Ion	Ratio	Lower	Upper
237	100		
235	61.4	41.4	81.4
272	12.4	0.0	32.4



#42
2,4,6-Tribromophenol
Concen: 79.647 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

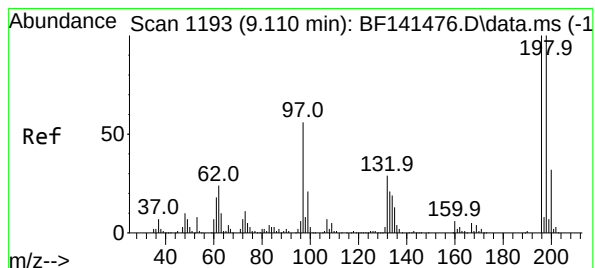
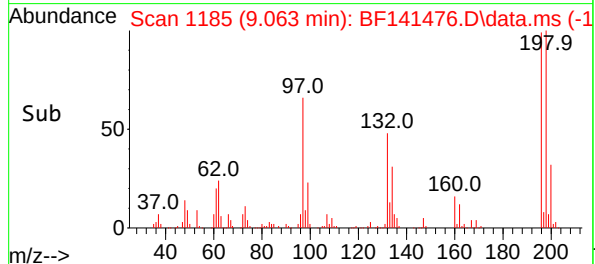
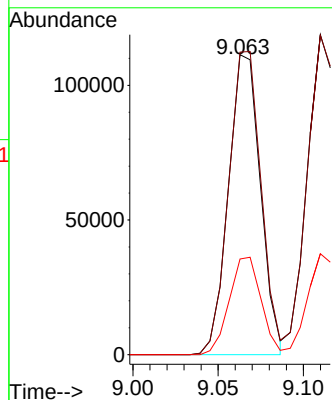
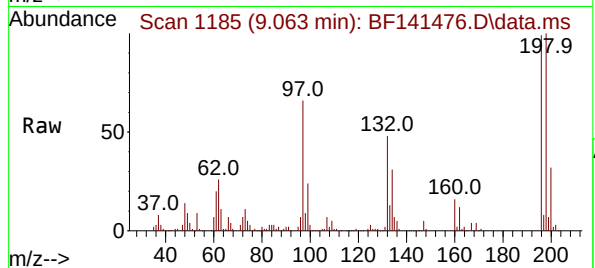
Tgt Ion:	330	Resp:	154725
Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.5	117.7
141	38.7	31.0	46.4





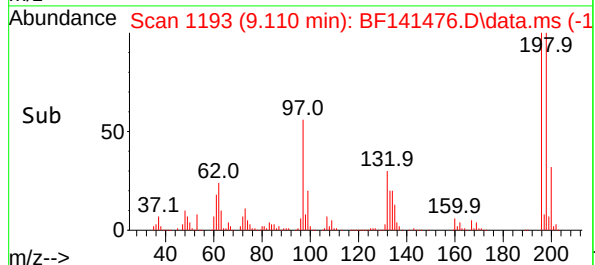
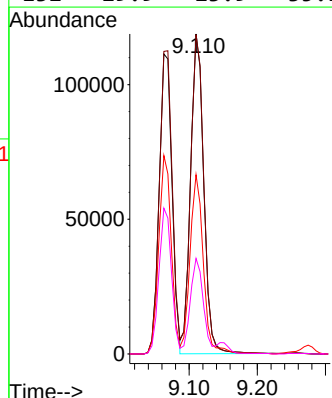
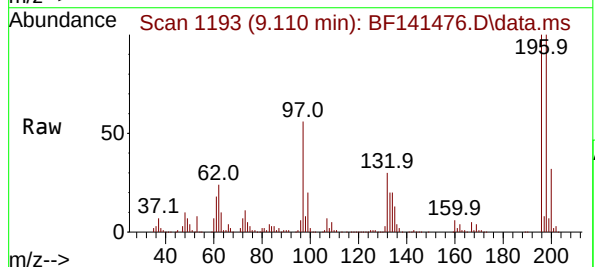
#43
2,4,6-Trichlorophenol
Concen: 40.288 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

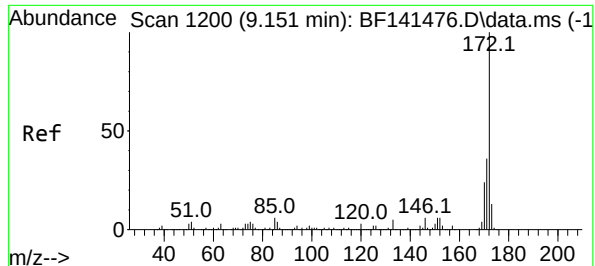
Tgt Ion:196 Resp: 145682
Ion Ratio Lower Upper
196 100
198 100.8 80.6 121.0
200 31.9 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 40.492 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

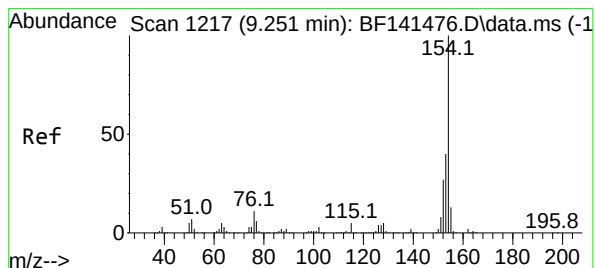
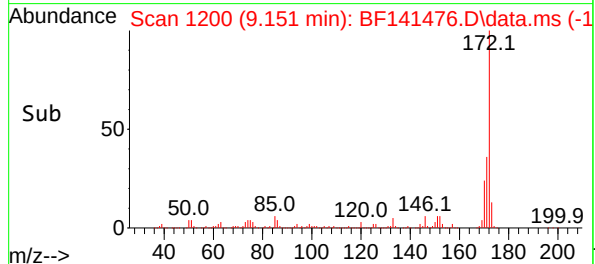
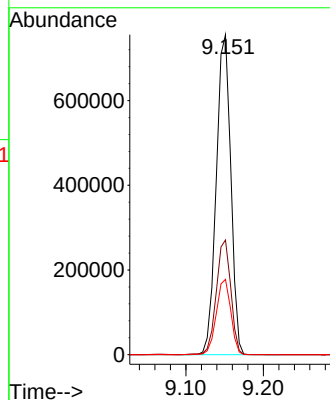
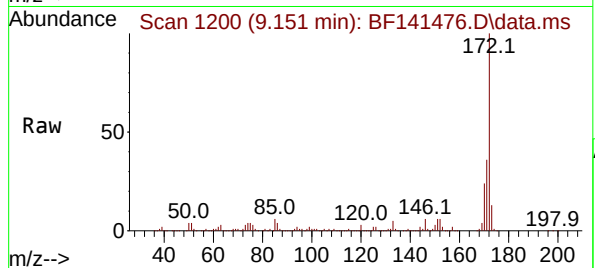
Tgt Ion:196 Resp: 158685
Ion Ratio Lower Upper
196 100
198 99.8 79.8 119.8
97 56.0 44.8 67.2
132 29.9 23.9 35.9





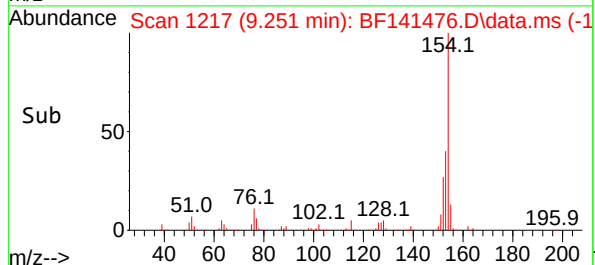
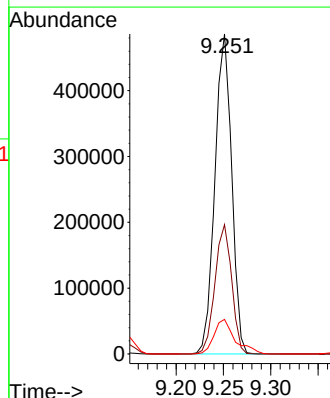
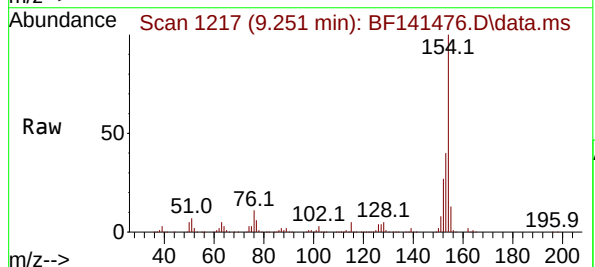
#45
2-Fluorobiphenyl
Concen: 78.189 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

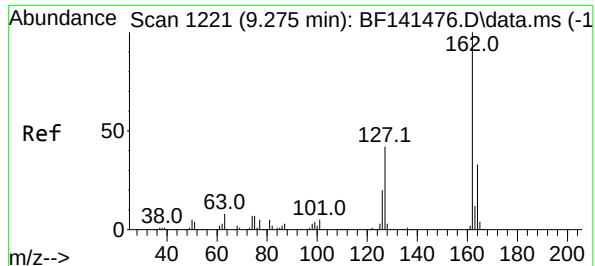
Tgt Ion:172 Resp: 981440
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.6 18.9 28.3



#46
1,1'-Biphenyl
Concen: 39.846 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

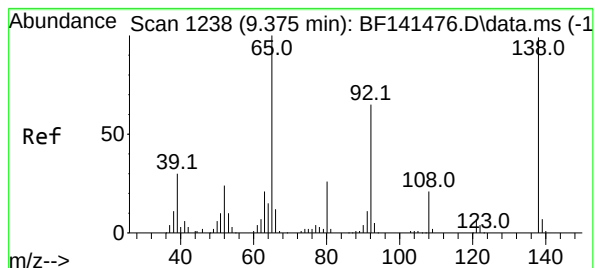
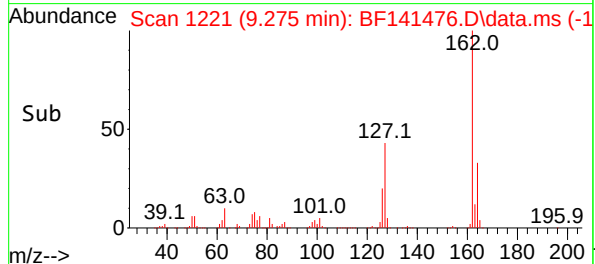
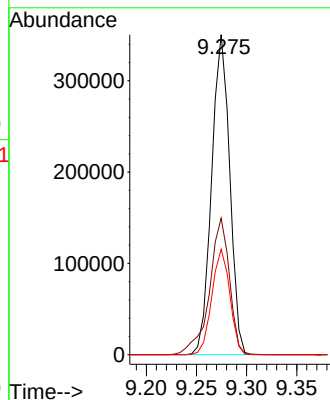
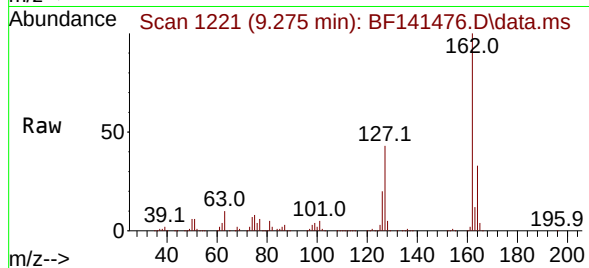
Tgt Ion:154 Resp: 597404
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 10.8 0.0 30.8





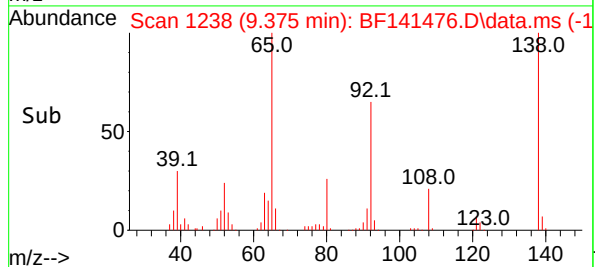
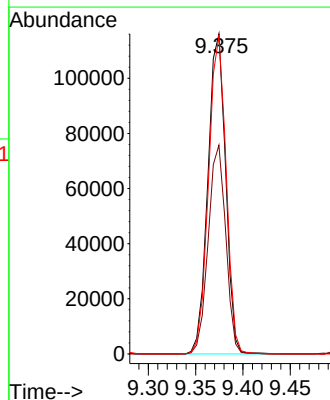
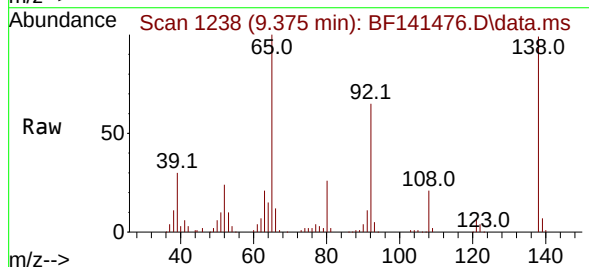
#47
2-Chloronaphthalene
Concen: 39.590 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

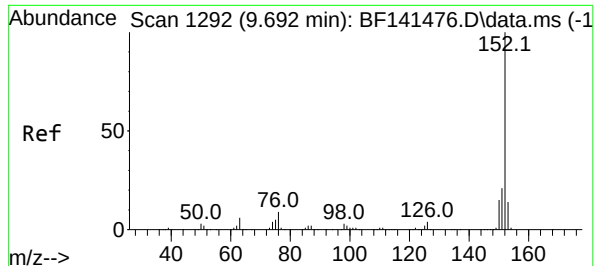
Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.6	34.1	51.1
164	32.9	26.3	39.5



#48
2-Nitroaniline
Concen: 40.563 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.2	52.2	78.2
138	99.4	79.5	119.3





#49

Acenaphthylene

Concen: 39.789 ng

RT: 9.692 min Scan# 1292

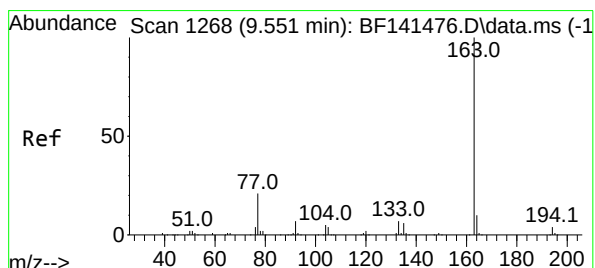
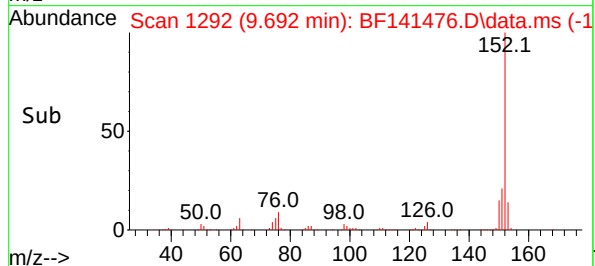
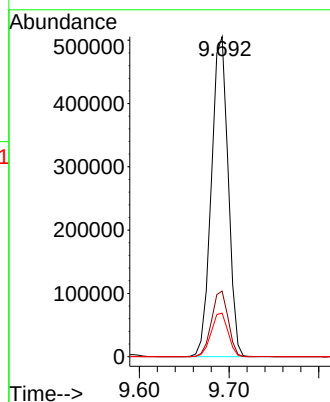
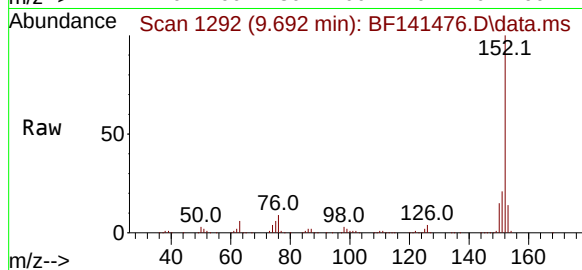
Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:152 Resp: 656124

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3



#50

Dimethylphthalate

Concen: 39.638 ng

RT: 9.551 min Scan# 1268

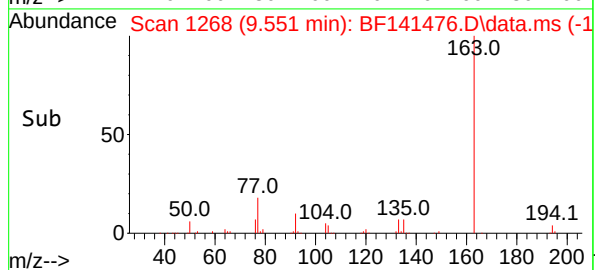
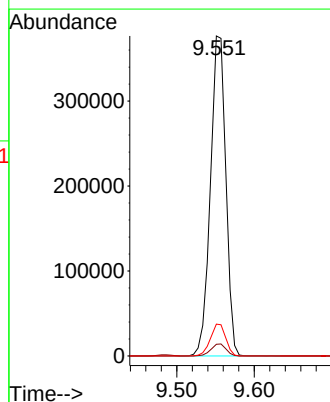
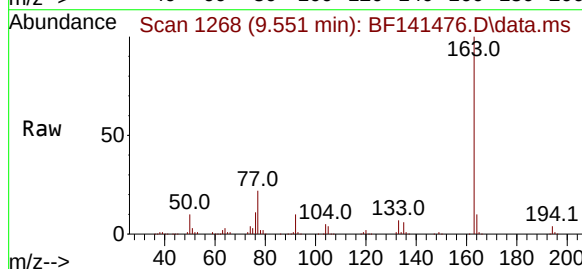
Delta R.T. -0.012 min

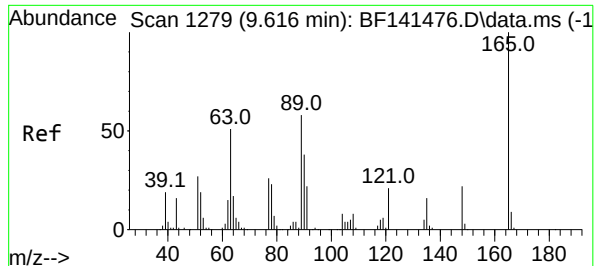
Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:163 Resp: 520384

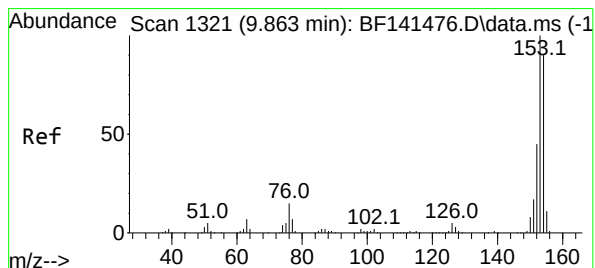
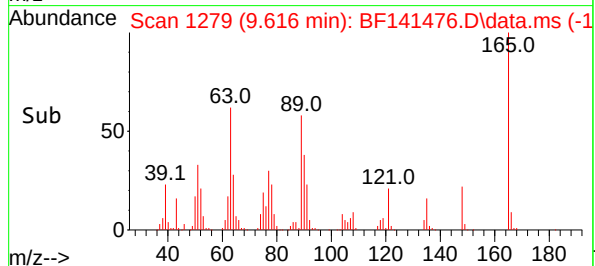
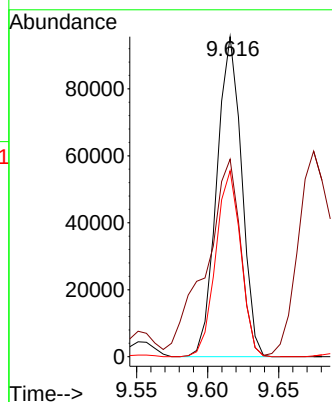
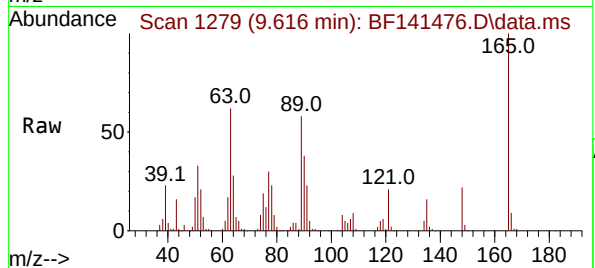
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	7.9	11.9





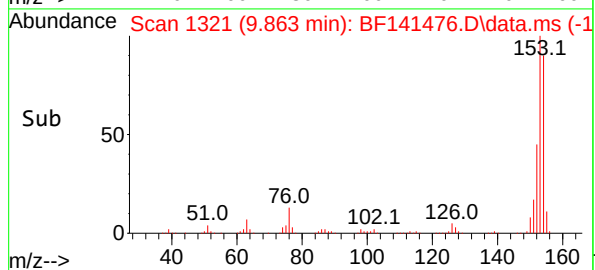
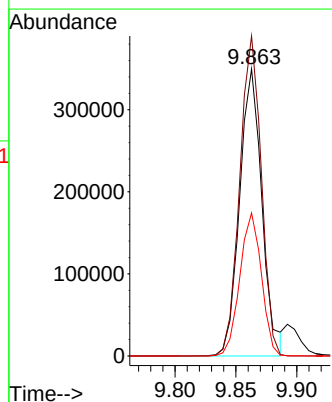
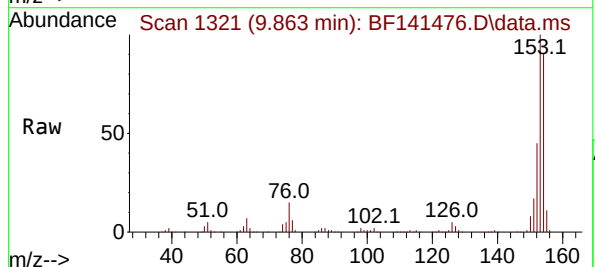
#51
2,6-Dinitrotoluene
Concen: 40.536 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

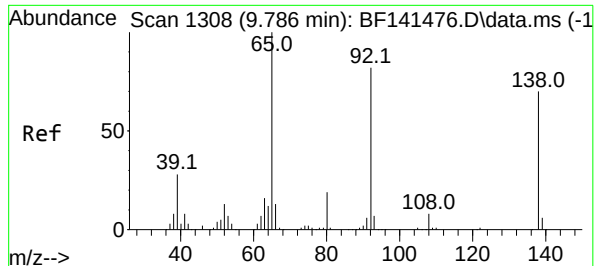
Tgt Ion:165 Resp: 116338
Ion Ratio Lower Upper
165 100
63 61.7 49.4 74.0
89 58.1 46.5 69.7



#52
Acenaphthene
Concen: 40.186 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

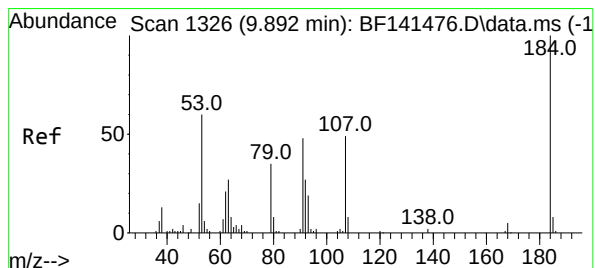
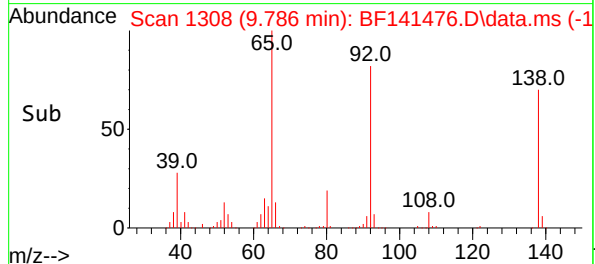
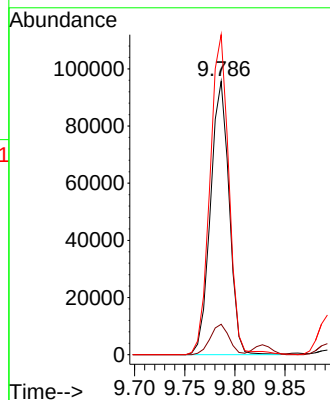
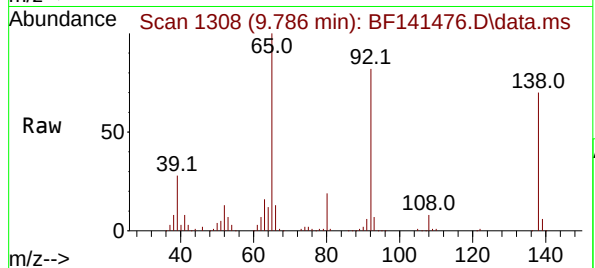
Tgt Ion:154 Resp: 445515
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 49.8 39.8 59.8





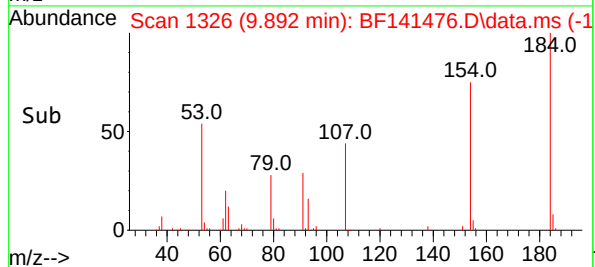
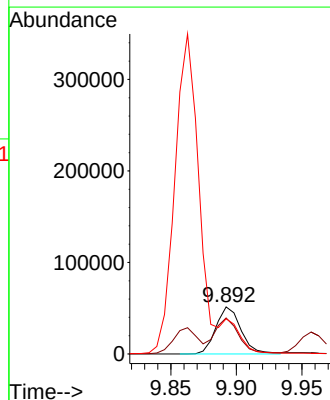
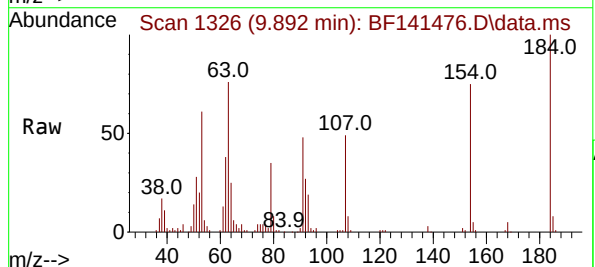
#53
3-Nitroaniline
Concen: 39.991 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

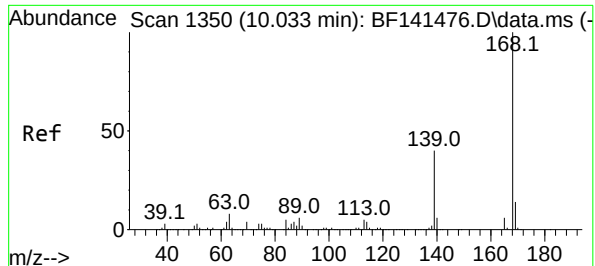
Tgt Ion:138 Resp: 123530
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.4
92 117.1 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 40.153 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

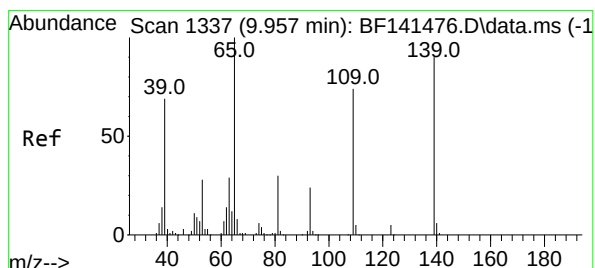
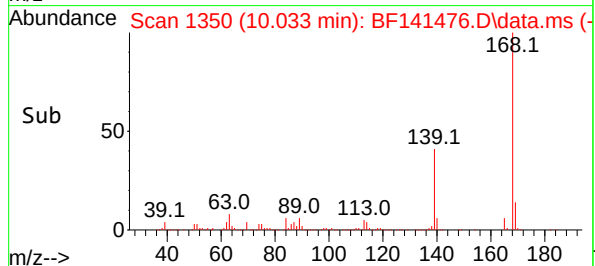
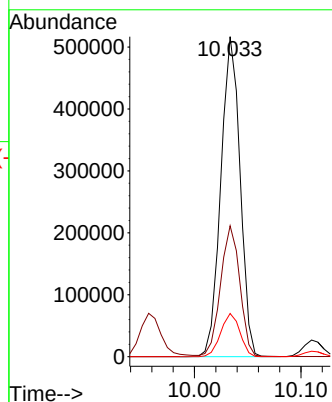
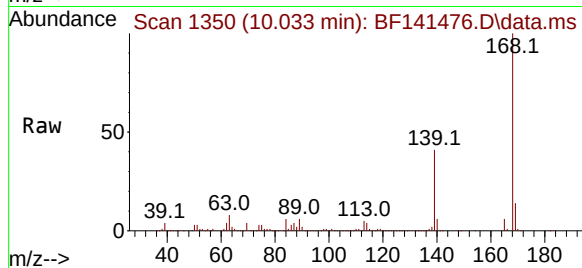
Tgt Ion:184 Resp: 68489
Ion Ratio Lower Upper
184 100
63 76.3 61.0 91.6
154 74.9 59.9 89.9





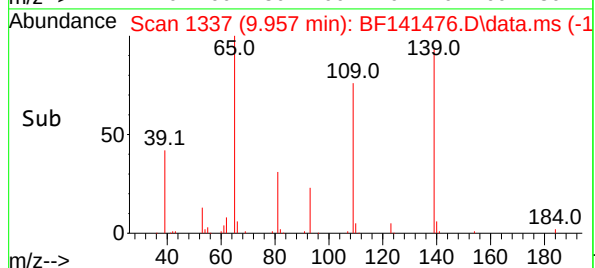
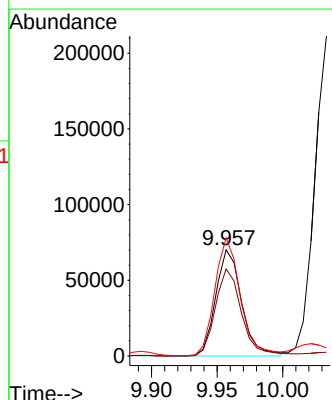
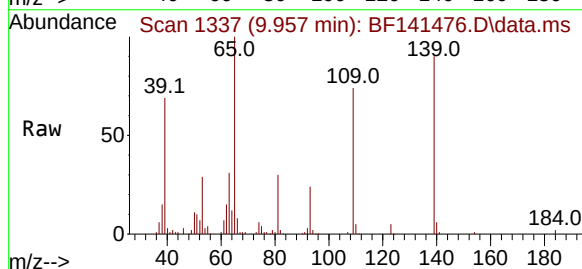
#55
Dibenzenofuran
Concen: 39.775 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

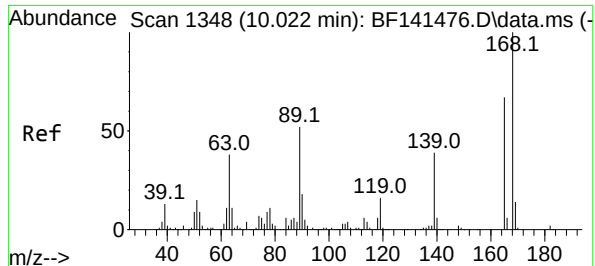
Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.7	49.1
169	13.5	10.8	16.2



#56
4-Nitrophenol
Concen: 42.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

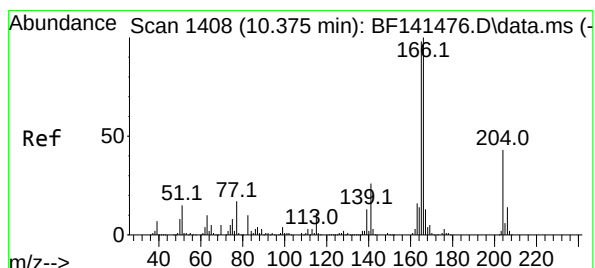
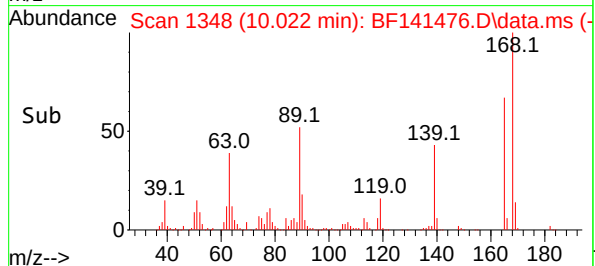
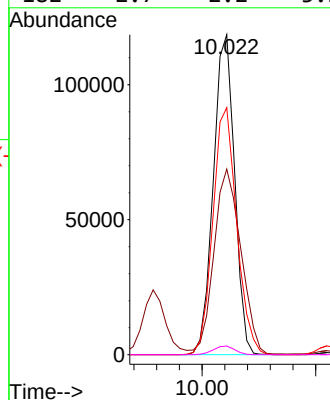
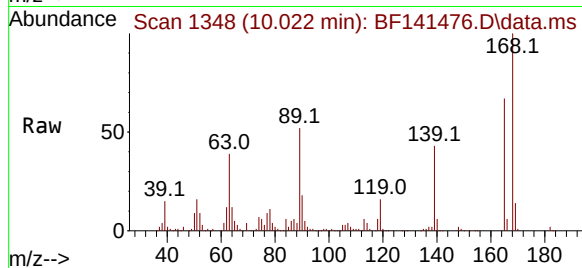
Tgt Ion	Ratio	Lower	Upper
139	100		
109	82.0	62.0	102.0
65	111.2	91.2	131.2





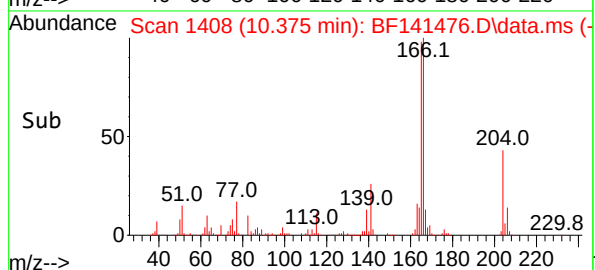
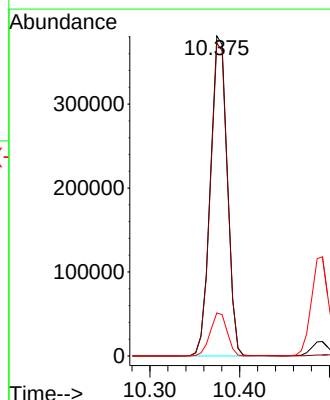
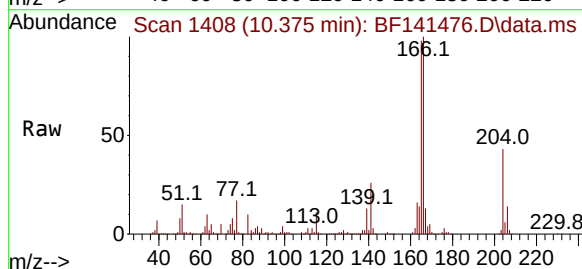
#57
2,4-Dinitrotoluene
Concen: 40.262 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

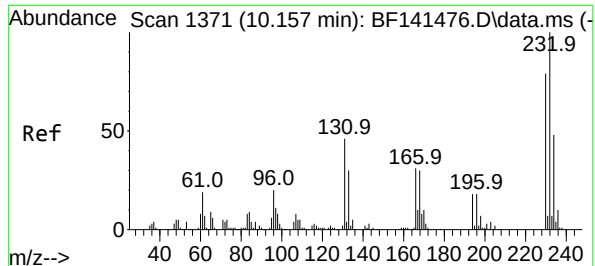
Tgt Ion:	165	Resp:	153824
Ion	Ratio	Lower	Upper
165	100		
63	58.0	46.4	69.6
89	77.2	61.8	92.6
182	2.7	2.2	3.2



#58
Fluorene
Concen: 39.654 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

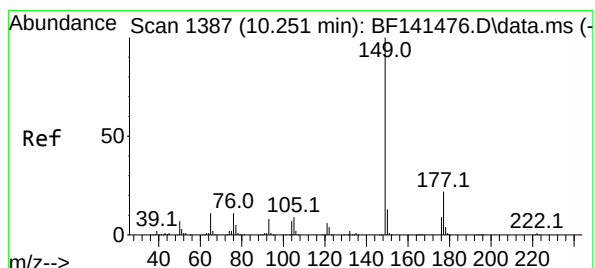
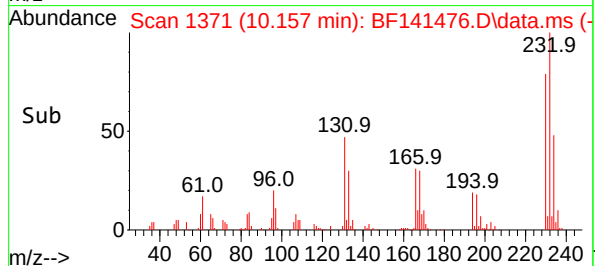
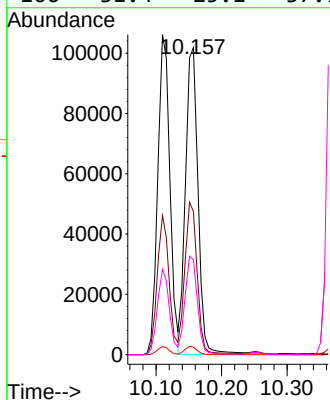
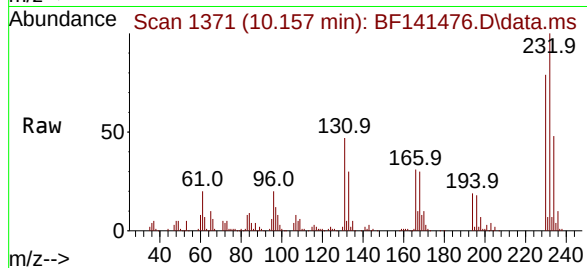
Tgt Ion:	166	Resp:	498929
Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.4	10.7	16.1





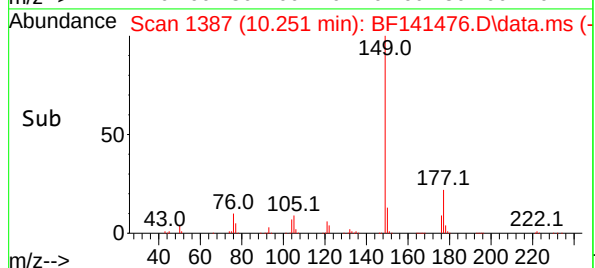
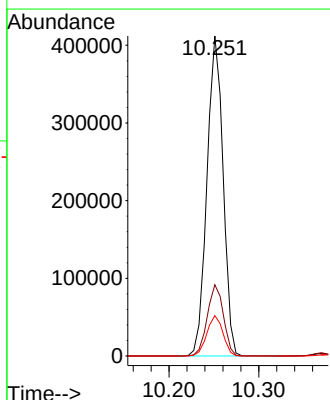
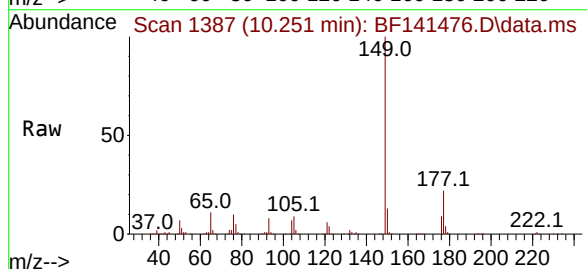
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.888 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

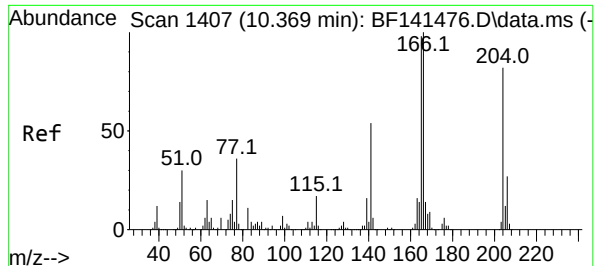
Tgt Ion:232 Resp: 134581
Ion Ratio Lower Upper
232 100
131 49.0 39.2 58.8
130 2.6 2.1 3.1
166 31.4 25.1 37.7



#60
Diethylphthalate
Concen: 39.821 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

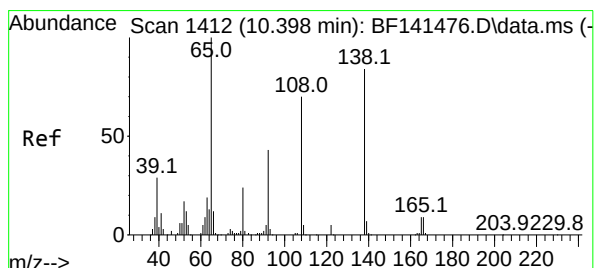
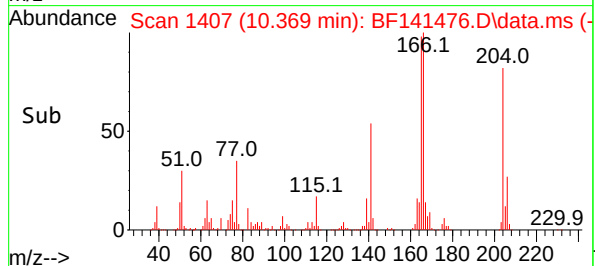
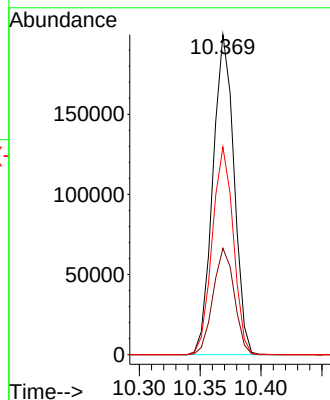
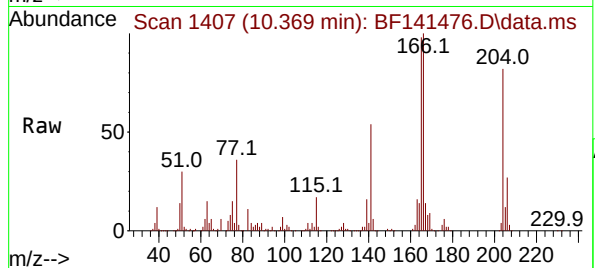
Tgt Ion:149 Resp: 514358
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1





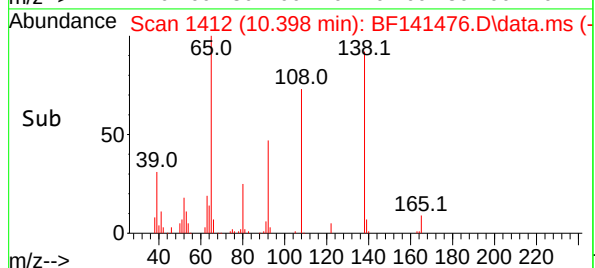
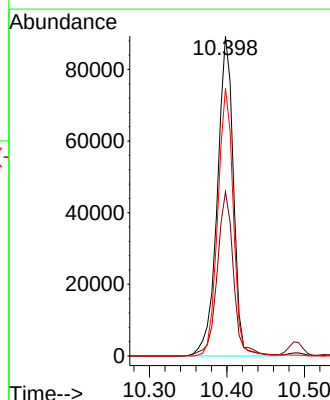
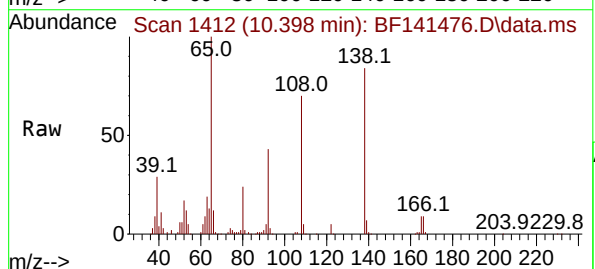
#61
4-Chlorophenyl-phenylether
Concen: 39.767 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

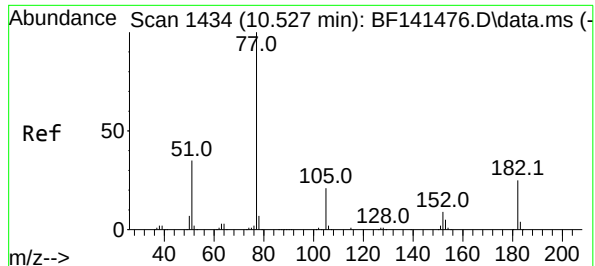
Tgt Ion:204 Resp: 240707
Ion Ratio Lower Upper
204 100
206 33.3 26.6 40.0
141 64.9 51.9 77.9



#62
4-Nitroaniline
Concen: 41.253 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

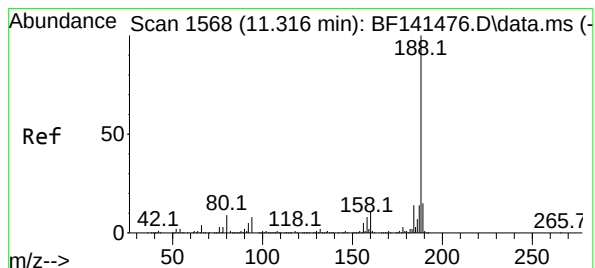
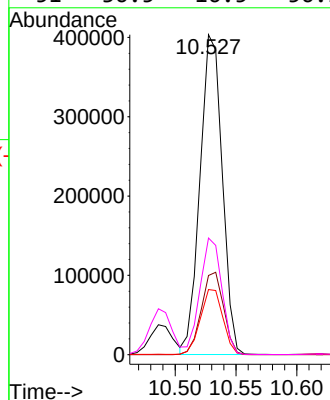
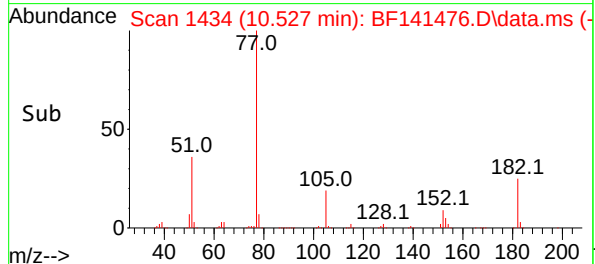
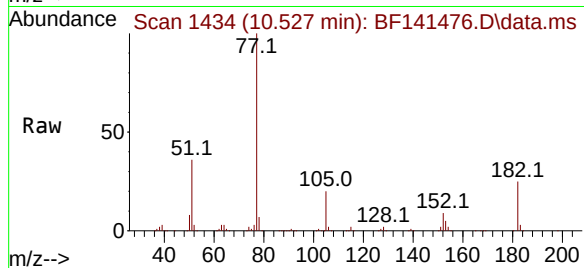
Tgt Ion:138 Resp: 129392
Ion Ratio Lower Upper
138 100
92 51.3 31.3 71.3
108 83.7 63.7 103.7





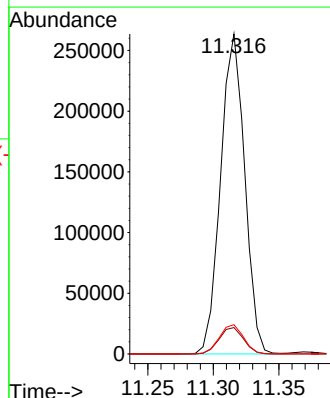
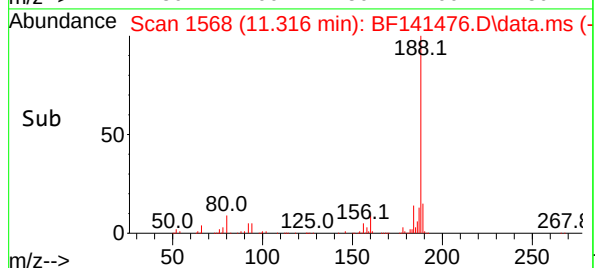
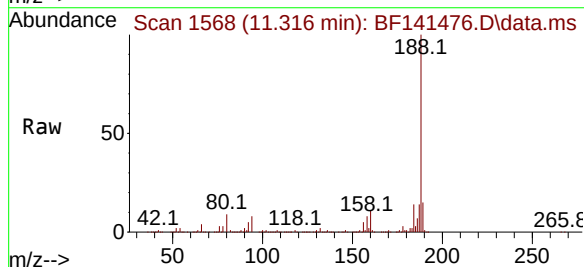
#63
Azobenzene
Concen: 39.926 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

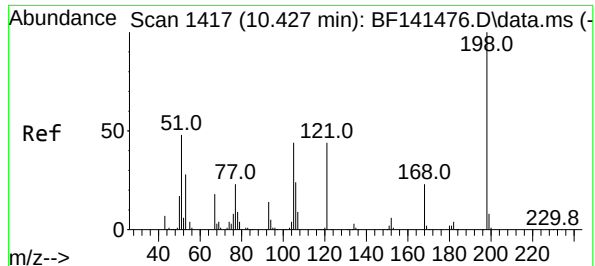
Tgt Ion:	77	Resp:	512692
Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.7	44.7
105	20.4	0.4	40.4
51	36.5	16.5	56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

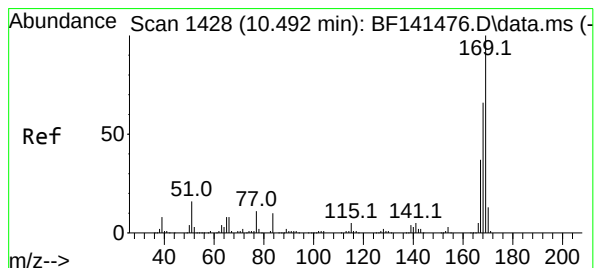
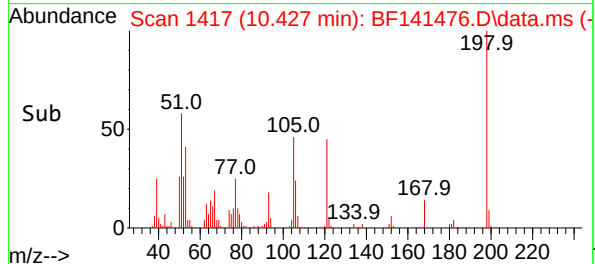
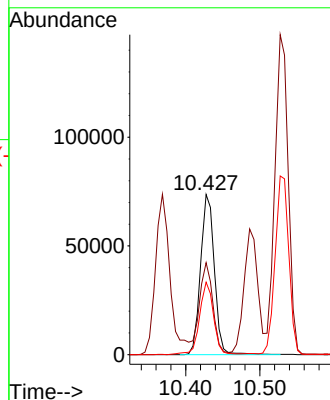
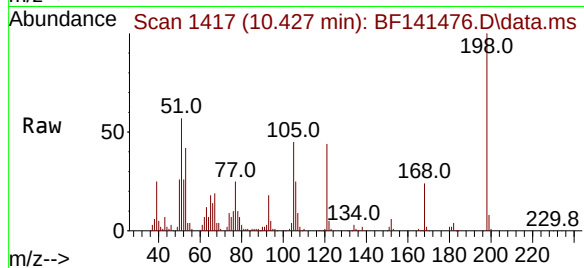
Tgt Ion:	188	Resp:	336425
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	10.0
80	9.1	7.3	10.9





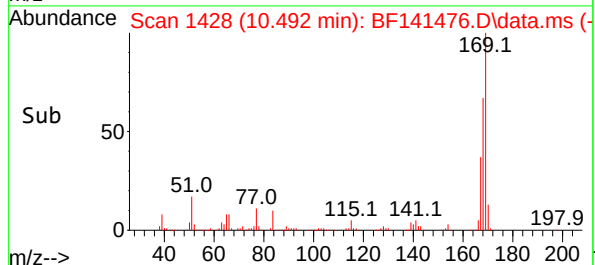
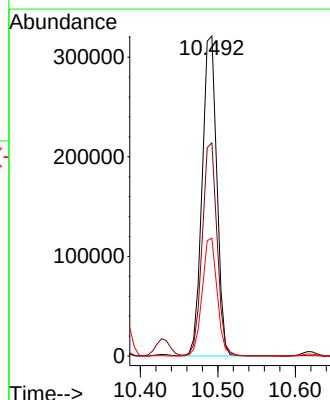
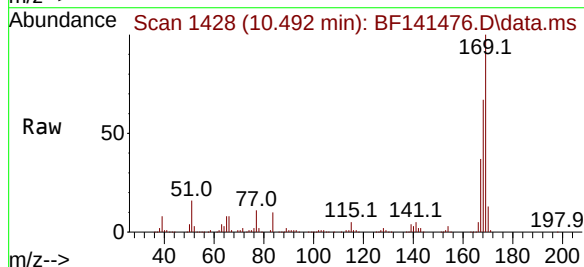
#65
4,6-Dinitro-2-methylphenol
Concen: 40.874 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

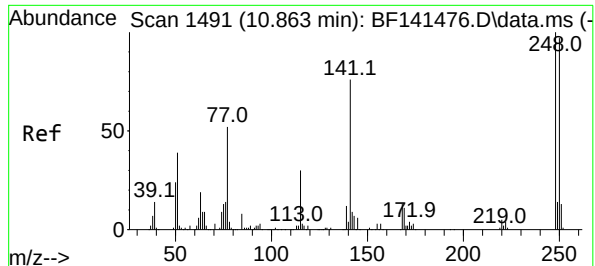
Tgt Ion	Ratio	Lower	Upper
198	100		
51	57.4	37.4	77.4
105	45.2	25.2	65.2



#66
n-Nitrosodiphenylamine
Concen: 39.180 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

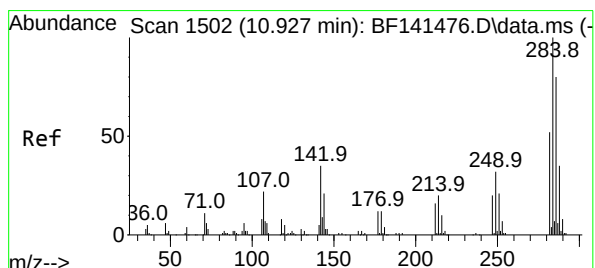
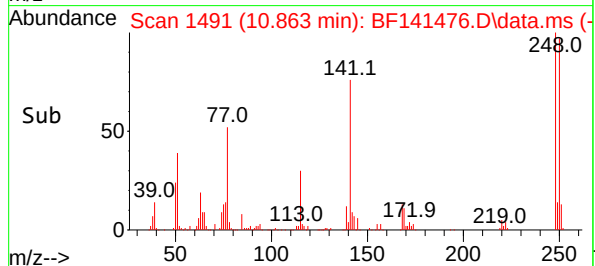
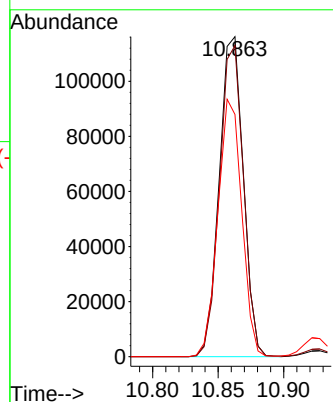
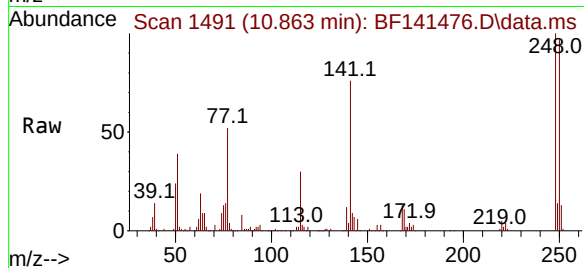
Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.3	79.9
167	36.8	29.4	44.2





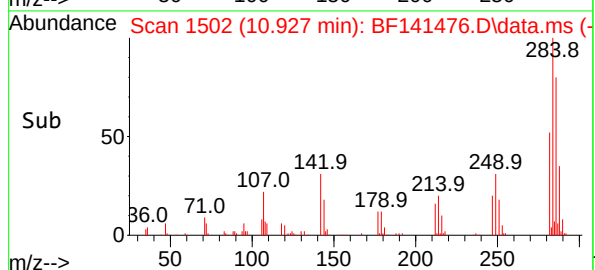
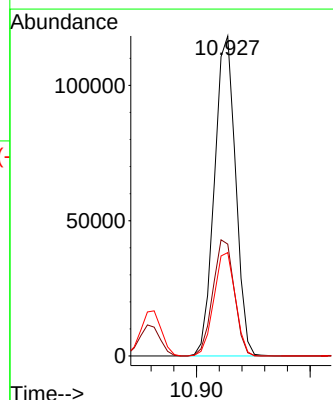
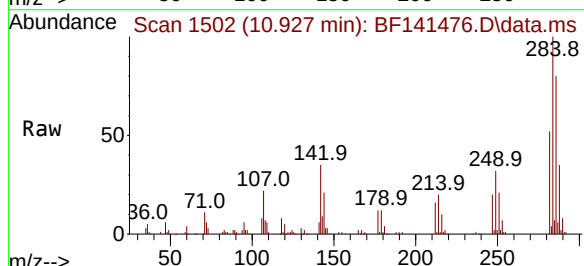
#67
4-Bromophenyl-phenylether
Concen: 39.522 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

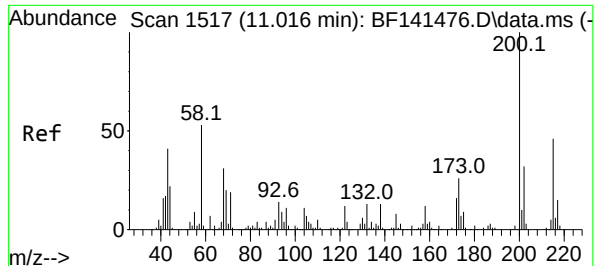
Tgt Ion:	248	Resp:	148603
Ion Ratio	Lower	Upper	
248	100		
250	97.2	77.8	116.6
141	75.7	60.6	90.8



#68
Hexachlorobenzene
Concen: 39.430 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

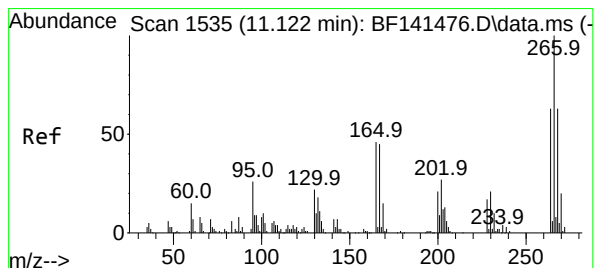
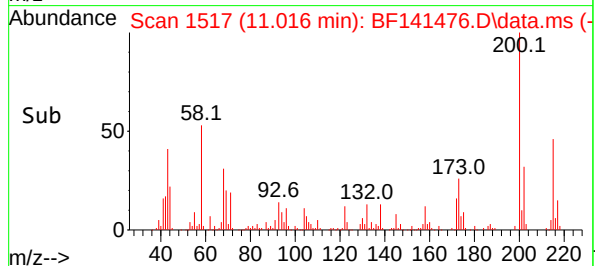
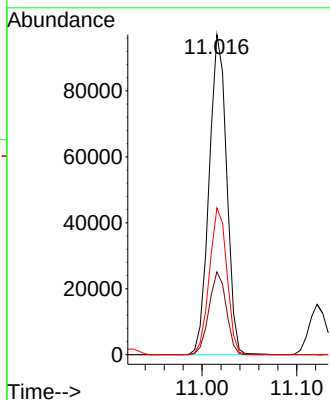
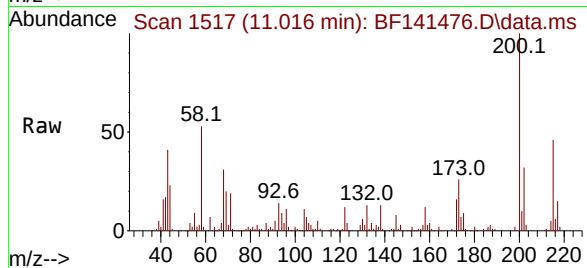
Tgt Ion:	284	Resp:	152664
Ion Ratio	Lower	Upper	
284	100		
142	35.0	28.0	42.0
249	32.3	25.8	38.8





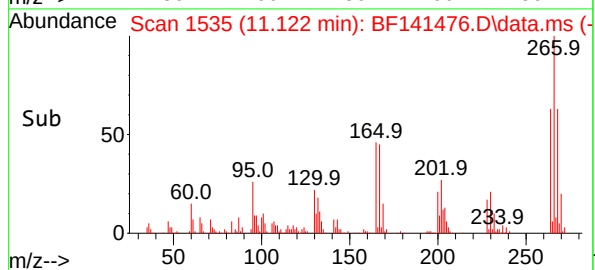
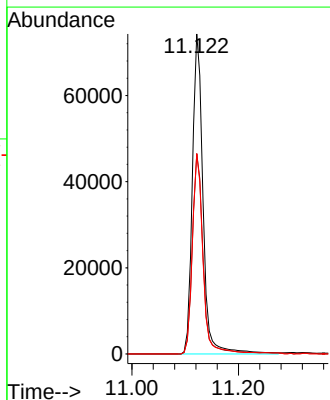
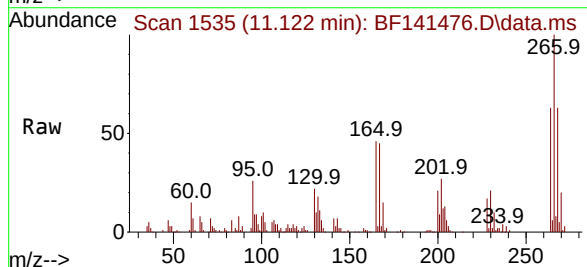
#69
Atrazine
Concen: 38.533 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.005 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

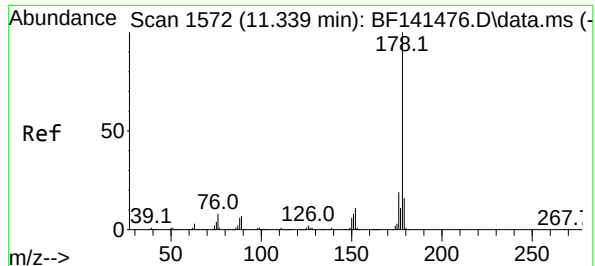
Tgt Ion:	200	Resp:	124494
Ion Ratio	Lower	Upper	
200	100		
173	25.9	5.9	45.9
215	45.9	25.9	65.9



#70
Pentachlorophenol
Concen: 41.930 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

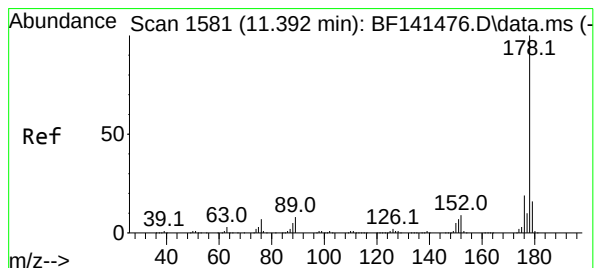
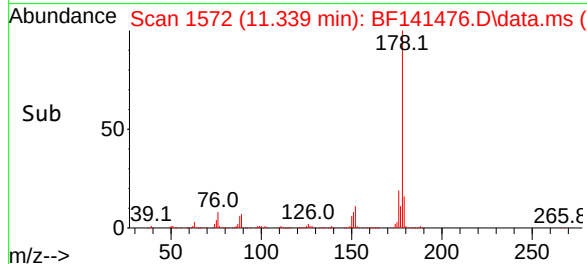
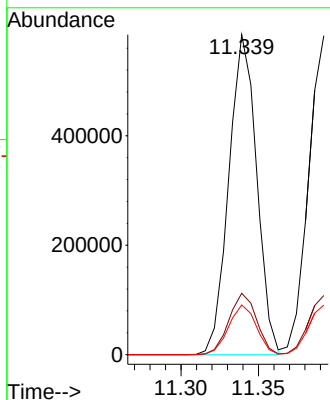
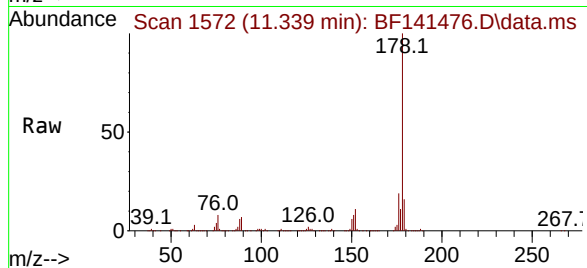
Tgt Ion:	266	Resp:	103806
Ion Ratio	Lower	Upper	
266	100		
268	62.6	50.1	75.1
264	62.6	50.1	75.1





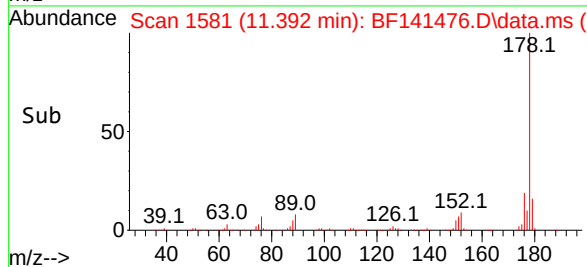
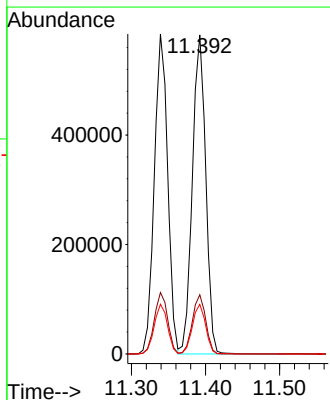
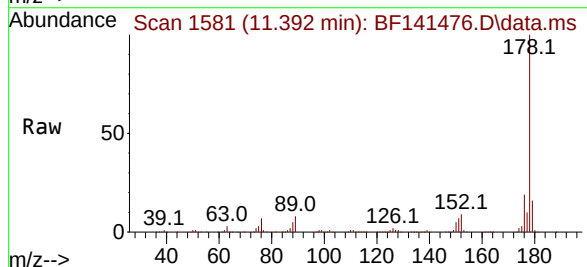
#71
Phenanthrene
Concen: 39.397 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

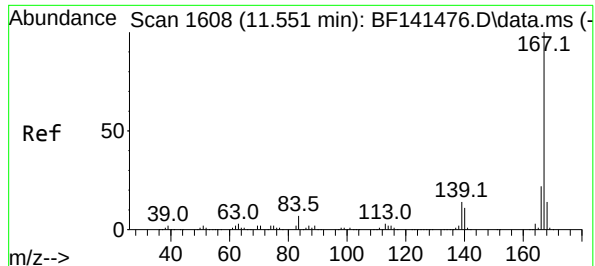
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.4	18.6



#72
Anthracene
Concen: 39.125 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

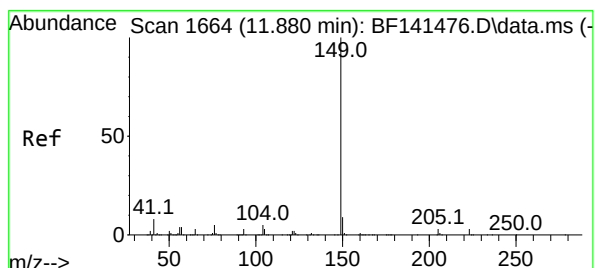
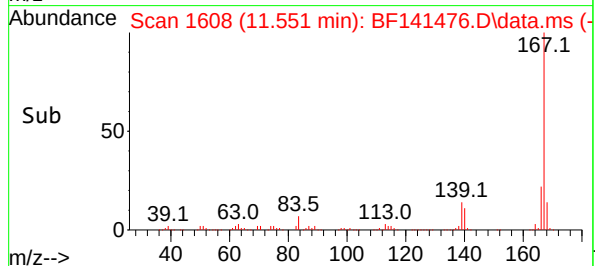
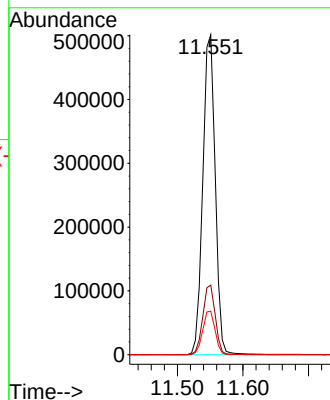
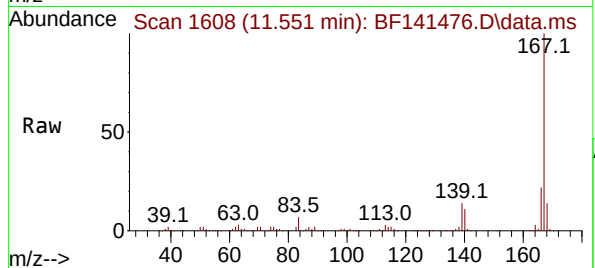
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.5	12.4	18.6





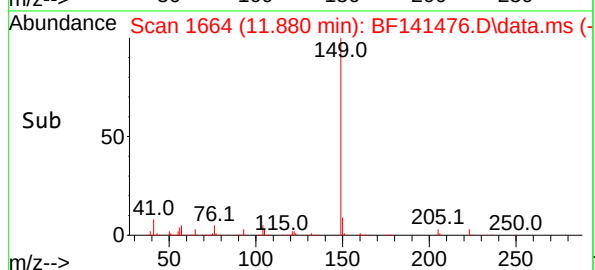
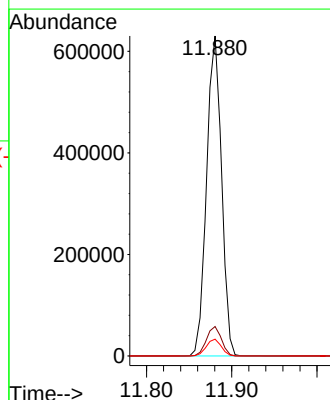
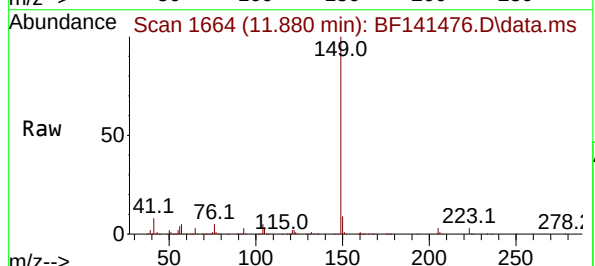
#73
Carbazole
Concen: 39.613 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

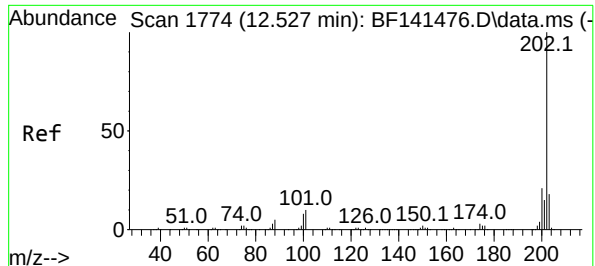
Tgt Ion:167 Resp: 663523
Ion Ratio Lower Upper
167 100
166 21.8 17.4 26.2
139 13.6 10.9 16.3



#74
Di-n-butylphthalate
Concen: 39.706 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

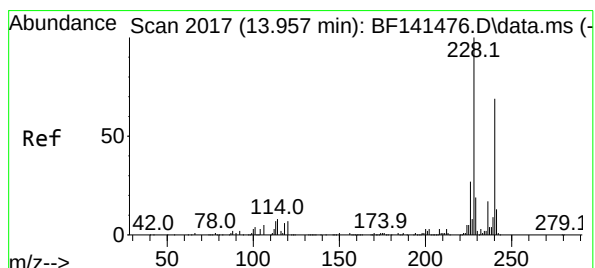
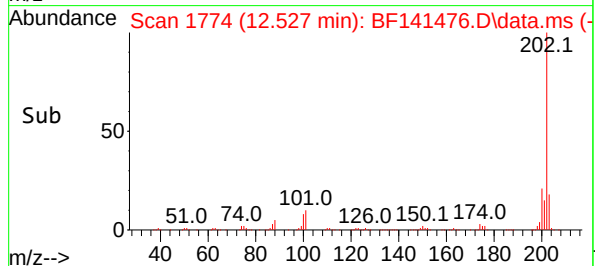
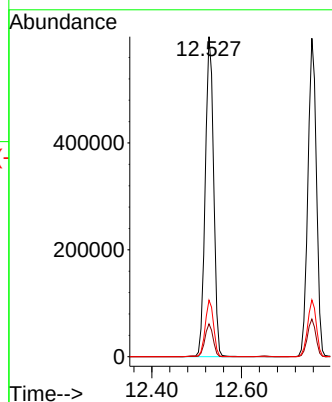
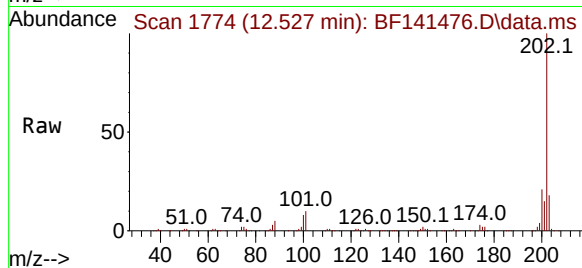
Tgt Ion:149 Resp: 767961
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.0
104 5.2 4.2 6.2





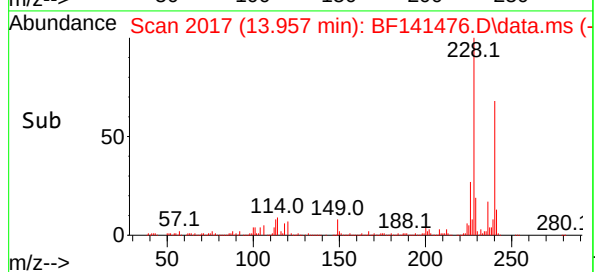
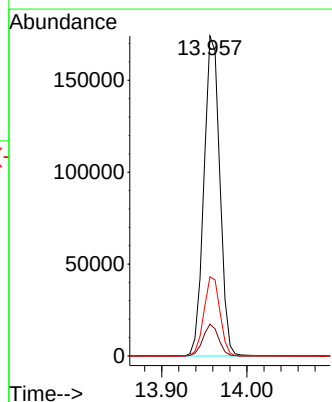
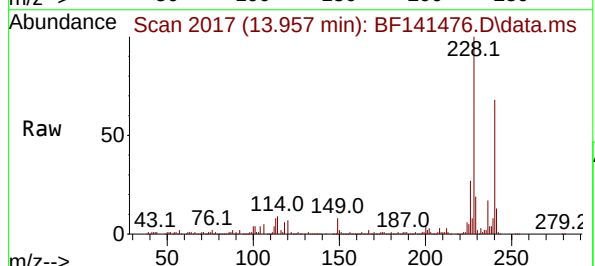
#75
Fluoranthene
Concen: 39.441 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

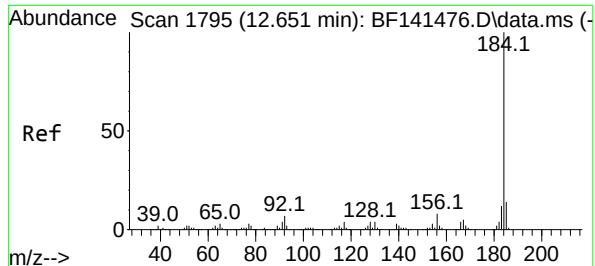
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.0	12.0
236	24.8	19.8	29.8





#77

Benzidine

Concen: 47.917 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

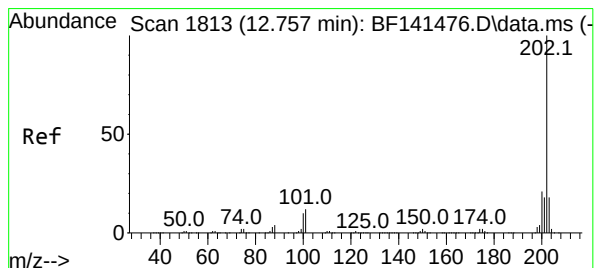
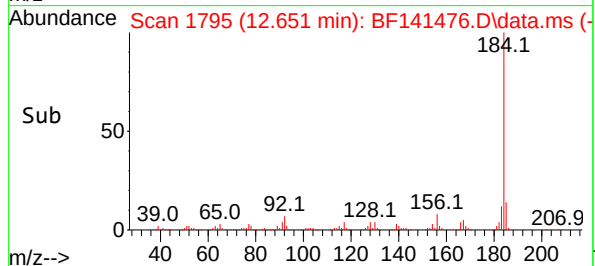
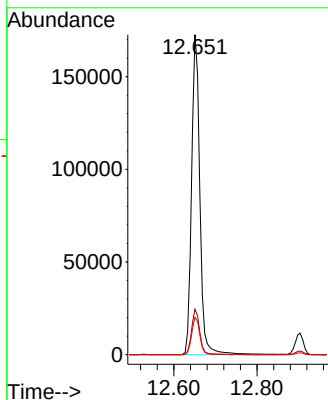
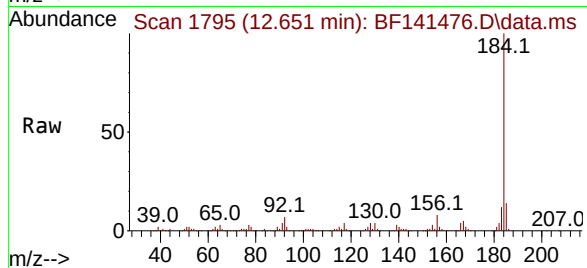
Tgt Ion:184 Resp: 238261

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

183 11.6 9.3 13.9



#78

Pyrene

Concen: 41.002 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

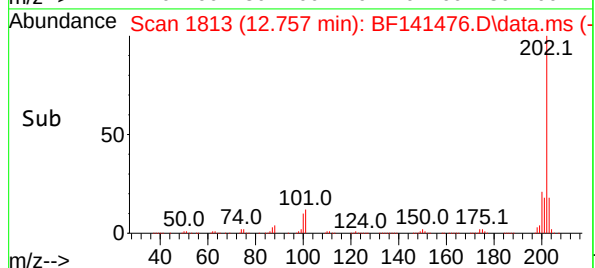
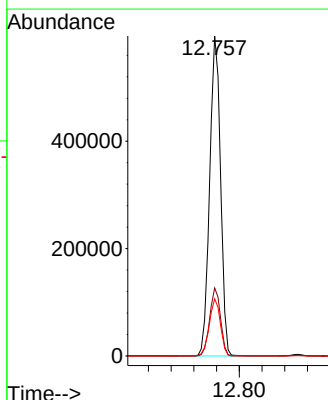
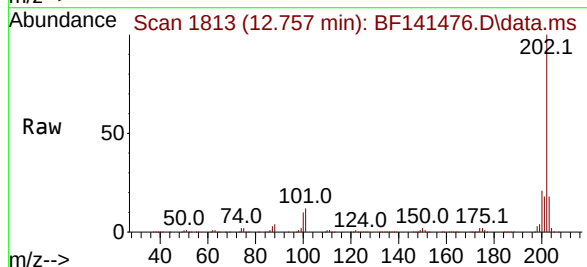
Tgt Ion:202 Resp: 786956

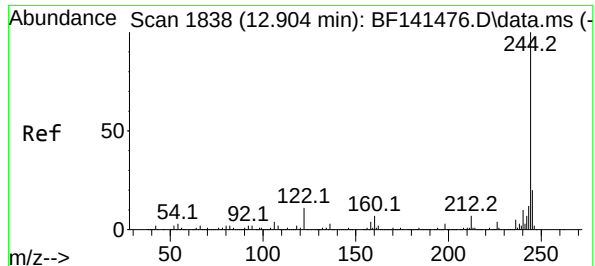
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

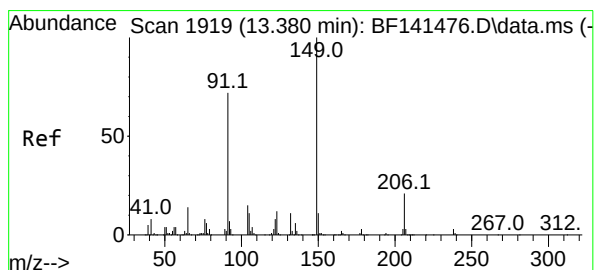
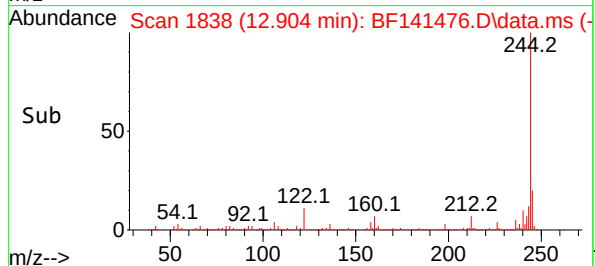
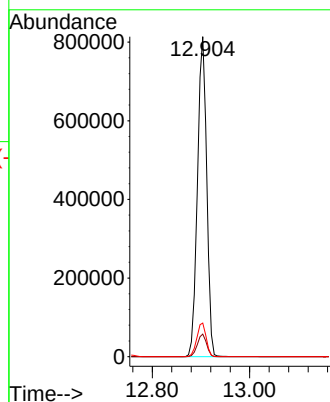
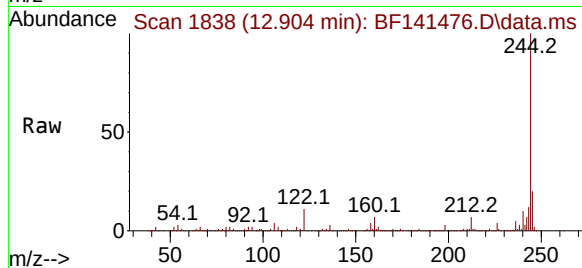
203 17.9 14.3 21.5





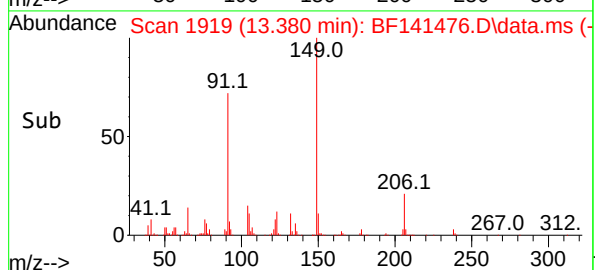
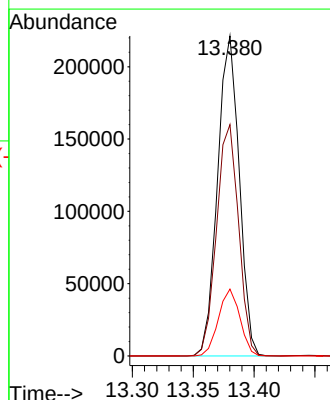
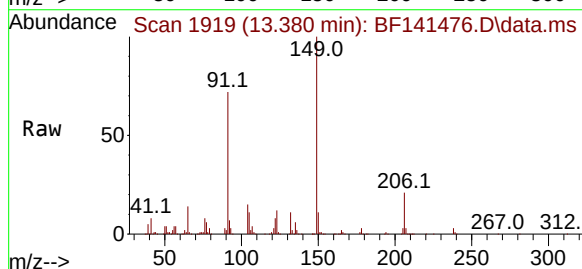
#79
Terphenyl-d14
Concen: 80.879 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

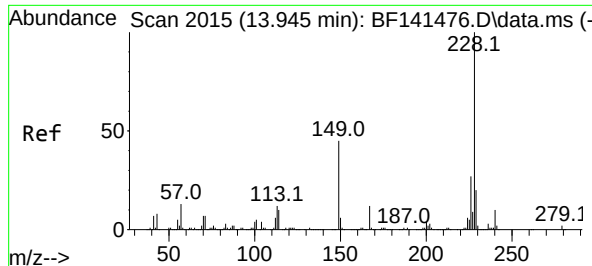
Tgt Ion:244 Resp: 1080174
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.5 8.4 12.6



#80
Butylbenzylphthalate
Concen: 41.323 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

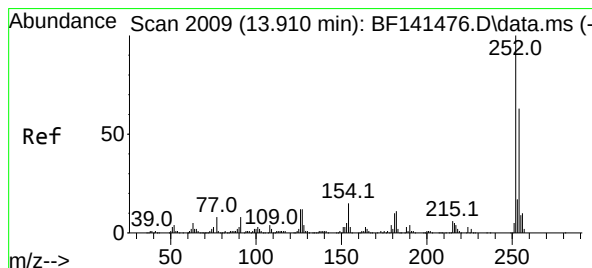
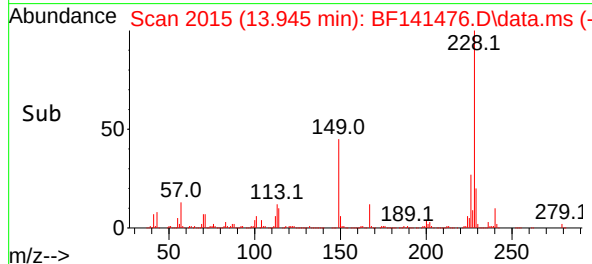
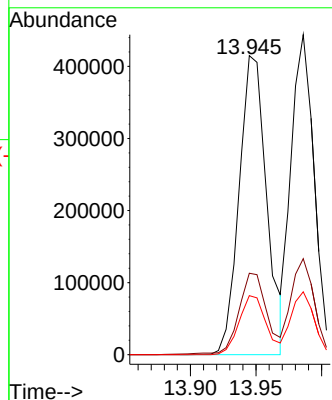
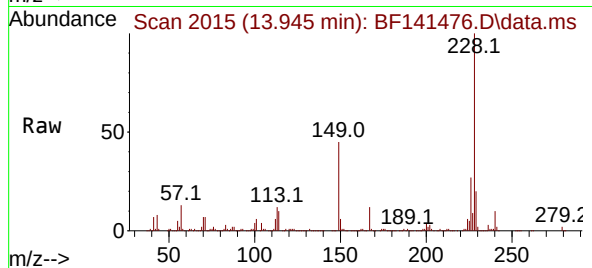
Tgt Ion:149 Resp: 274711
Ion Ratio Lower Upper
149 100
91 72.3 57.8 86.8
206 20.9 16.7 25.1





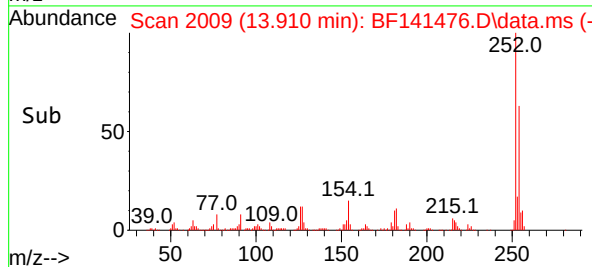
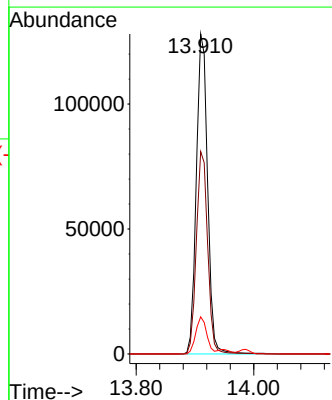
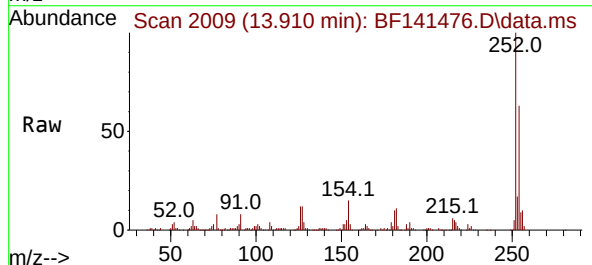
#81
Benzo(a)anthracene
Concen: 40.479 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

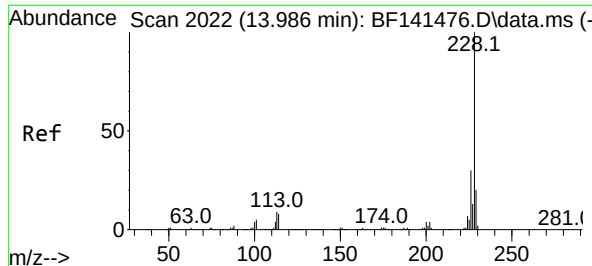
Tgt Ion:228 Resp: 606669
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.8
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 39.640 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion:252 Resp: 170181
Ion Ratio Lower Upper
252 100
254 63.3 50.6 76.0
126 11.6 9.3 13.9





#83

Chrysene

Concen: 39.121 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

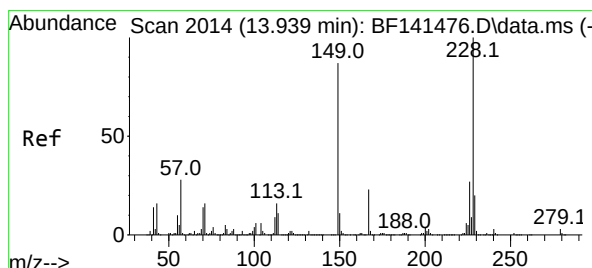
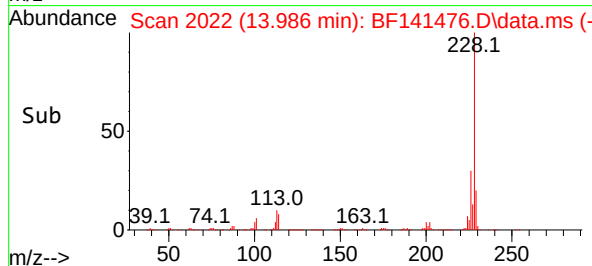
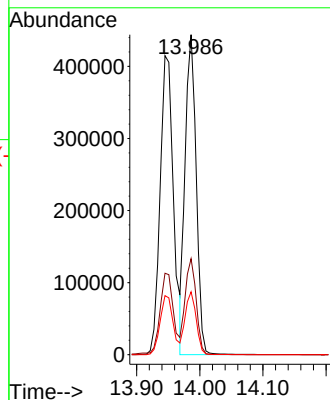
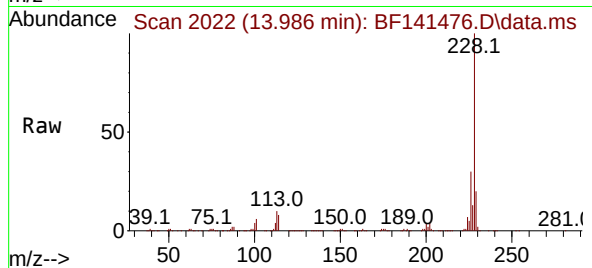
Tgt Ion:228 Resp: 541376

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.438 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

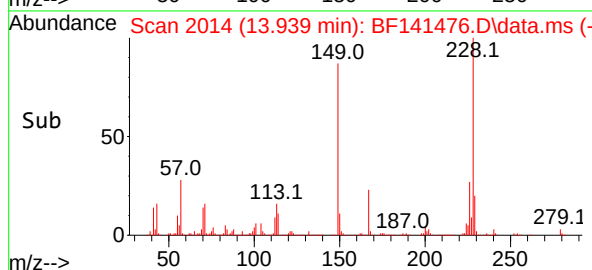
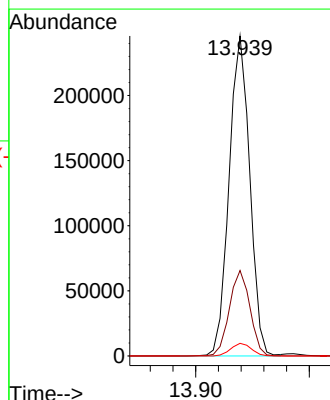
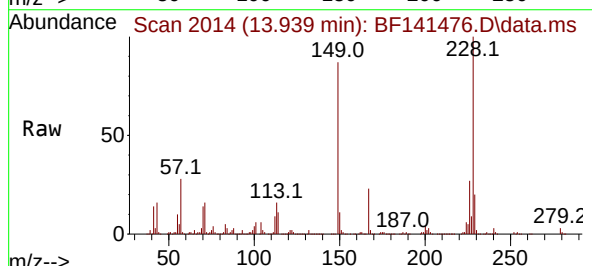
Tgt Ion:149 Resp: 310696

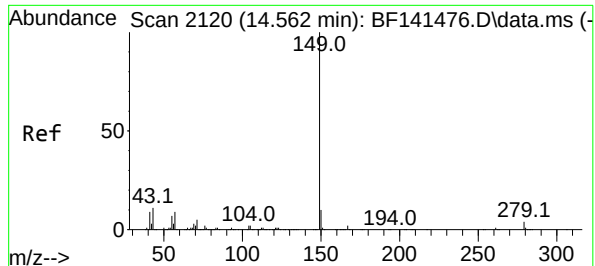
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

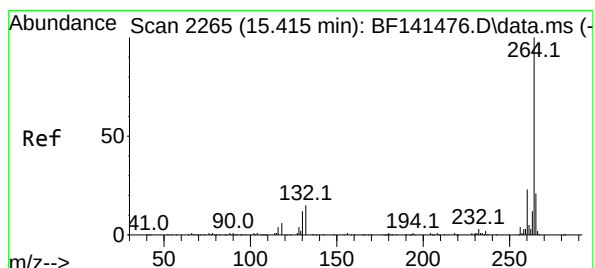
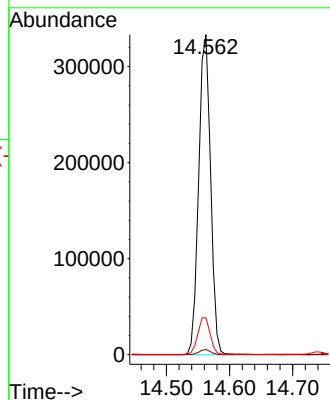
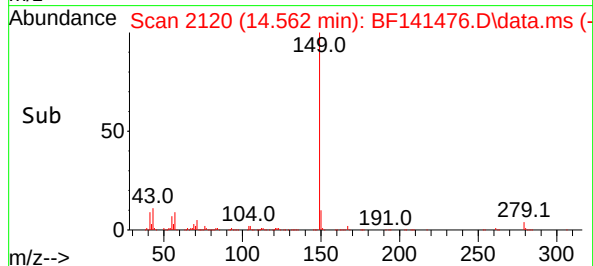
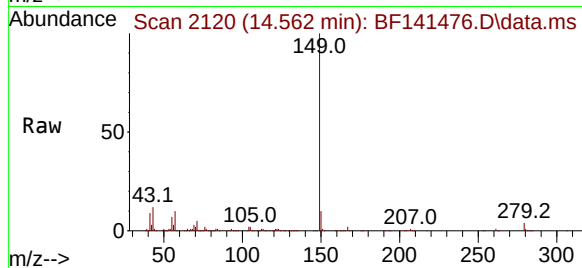
279 3.9 3.1 4.7





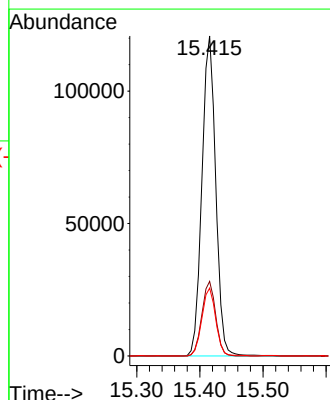
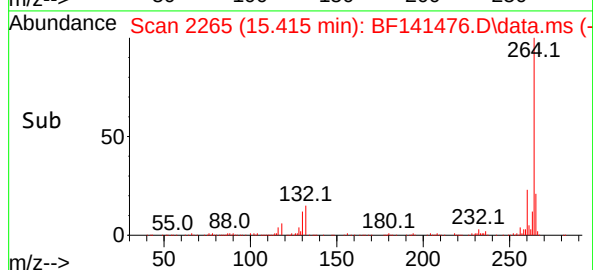
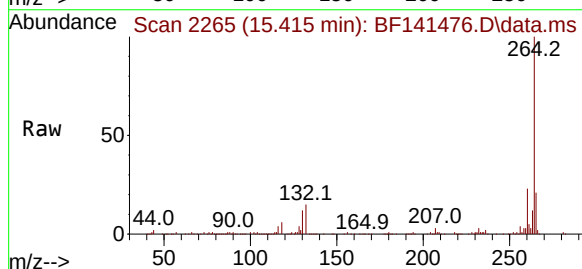
#85
Di-n-octyl phthalate
Concen: 40.682 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

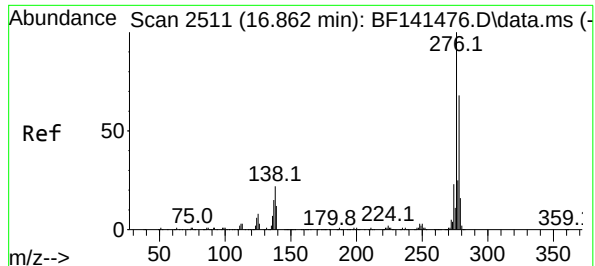
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.2	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.699 ng

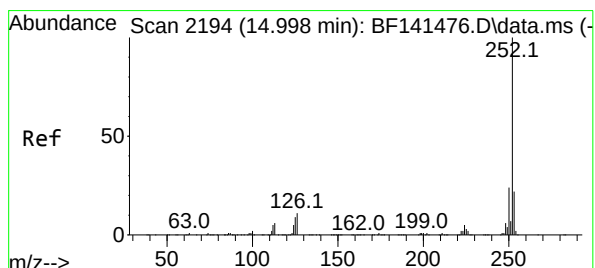
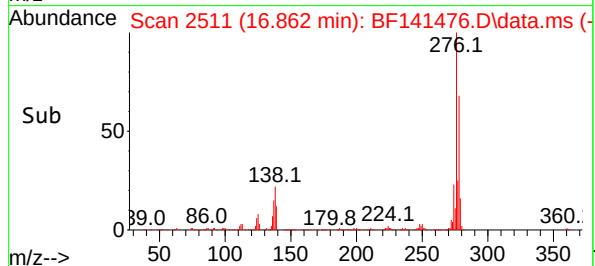
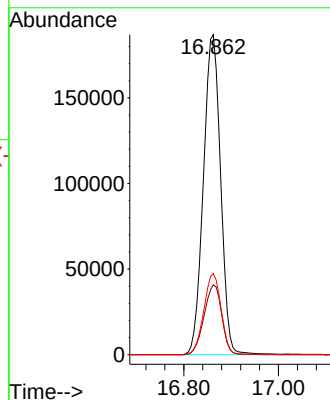
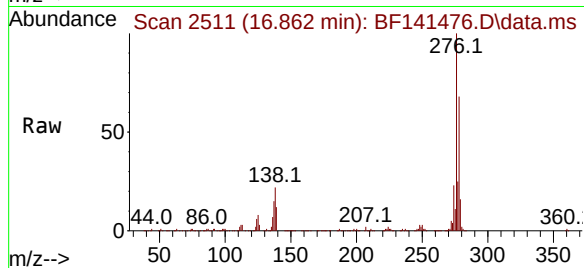
RT: 16.862 min Scan# 2511

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:	276	Resp:	471272
Ion Ratio	Lower	Upper	
276	100		
138	22.5	18.0	27.0
277	25.5	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 39.783 ng

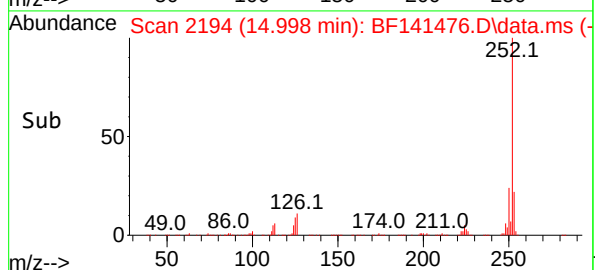
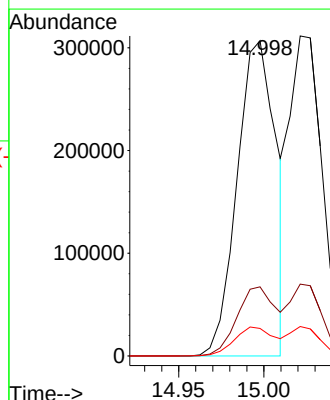
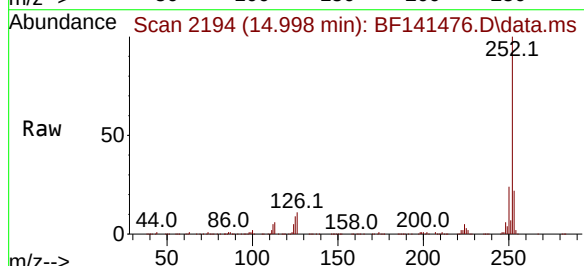
RT: 14.998 min Scan# 2194

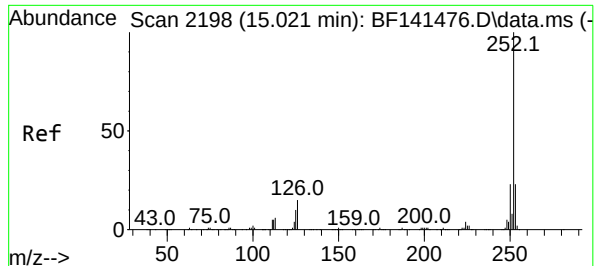
Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

Tgt Ion:	252	Resp:	488585
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	8.8	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 39.836 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

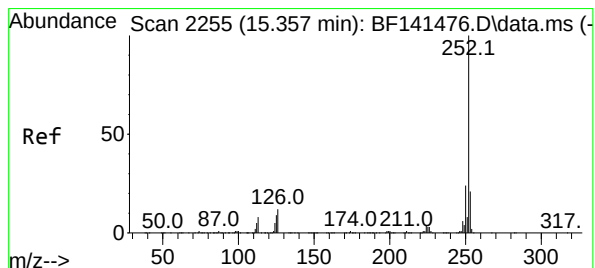
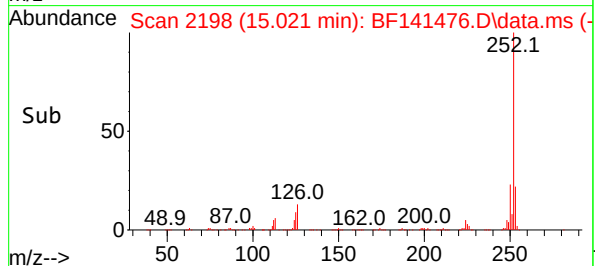
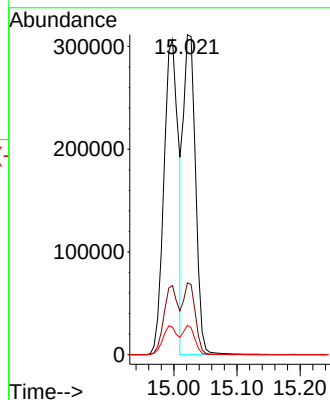
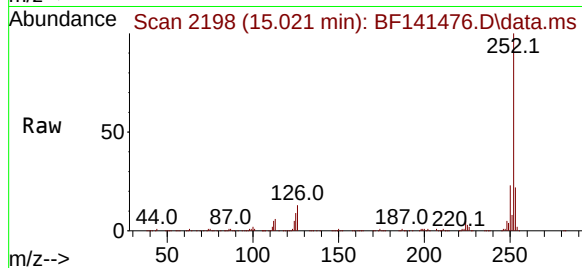
Tgt Ion:252 Resp: 417770

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 9.2 7.4 11.0



#90

Benzo(a)pyrene

Concen: 39.767 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141476.D

Acq: 06 Feb 2025 12:55

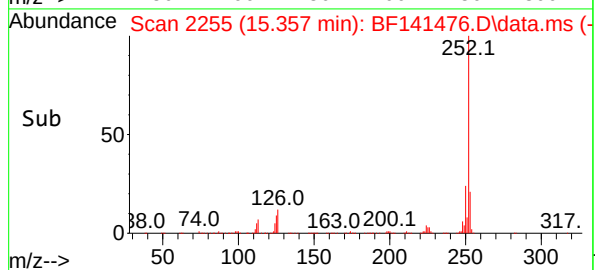
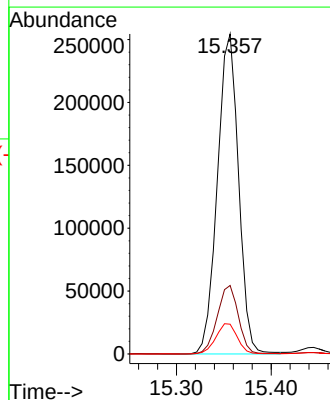
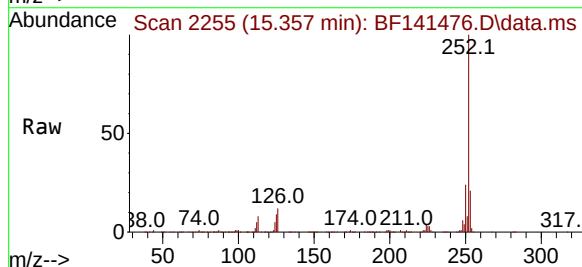
Tgt Ion:252 Resp: 395193

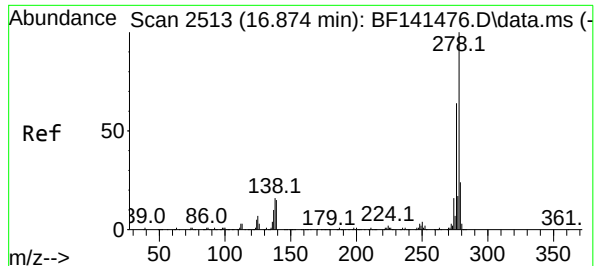
Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

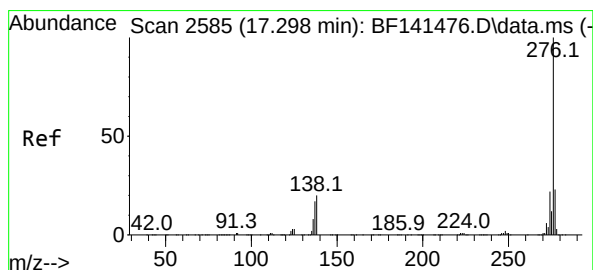
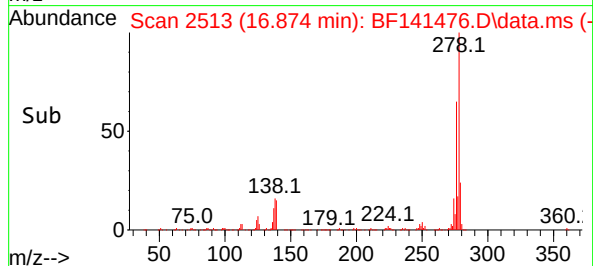
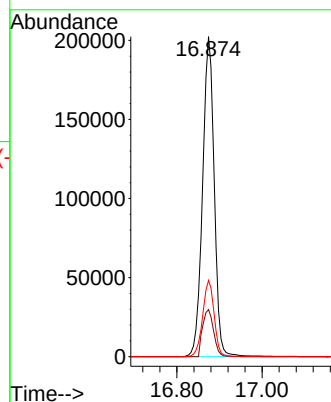
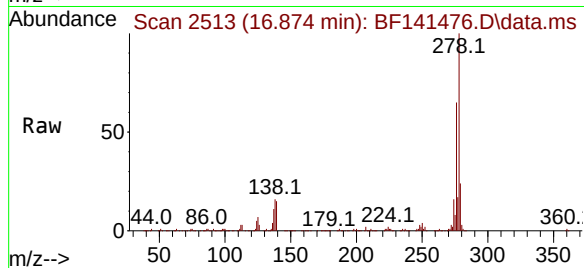
125 9.3 7.4 11.2





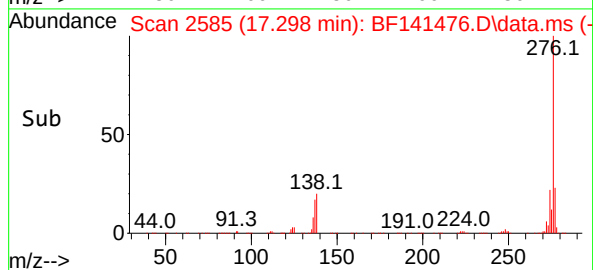
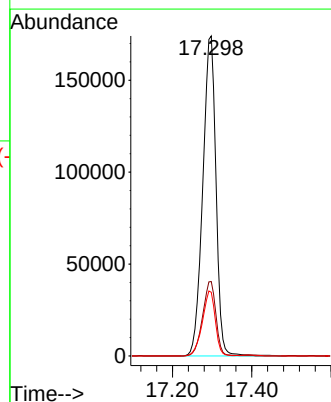
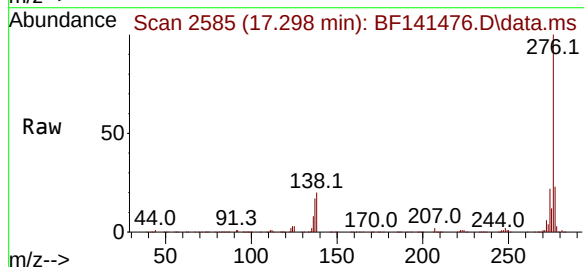
#91
Dibenzo(a,h)anthracene
Concen: 42.001 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 278 Resp: 384623
Ion Ratio Lower Upper
278 100
139 14.7 11.8 17.6
279 23.9 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 41.992 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.018 min
Lab File: BF141476.D
Acq: 06 Feb 2025 12:55

Tgt Ion: 276 Resp: 402413
Ion Ratio Lower Upper
276 100
277 23.3 18.6 28.0
138 19.9 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141477.D
 Acq On : 06 Feb 2025 13:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 06 16:00:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	87860	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347298	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	190523	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	323702	20.000	ng	0.00
76) Chrysene-d12	13.963	240	205879	20.000	ng	0.00
86) Perylene-d12	15.415	264	174906	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	559309	99.801	ng	0.00
7) Phenol-d6	6.434	99	702435	99.168	ng	0.00
23) Nitrobenzene-d5	7.357	82	657106	98.686	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	189178	98.845	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1182292	95.605	ng	0.00
79) Terphenyl-d14	12.904	244	1244053	102.010	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	110258	48.882	ng	98
3) Pyridine	3.210	79	275985	51.419	ng	100
4) n-Nitrosodimethylamine	3.169	42	183299	51.575	ng	97
6) Aniline	6.457	93	330719	49.774	ng	86
8) 2-Chlorophenol	6.581	128	300380	49.604	ng	98
9) Benzaldehyde	6.340	77	164133	43.605	ng	99
10) Phenol	6.445	94	364380	49.425	ng	98
11) bis(2-Chloroethyl)ether	6.528	93	274892	49.643	ng	98
12) 1,3-Dichlorobenzene	6.728	146	316493	49.506	ng	98
13) 1,4-Dichlorobenzene	6.810	146	321786	49.264	ng	98
14) 1,2-Dichlorobenzene	6.963	146	296834	48.964	ng	99
15) Benzyl Alcohol	6.934	79	274040	50.451	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	465332	49.091	ng	97
17) 2-Methylphenol	7.051	107	232571	49.081	ng	100
18) Hexachloroethane	7.298	117	122071	50.498	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	207915	49.072	ng	98
20) 3+4-Methylphenols	7.204	107	295179	49.011	ng	96
22) Acetophenone	7.204	105	419759	48.588	ng	99
24) Nitrobenzene	7.375	77	320155	49.308	ng	100
25) Isophorone	7.616	82	521533	49.123	ng	99
26) 2-Nitrophenol	7.692	139	164623	50.962	ng	96
27) 2,4-Dimethylphenol	7.734	122	189037	50.093	ng	98
28) bis(2-Chloroethoxy)met...	7.822	93	336274	49.430	ng	100
29) 2,4-Dichlorophenol	7.939	162	251518	49.328	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	270897	48.788	ng	99
31) Naphthalene	8.098	128	878692	48.605	ng	100
32) Benzoic acid	7.863	122	202728	51.719	ng	99
33) 4-Chloroaniline	8.151	127	312251	49.471	ng	99
34) Hexachlorobutadiene	8.210	225	163240	48.971	ng	99
35) Caprolactam	8.522	113	76350	49.180	ng	97
36) 4-Chloro-3-methylphenol	8.633	107	280911	49.736	ng	99
37) 2-Methylnaphthalene	8.786	142	572244	48.643	ng	99
38) 1-Methylnaphthalene	8.886	142	553503	48.579	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	266614	48.369	ng	98
41) Hexachlorocyclopentadiene	8.939	237	97674	53.276	ng	100
43) 2,4,6-Trichlorophenol	9.063	196	177503	49.825	ng	100

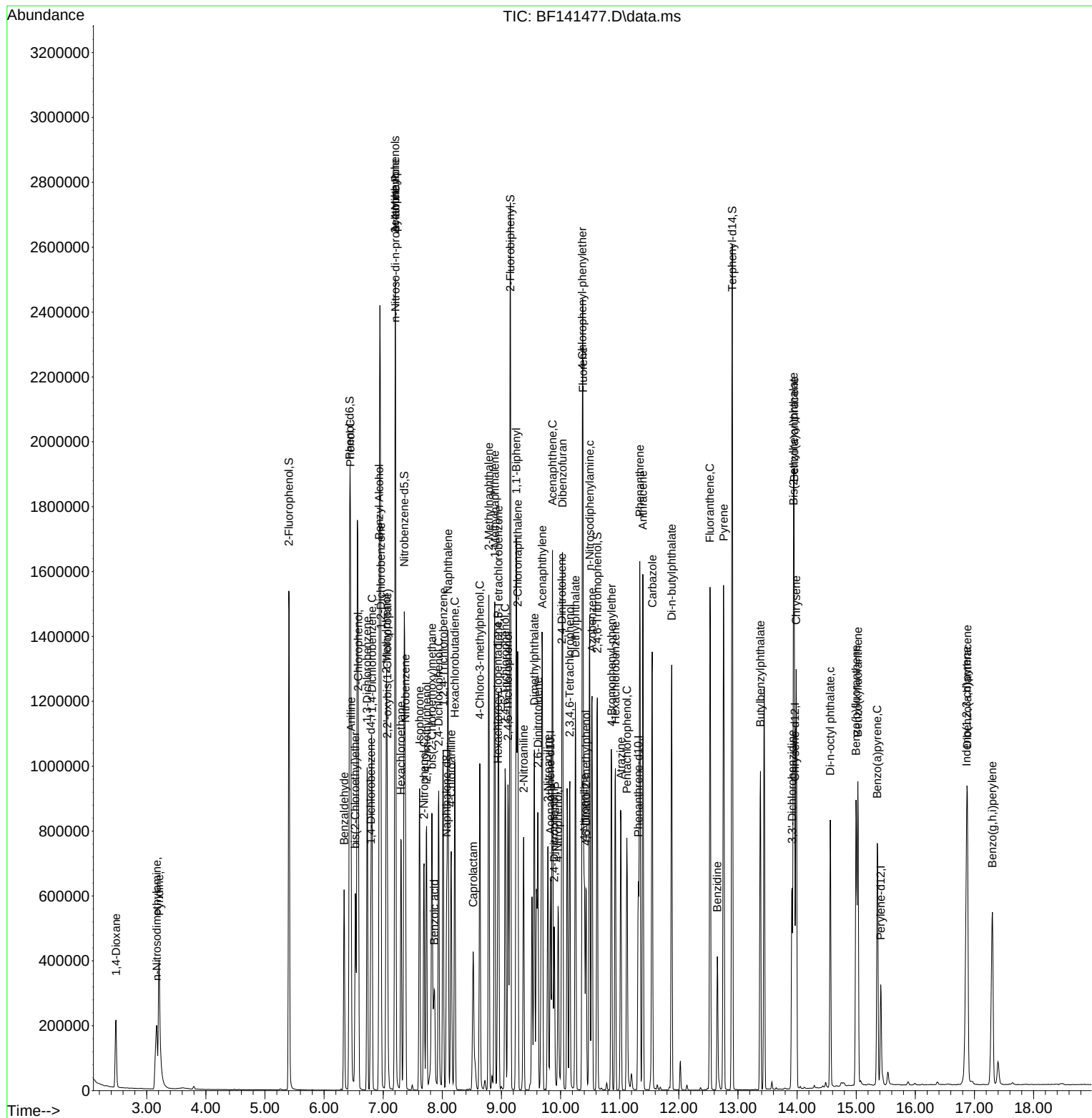
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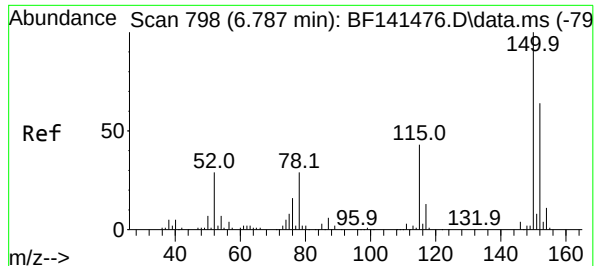
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	187902	48.667	ng	96
46) 1,1'-Biphenyl	9.251	154	722373	48.905	ng	100
47) 2-Chloronaphthalene	9.275	162	530577	48.576	ng	100
48) 2-Nitroaniline	9.375	65	181860	49.612	ng	99
49) Acenaphthylene	9.692	152	790730	48.672	ng	99
50) Dimethylphthalate	9.557	163	630673	48.760	ng	99
51) 2,6-Dinitrotoluene	9.616	165	140697	49.760	ng	98
52) Acenaphthene	9.863	154	527828	48.327	ng	100
53) 3-Nitroaniline	9.786	138	152426	50.087	ng	99
54) 2,4-Dinitrophenol	9.892	184	87953	52.339	ng	97
55) Dibenzofuran	10.033	168	777905	48.523	ng	100
56) 4-Nitrophenol	9.957	139	118835	52.603	ng	99
57) 2,4-Dinitrotoluene	10.022	165	185741	49.346	ng	98
58) Fluorene	10.380	166	590000	47.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	165559	49.807	ng	98
60) Diethylphthalate	10.251	149	619064	48.647	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	286530	48.048	ng	99
62) 4-Nitroaniline	10.404	138	151765	49.113	ng	99
63) Azobenzene	10.533	77	616638	48.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	114725	51.021	ng	97
66) n-Nitrosodiphenylamine	10.492	169	505770	48.810	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	177761	49.135	ng	98
68) Hexachlorobenzene	10.927	284	180930	48.567	ng	98
69) Atrazine	11.022	200	149758	48.175	ng	98
70) Pentachlorophenol	11.122	266	128081	53.769	ng	99
71) Phenanthrene	11.339	178	866517	48.631	ng	100
72) Anthracene	11.392	178	877393	48.984	ng	99
73) Carbazole	11.551	167	781733	48.504	ng	100
74) Di-n-butylphthalate	11.880	149	915782	49.210	ng	100
75) Fluoranthene	12.527	202	913699	48.367	ng	100
77) Benzidine	12.651	184	222606	49.026	ng	99
78) Pyrene	12.757	202	913198	52.106	ng	100
80) Butylbenzylphthalate	13.380	149	310612	51.168	ng	99
81) Benzo(a)anthracene	13.951	228	673785	49.234	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	186802	47.650	ng	98
83) Chrysene	13.986	228	625572	49.505	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	350121	51.138	ng	100
85) Di-n-octyl phthalate	14.563	149	519741	53.213	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	586584	54.277	ng	99
88) Benzo(b)fluoranthene	14.998	252	590149	50.251	ng	99
89) Benzo(k)fluoranthene	15.027	252	469466	46.814	ng	100
90) Benzo(a)pyrene	15.357	252	467288	49.173	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	477285	54.503	ng	99
92) Benzo(g,h,i)perylene	17.304	276	500274	54.592	ng	99

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

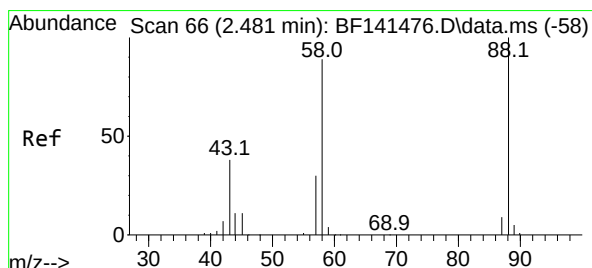
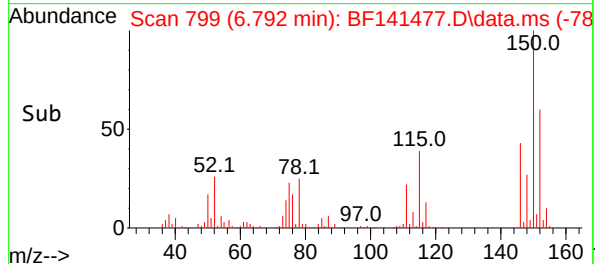
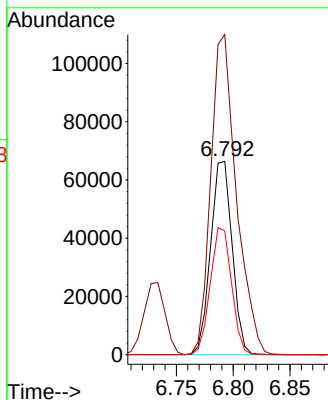
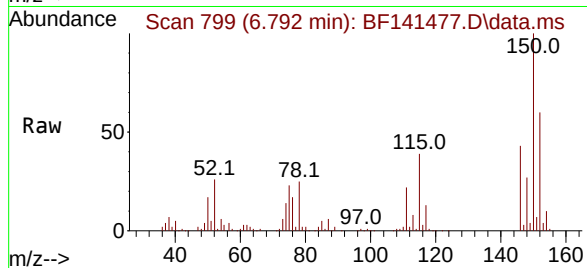
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





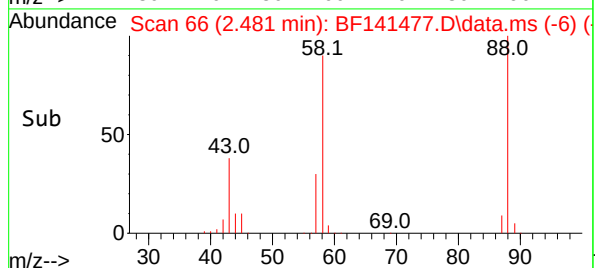
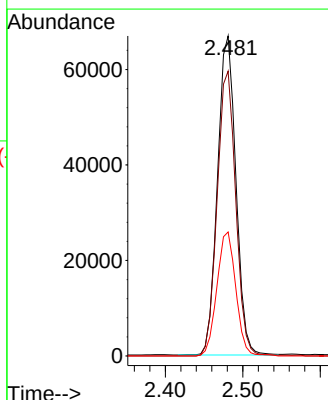
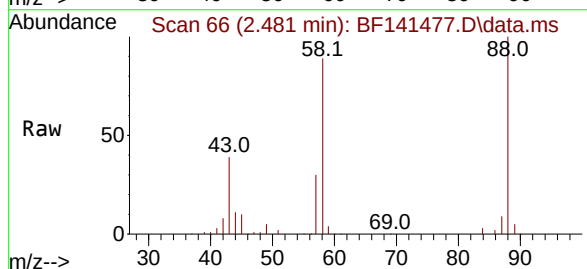
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

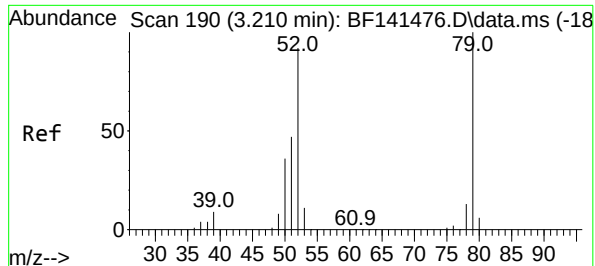
Tgt Ion:152 Resp: 87860
Ion Ratio Lower Upper
152 100
150 165.6 125.0 187.4
115 64.1 53.6 80.4



#2
1,4-Dioxane
Concen: 48.882 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

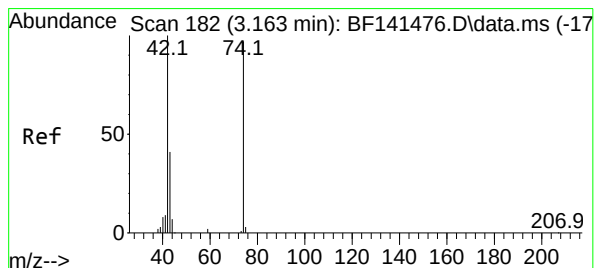
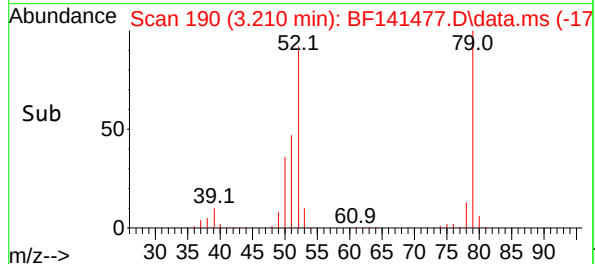
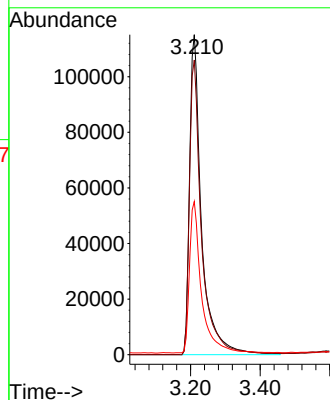
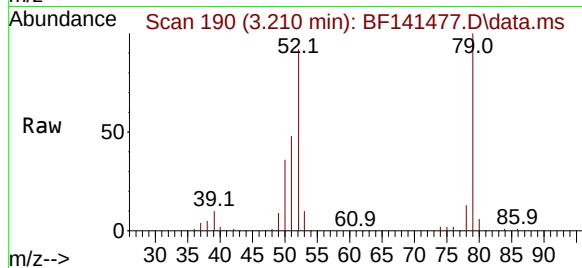
Tgt Ion: 88 Resp: 110258
Ion Ratio Lower Upper
88 100
58 90.6 71.1 106.7
43 40.1 30.6 46.0





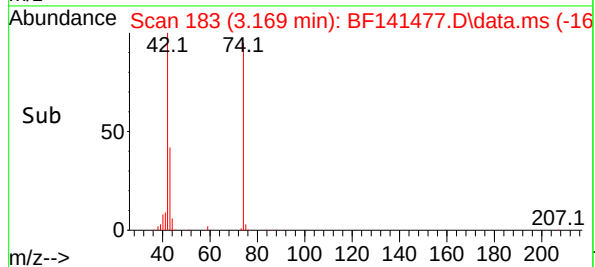
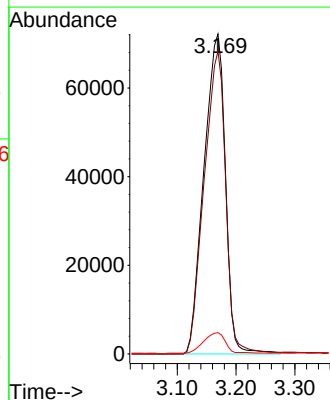
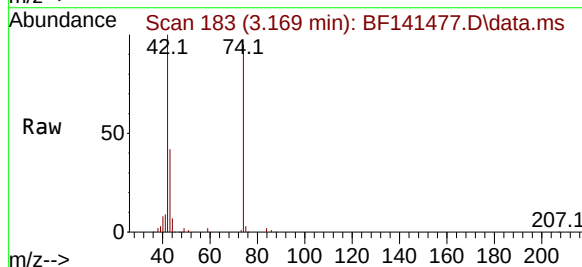
#3
Pyridine
Concen: 51.419 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

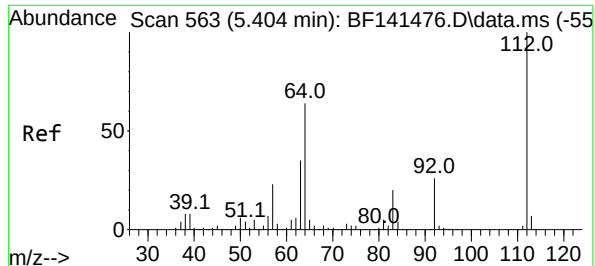
Tgt Ion	Ratio	Lower	Upper
79	100		
52	92.1	73.7	110.5
51	47.9	37.5	56.3



#4
n-Nitrosodimethylamine
Concen: 51.575 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.018 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

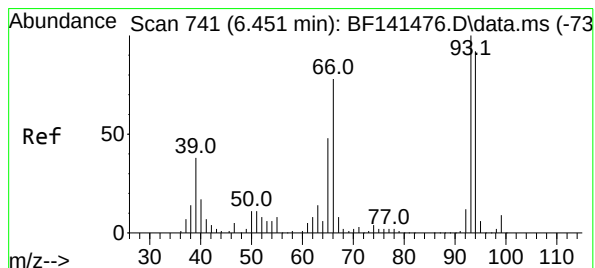
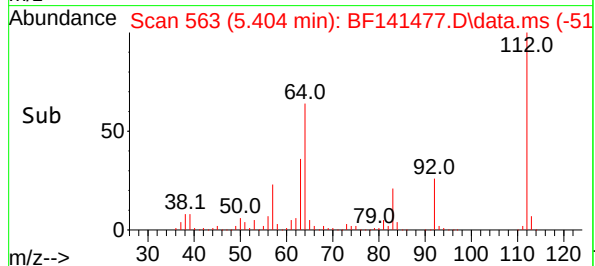
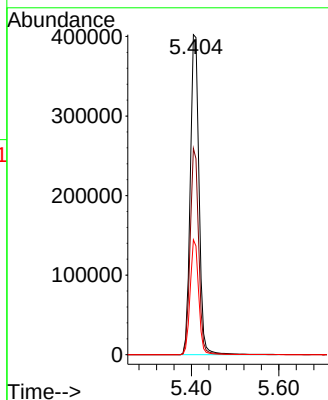
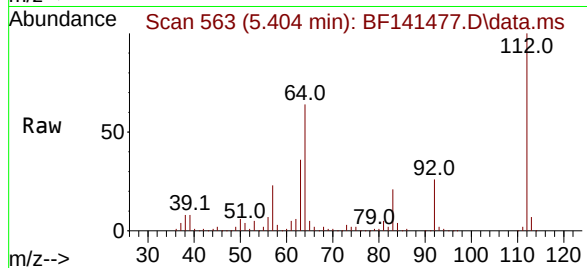
Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.6	78.0	117.0
44	6.7	5.4	8.2





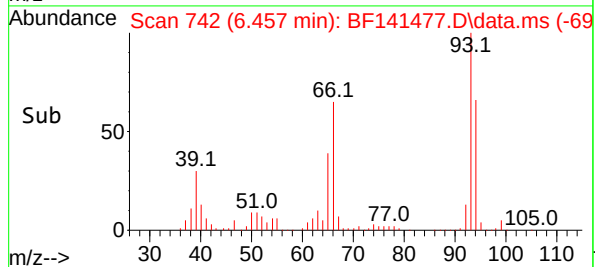
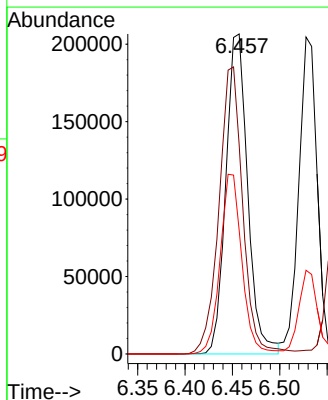
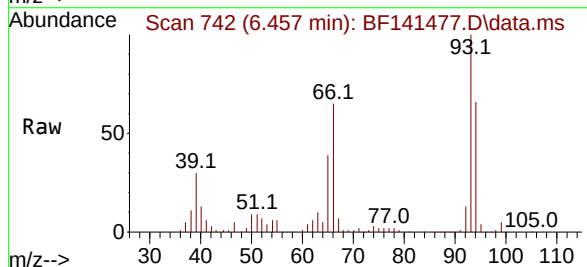
#5
2-Fluorophenol
Concen: 99.801 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

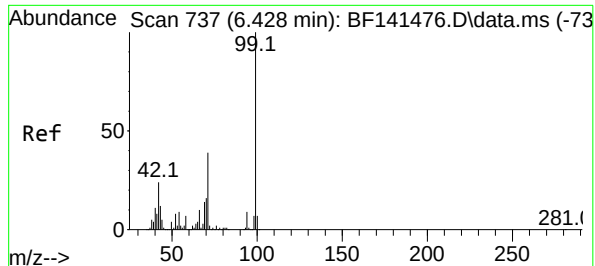
Tgt Ion:112 Resp: 559309
Ion Ratio Lower Upper
112 100
64 64.4 51.1 76.7
63 35.9 28.4 42.6



#6
Aniline
Concen: 49.774 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

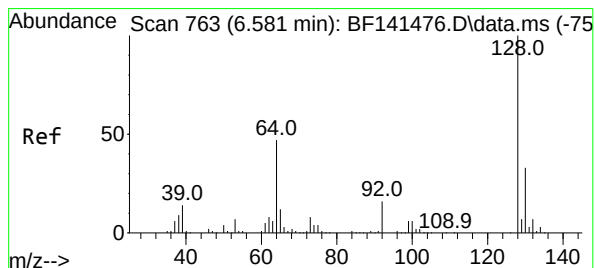
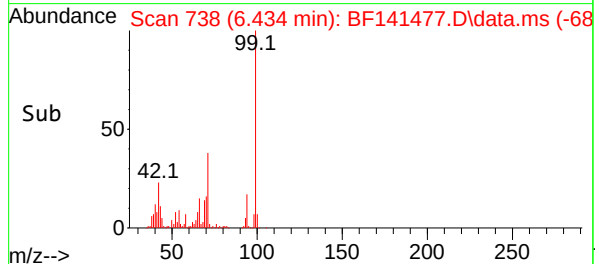
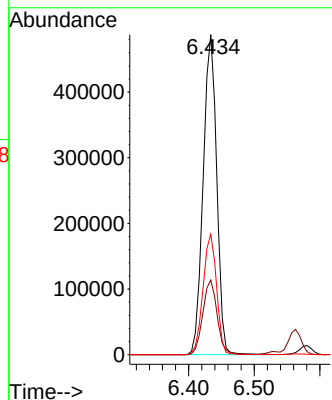
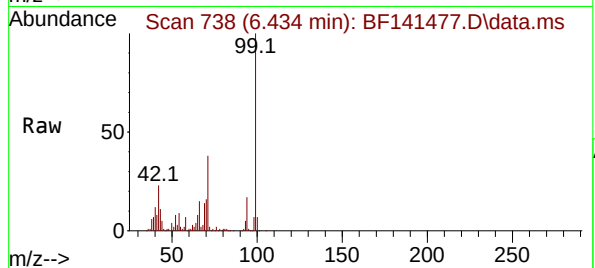
Tgt Ion: 93 Resp: 330719
Ion Ratio Lower Upper
93 100
66 65.4 62.6 94.0
65 38.7 38.3 57.5





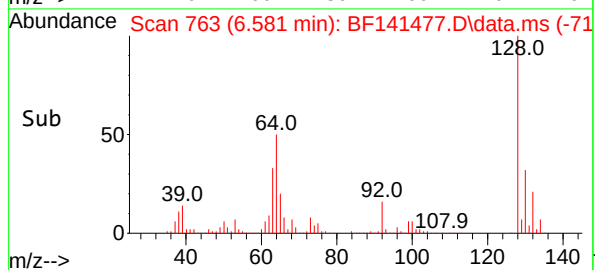
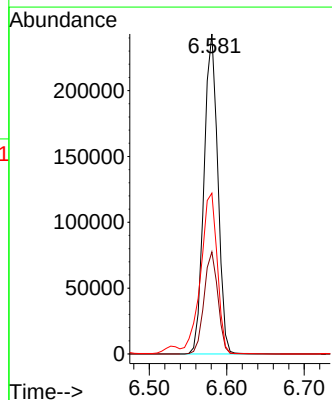
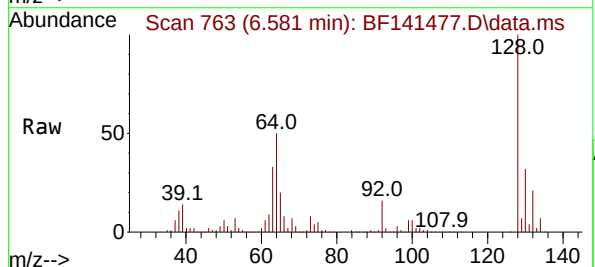
#7
Phenol-d6
Concen: 99.168 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

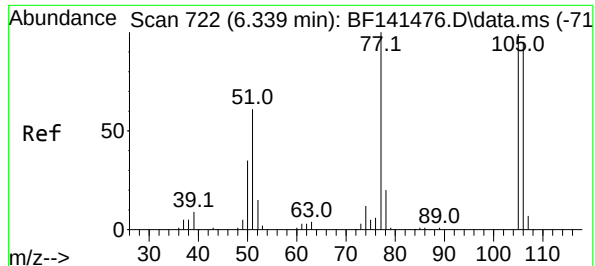
Tgt Ion: 99 Resp: 702435
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 37.6 31.1 46.7



#8
2-Chlorophenol
Concen: 49.604 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

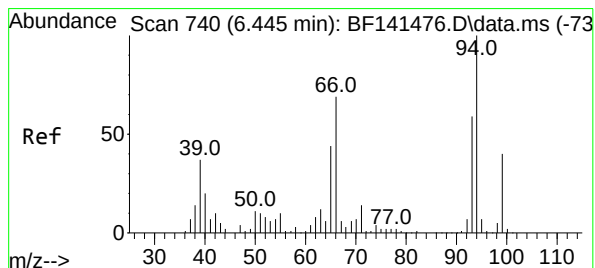
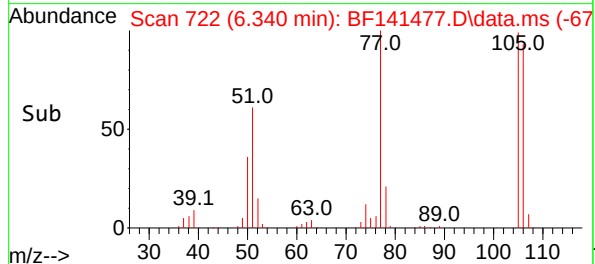
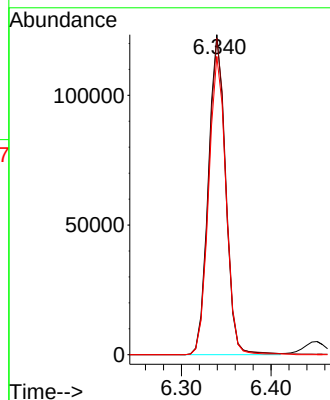
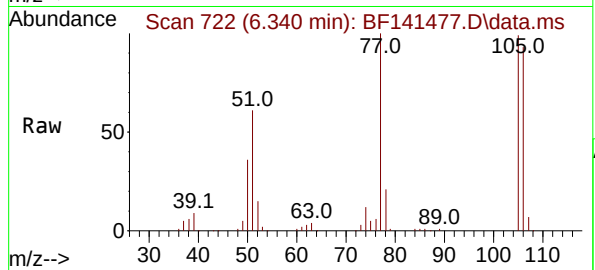
Tgt Ion: 128 Resp: 300380
Ion Ratio Lower Upper
128 100
130 31.9 12.7 52.7
64 50.3 28.3 68.3





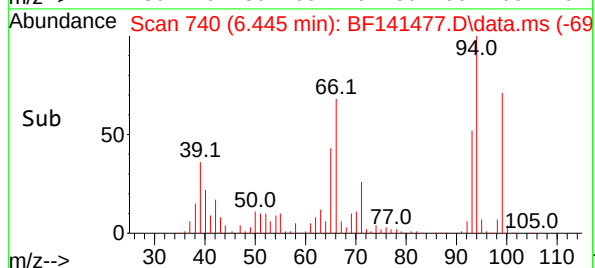
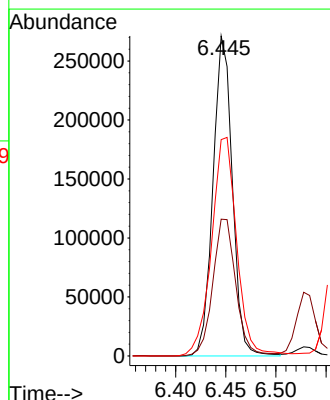
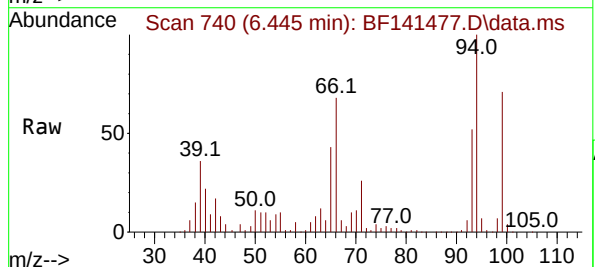
#9
Benzaldehyde
Concen: 43.605 ng
RT: 6.340 min Scan# 722
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

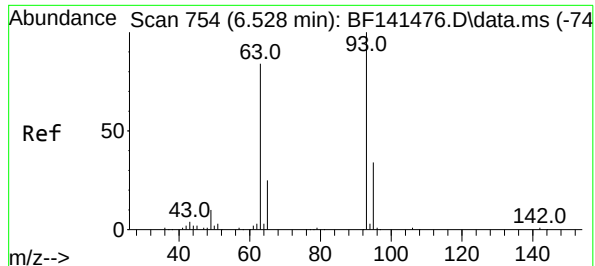
Tgt Ion: 77 Resp: 164133
Ion Ratio Lower Upper
77 100
105 98.9 79.4 119.4
106 93.2 75.1 115.1



#10
Phenol
Concen: 49.425 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

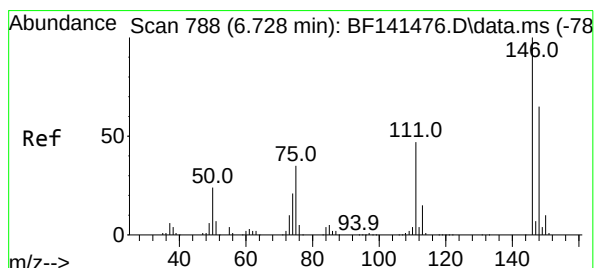
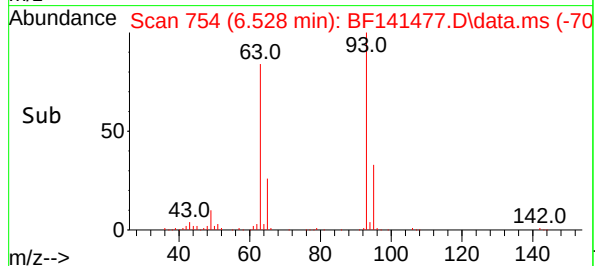
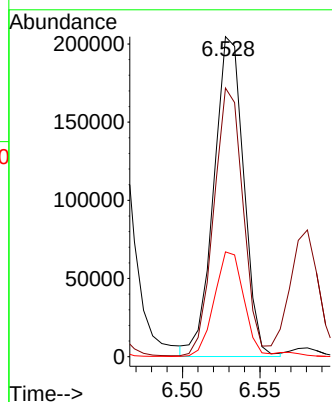
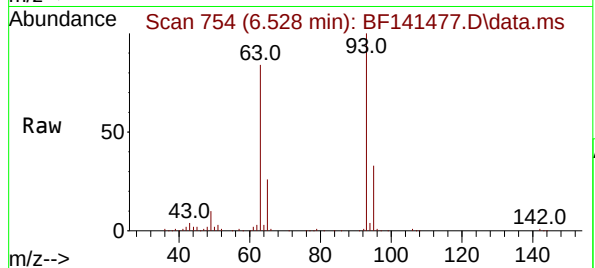
Tgt Ion: 94 Resp: 364380
Ion Ratio Lower Upper
94 100
65 42.8 23.7 63.7
66 67.6 49.3 89.3





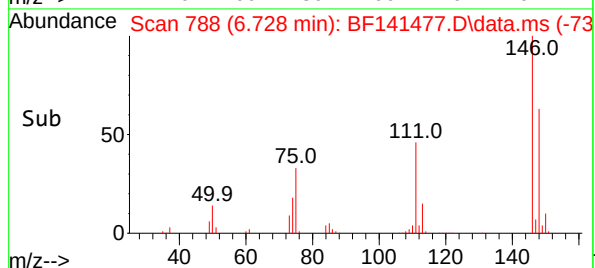
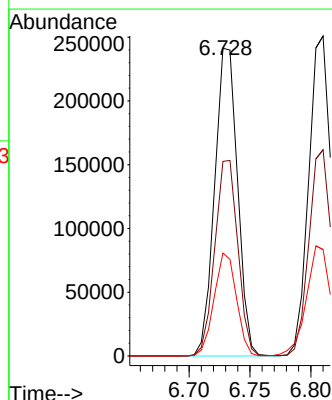
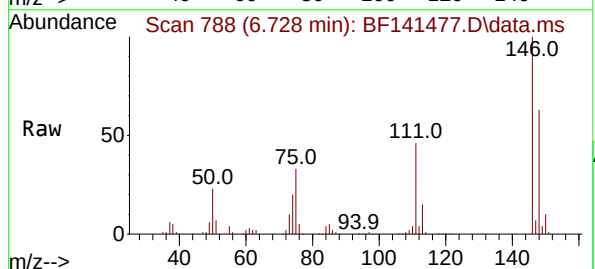
#11
bis(2-Chloroethyl)ether
Concen: 49.643 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

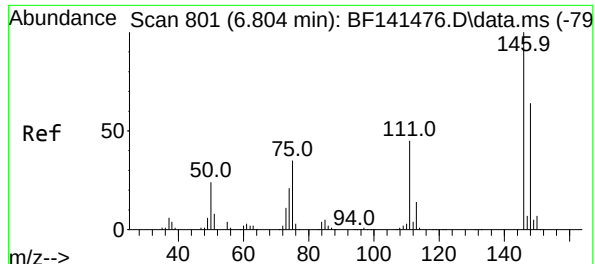
Tgt Ion: 93 Resp: 274892
Ion Ratio Lower Upper
93 100
63 83.9 62.0 102.0
95 32.8 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 49.506 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 146 Resp: 316493
Ion Ratio Lower Upper
146 100
148 63.2 51.9 77.9
75 33.4 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 49.264 ng

RT: 6.810 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

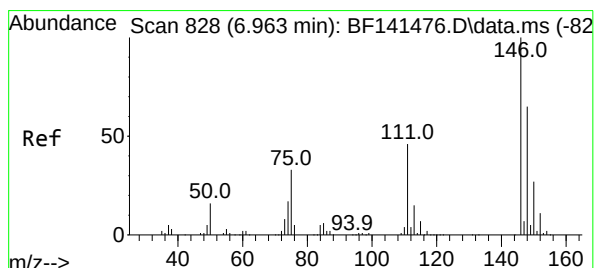
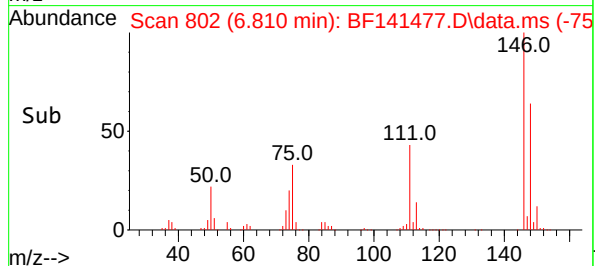
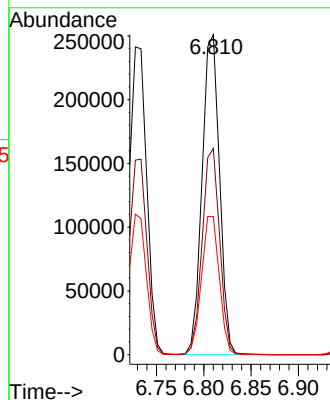
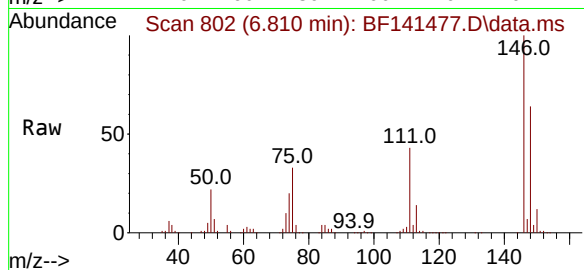
Tgt Ion:146 Resp: 321786

Ion Ratio Lower Upper

146 100

148 64.5 50.9 76.3

111 43.1 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 48.964 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

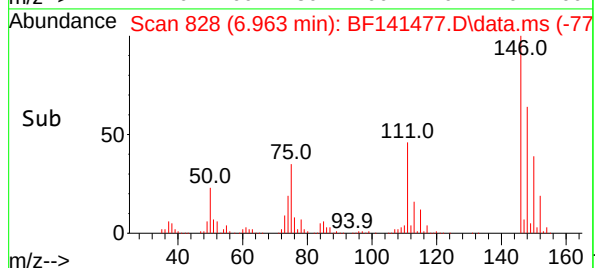
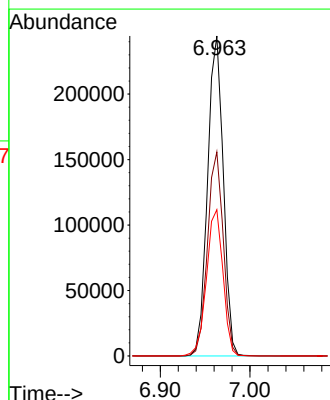
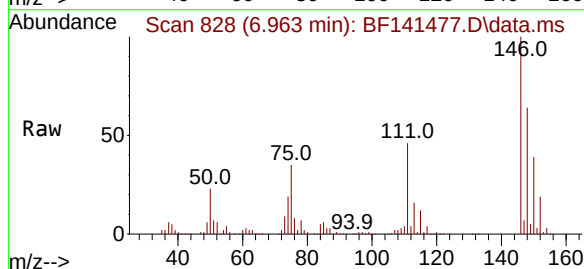
Tgt Ion:146 Resp: 296834

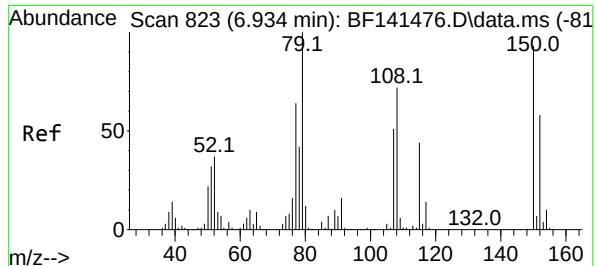
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

111 45.7 37.0 55.4





#15

Benzyl Alcohol

Concen: 50.451 ng

RT: 6.934 min Scan# 823

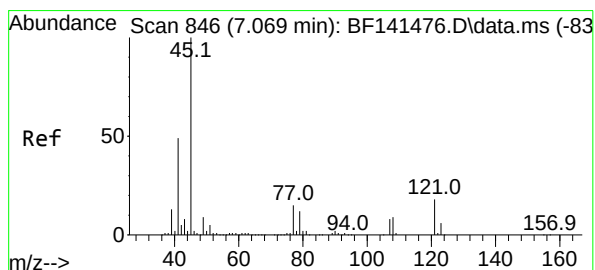
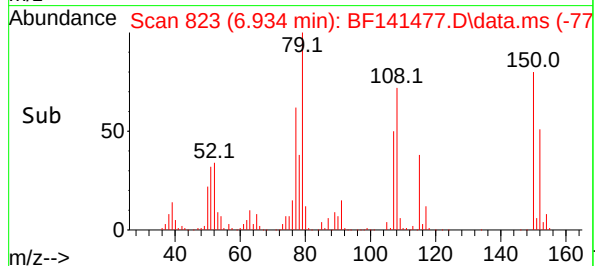
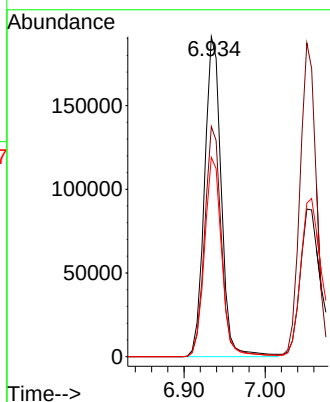
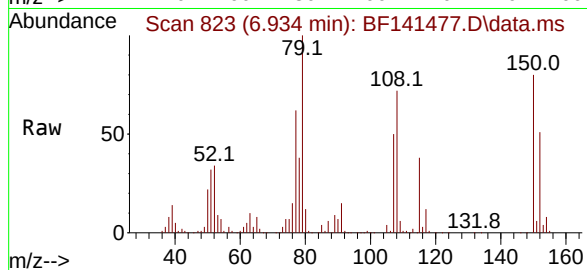
Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 79 Resp: 274040

Ion	Ratio	Lower	Upper
79	100		
108	71.9	57.4	86.2
77	62.3	50.9	76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 49.091 ng

RT: 7.069 min Scan# 846

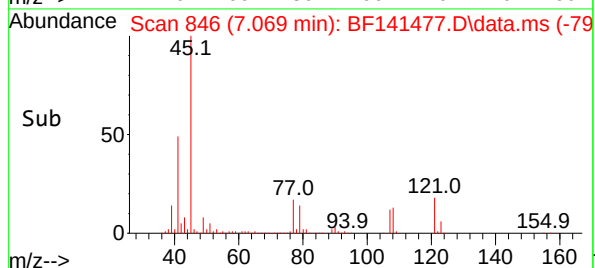
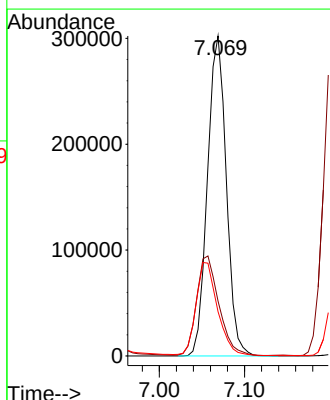
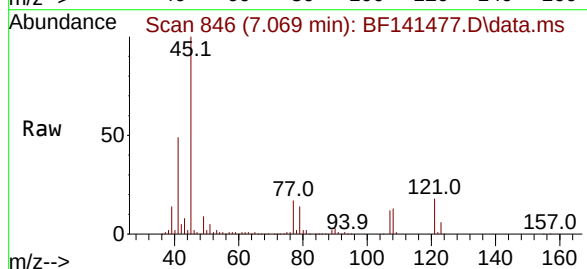
Delta R.T. 0.000 min

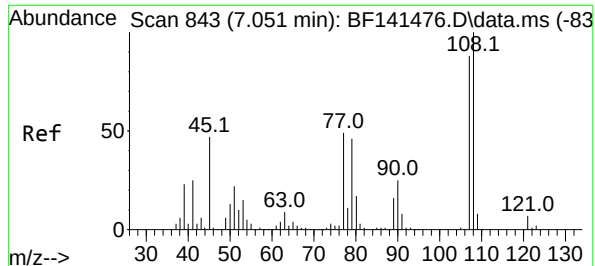
Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 45 Resp: 465332

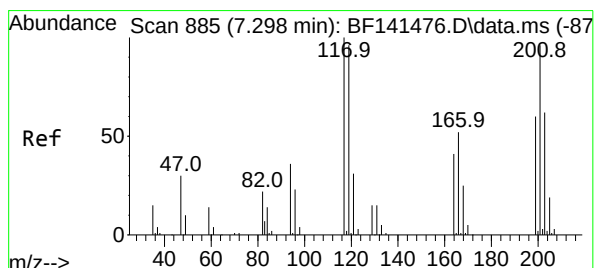
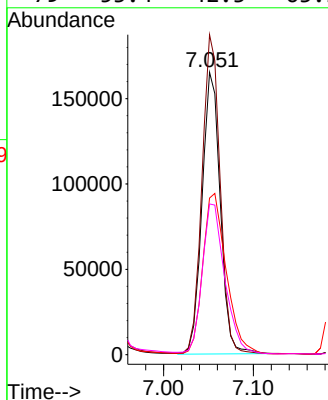
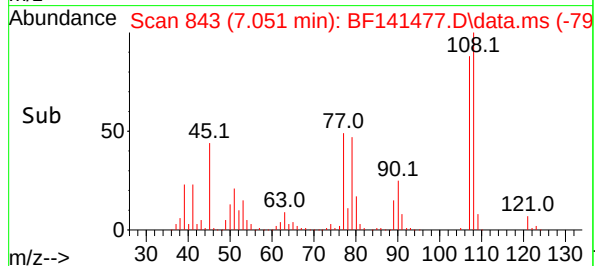
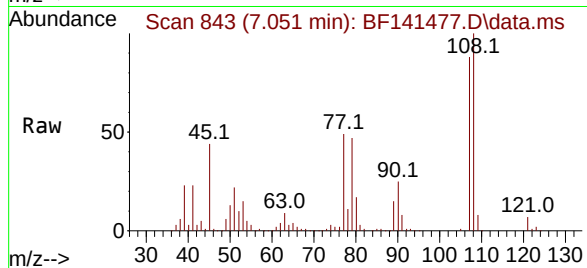
Ion	Ratio	Lower	Upper
45	100		
77	17.2	0.0	35.8
79	13.9	0.0	32.7





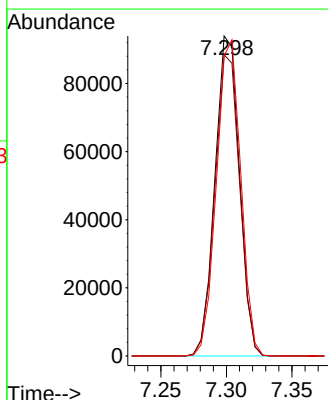
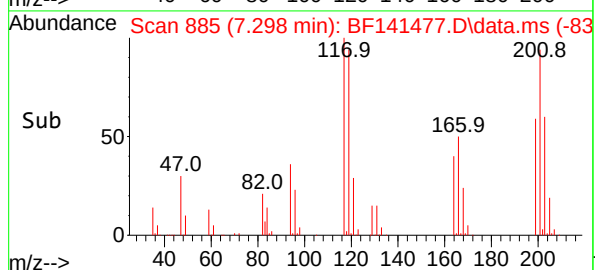
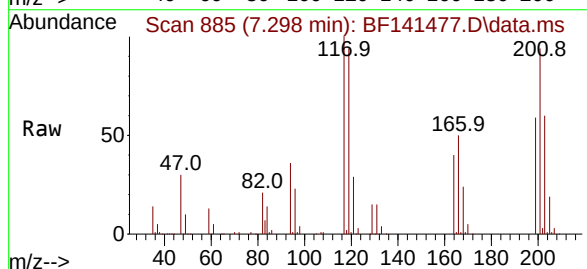
#17
2-Methylphenol
Concen: 49.081 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

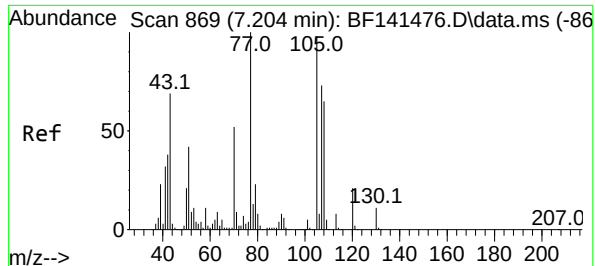
Tgt Ion:	107	Resp:	232571
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	55.4	44.4	66.6
79	53.4	42.3	63.5



#18
Hexachloroethane
Concen: 50.498 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:	117	Resp:	122071
Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.5	114.7
201	93.8	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 49.072 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 70 Resp: 207915

Ion	Ratio	Lower	Upper
70	100		
42	69.6	57.4	86.2
101	9.6	8.0	12.0
130	21.9	16.9	25.3

Abundance

7.210

100000

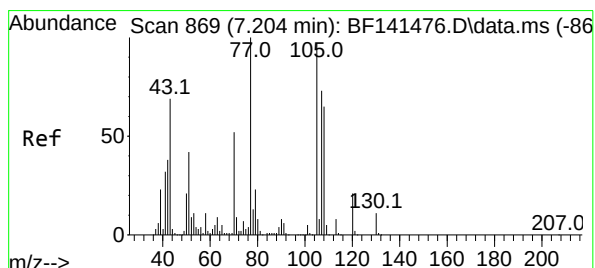
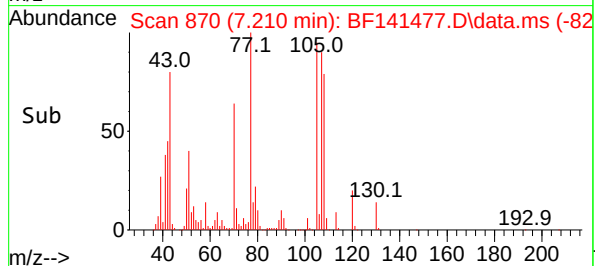
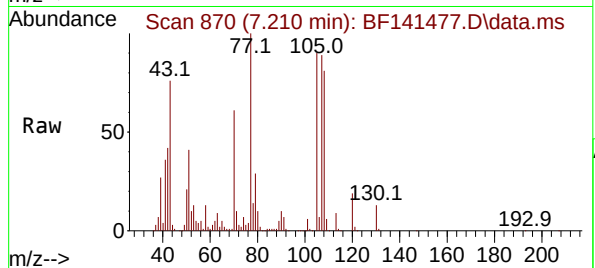
50000

0

Time-->

7.20

7.30



#20

3+4-Methylphenols

Concen: 49.011 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:107 Resp: 295179

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	143.8	116.5	156.5
79	31.4	12.0	52.0

Abundance

300000

200000

100000

0

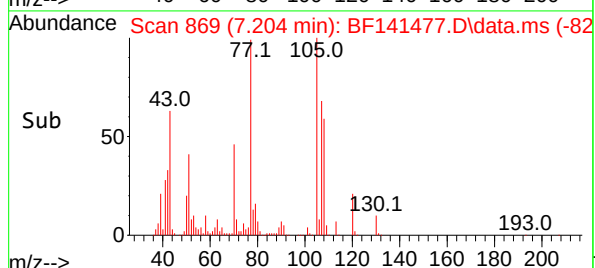
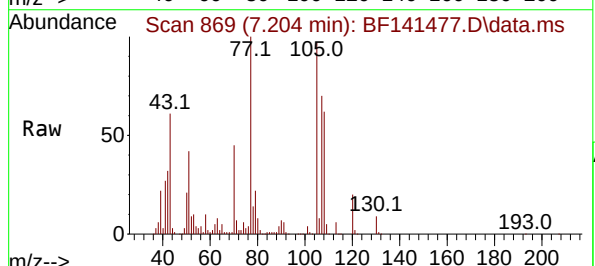
Time-->

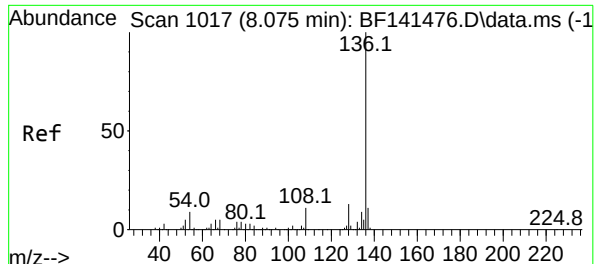
7.10

7.20

7.30

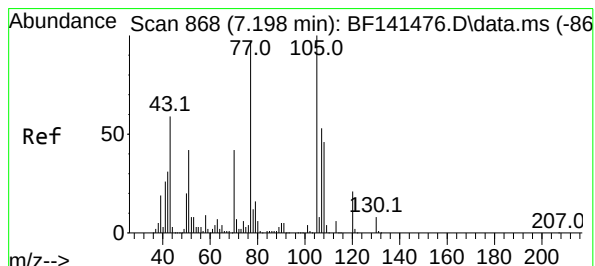
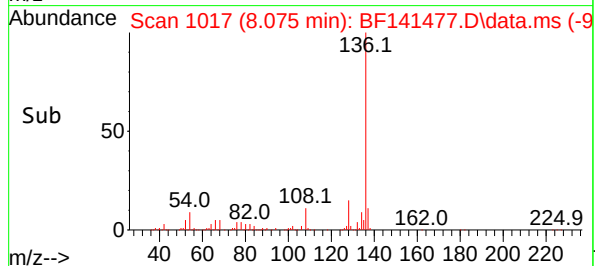
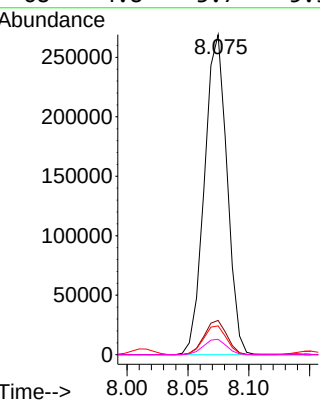
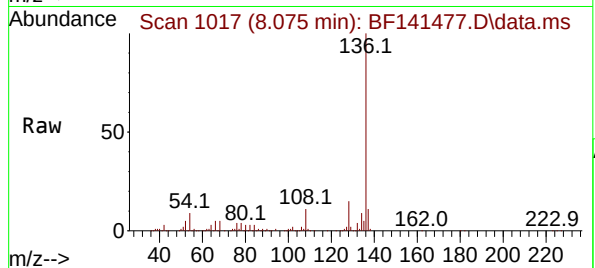
7.40





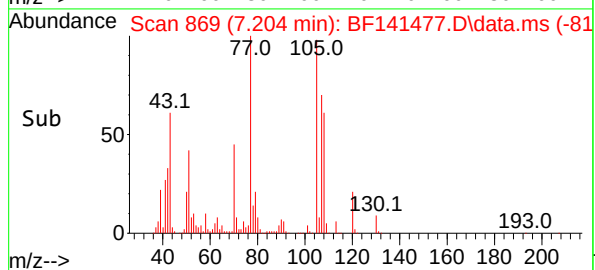
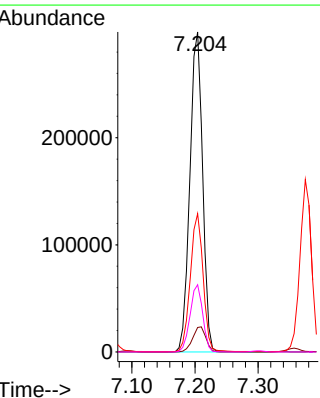
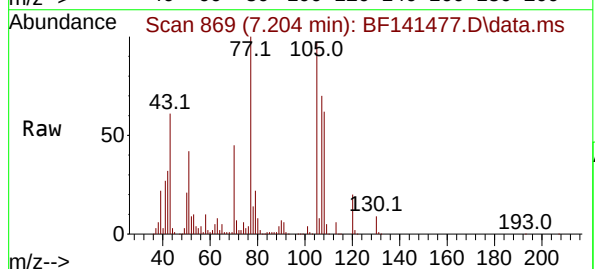
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

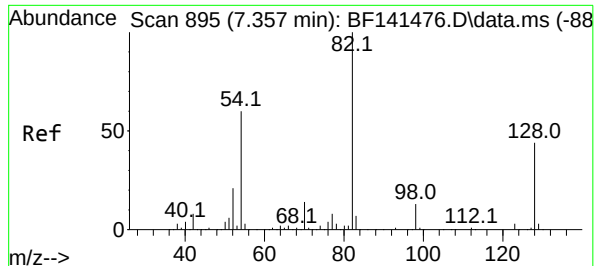
Tgt Ion:136 Resp: 347298
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.2 10.8
68 4.8 3.7 5.5



#22
Acetophenone
Concen: 48.588 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:105 Resp: 419759
Ion Ratio Lower Upper
105 100
71 7.7 5.7 8.5
51 43.2 33.7 50.5
120 21.0 17.0 25.6





#23

Nitrobenzene-d5

Concen: 98.686 ng

RT: 7.357 min Scan# 895

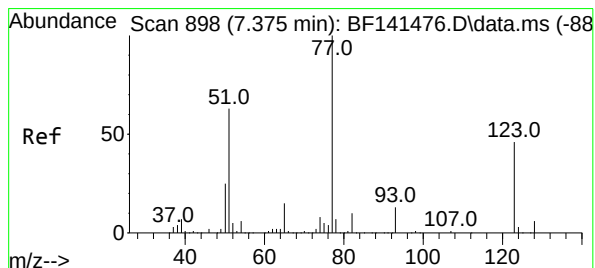
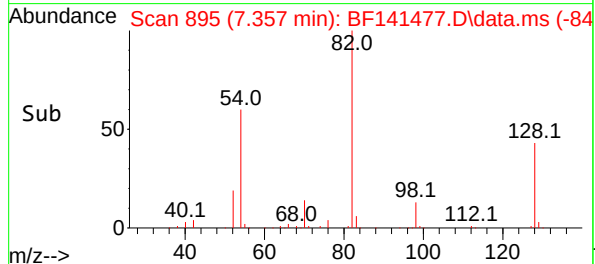
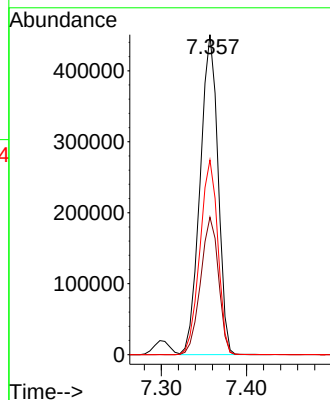
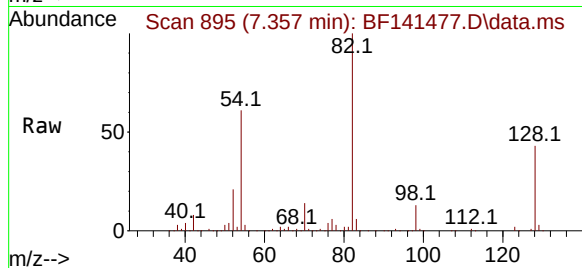
Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 82 Resp: 657106

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	60.9	48.2	72.4



#24

Nitrobenzene

Concen: 49.308 ng

RT: 7.375 min Scan# 898

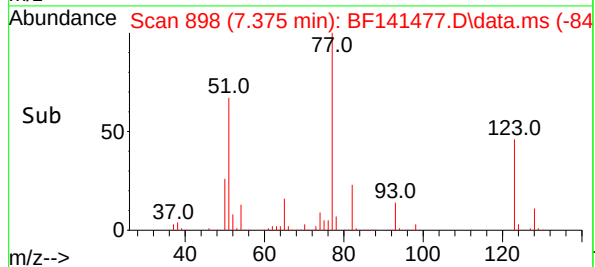
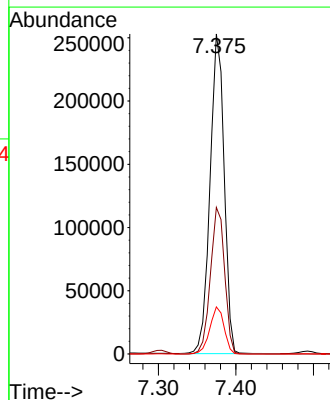
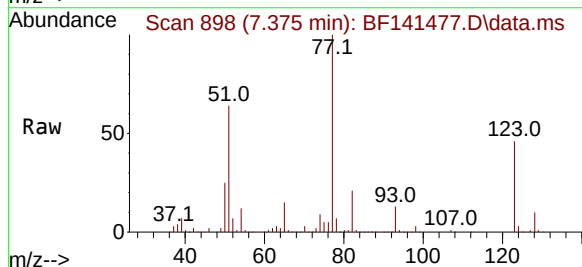
Delta R.T. -0.006 min

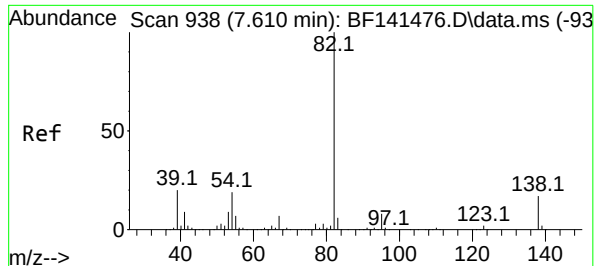
Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 77 Resp: 320155

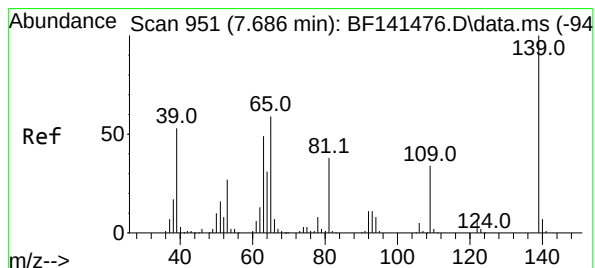
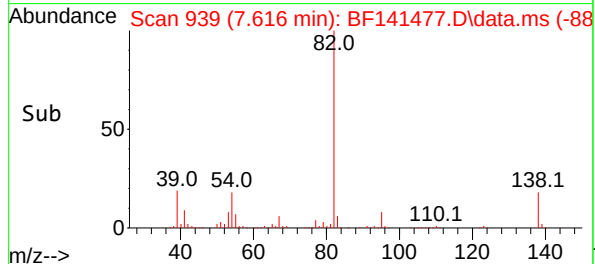
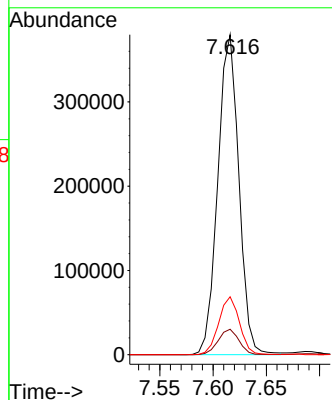
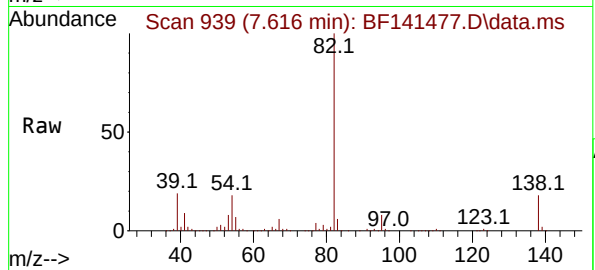
Ion	Ratio	Lower	Upper
77	100		
123	45.8	36.9	55.3
65	14.7	11.9	17.9





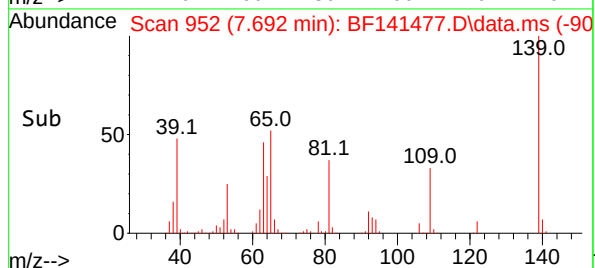
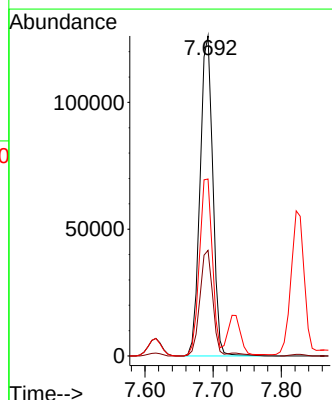
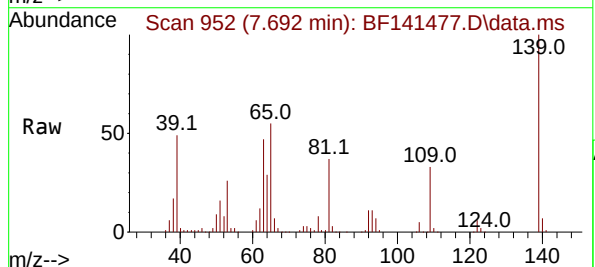
#25
Isophorone
Concen: 49.123 ng
RT: 7.616 min Scan# 939
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

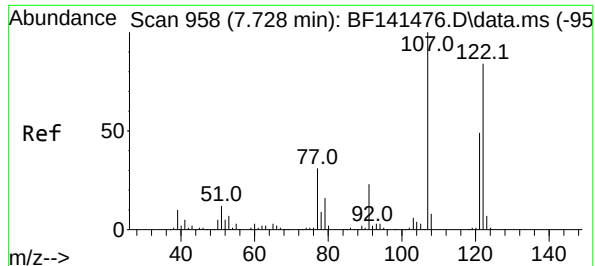
Tgt Ion: 82 Resp: 521533
Ion Ratio Lower Upper
82 100
95 8.0 6.4 9.6
138 18.1 13.9 20.9



#26
2-Nitrophenol
Concen: 50.962 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion: 139 Resp: 164623
Ion Ratio Lower Upper
139 100
109 33.0 27.0 40.6
65 55.3 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 50.093 ng

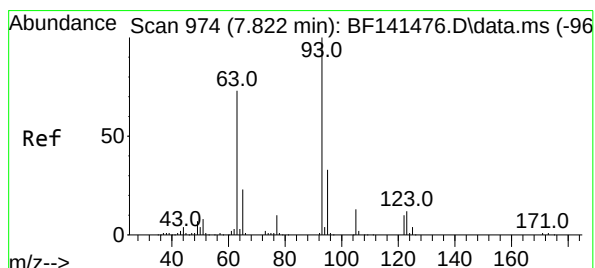
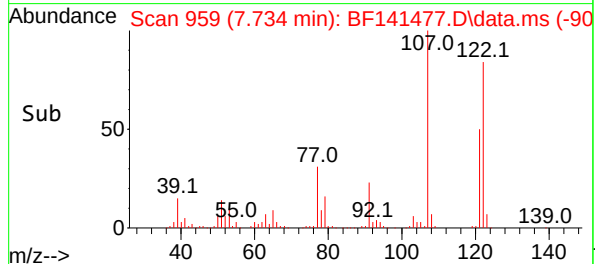
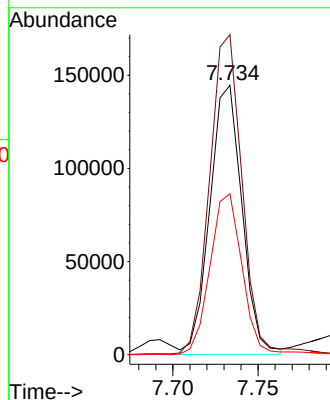
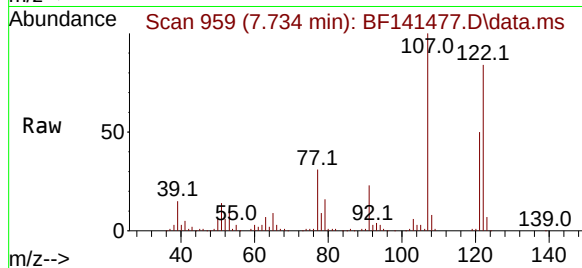
RT: 7.734 min Scan# 959

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:122	Resp: 189037
Ion Ratio	Lower Upper
122	100
107	118.8 94.3 141.5
121	59.7 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 49.430 ng

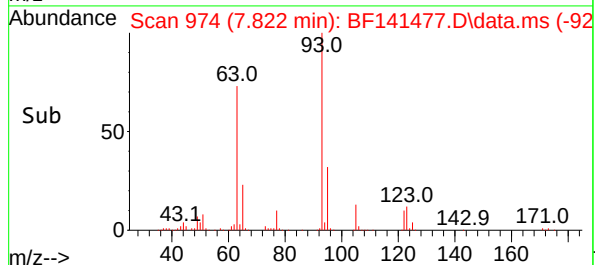
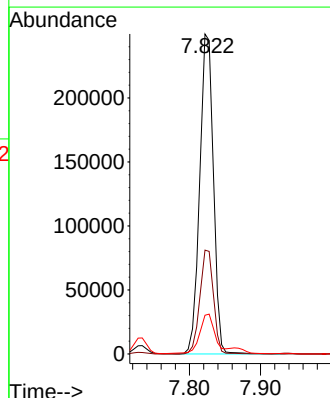
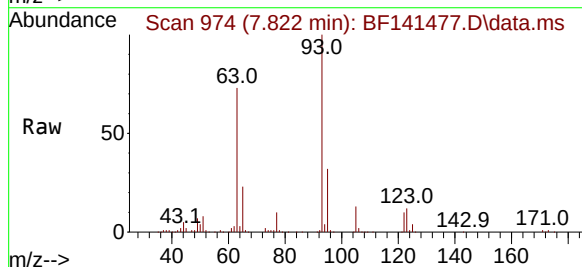
RT: 7.822 min Scan# 974

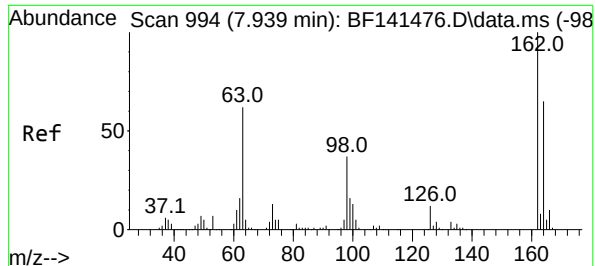
Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion: 93	Resp: 336274
Ion Ratio	Lower Upper
93	100
95	32.5 26.1 39.1
123	12.1 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 49.328 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

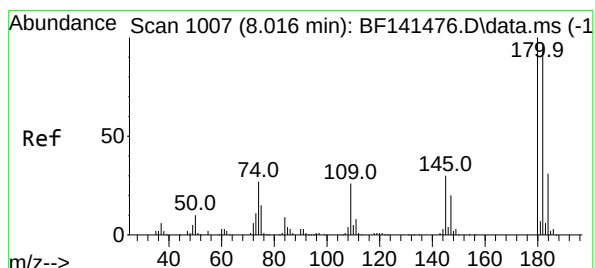
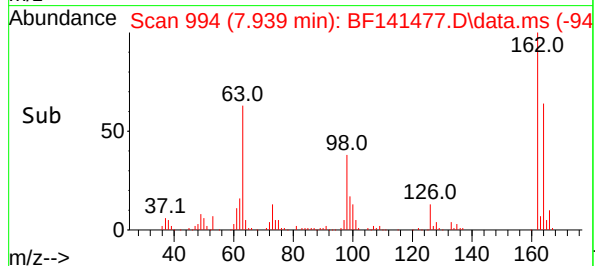
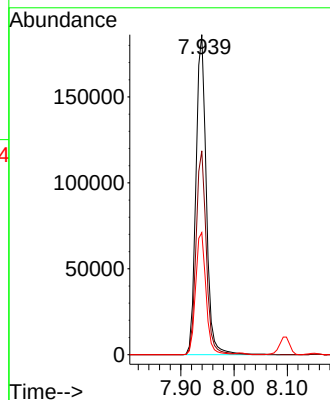
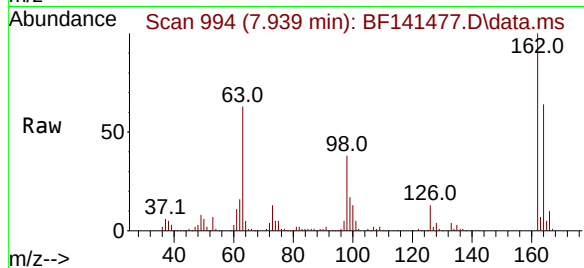
Tgt Ion:162 Resp: 251518

Ion Ratio Lower Upper

162 100

164 63.7 44.6 84.6

98 38.1 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 48.788 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

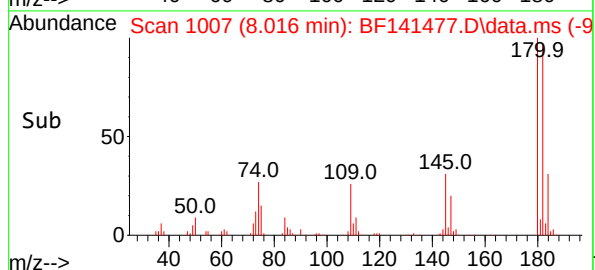
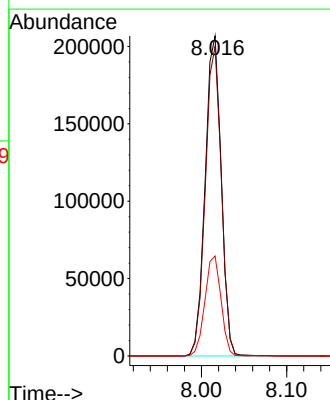
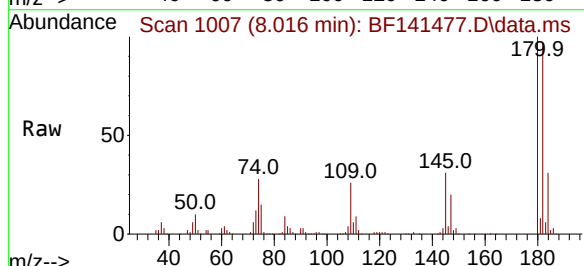
Tgt Ion:180 Resp: 270897

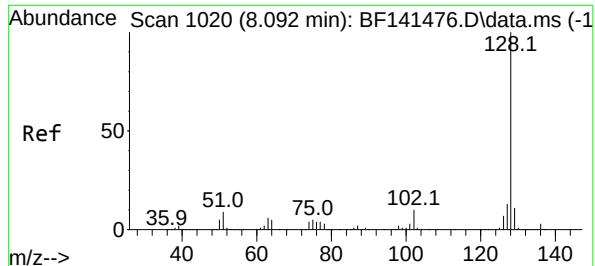
Ion Ratio Lower Upper

180 100

182 96.8 76.8 115.2

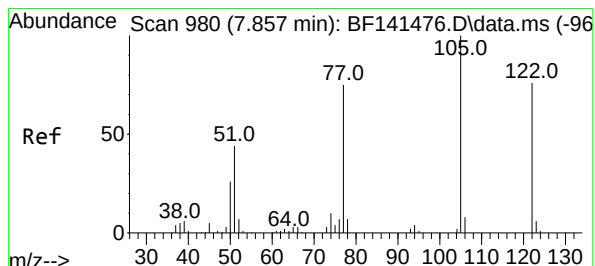
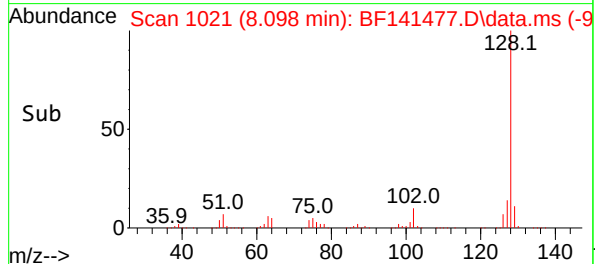
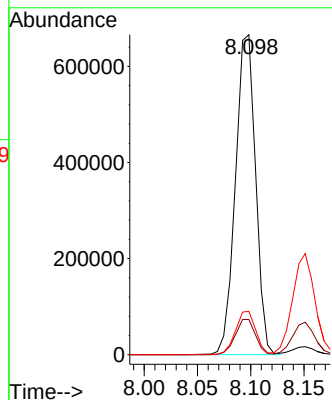
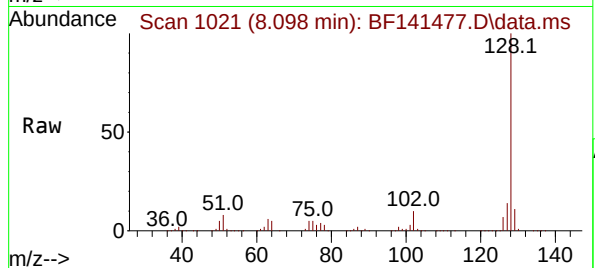
145 31.3 24.2 36.4





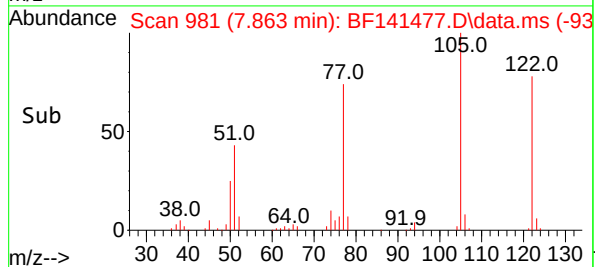
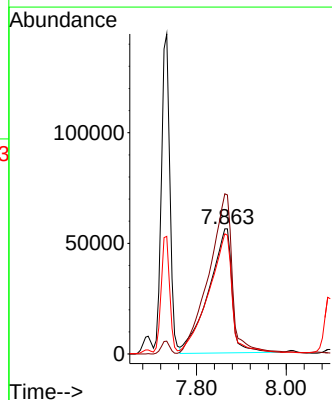
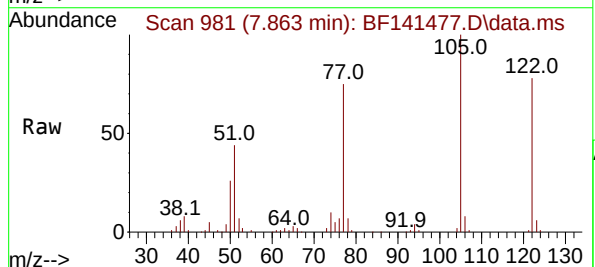
#31
Naphthalene
Concen: 48.605 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

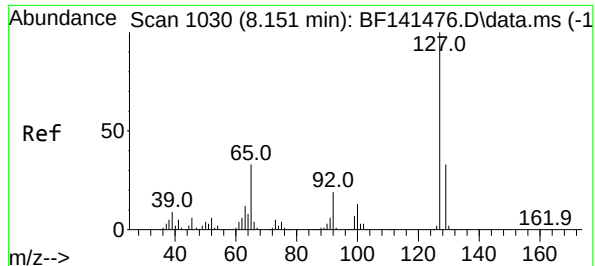
Tgt Ion:128 Resp: 878692
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.6 10.7 16.1



#32
Benzoic acid
Concen: 51.719 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.029 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

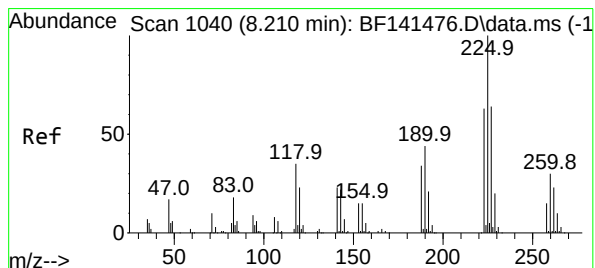
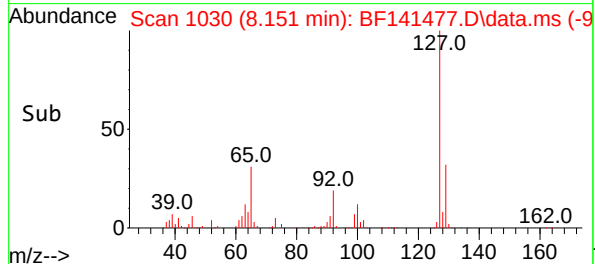
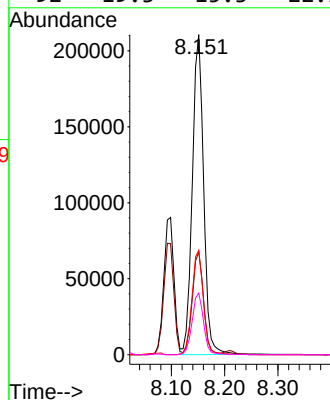
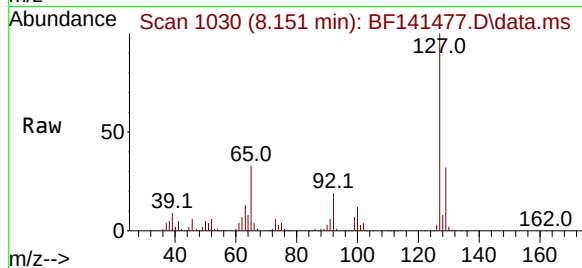
Tgt Ion:122 Resp: 202728
Ion Ratio Lower Upper
122 100
105 128.0 106.5 146.5
77 96.0 76.3 116.3





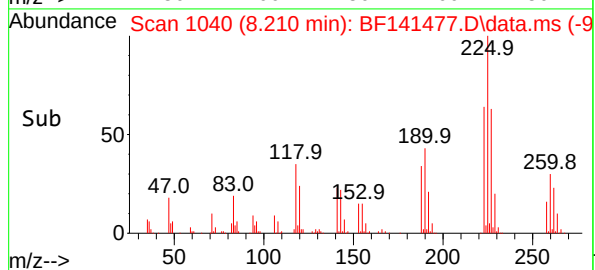
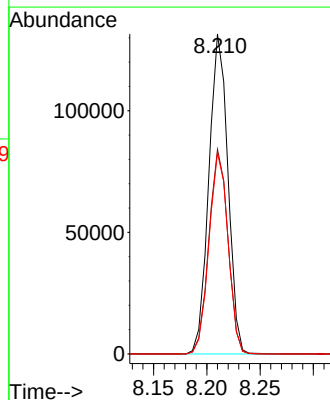
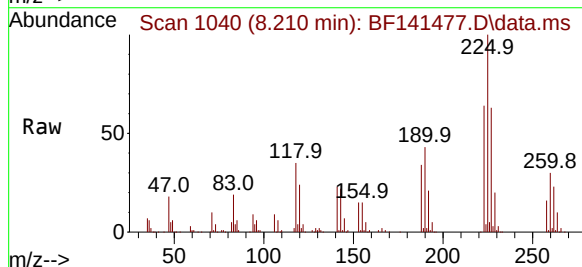
#33
4-Chloroaniline
Concen: 49.471 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

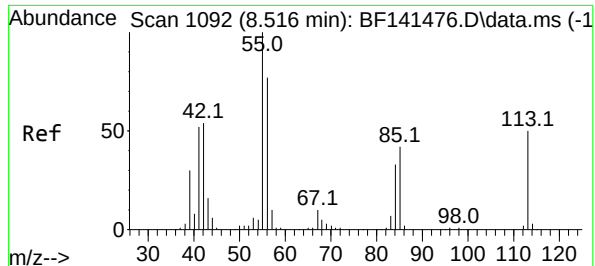
Tgt Ion:	127	Resp:	312251
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.5	39.7
65	32.6	26.4	39.6
92	19.3	15.3	22.9



#34
Hexachlorobutadiene
Concen: 48.971 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

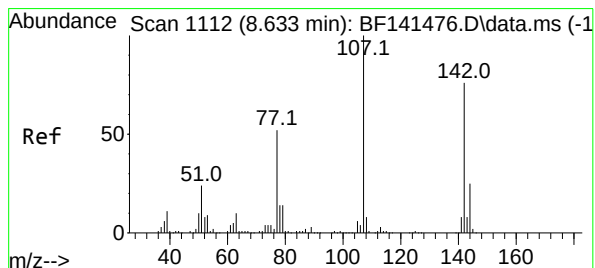
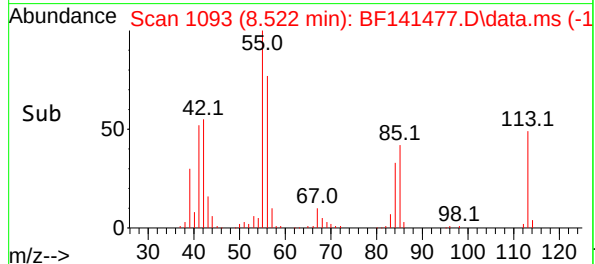
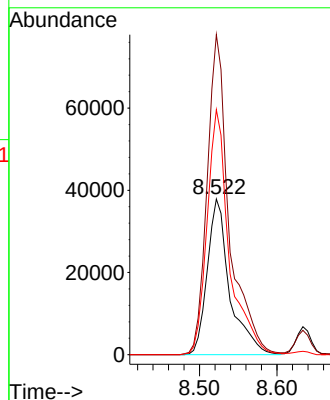
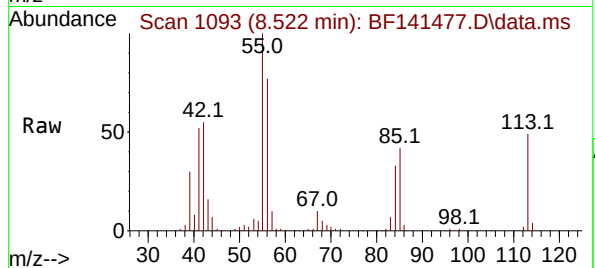
Tgt Ion:	225	Resp:	163240
Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.1	75.1
227	62.8	51.0	76.6





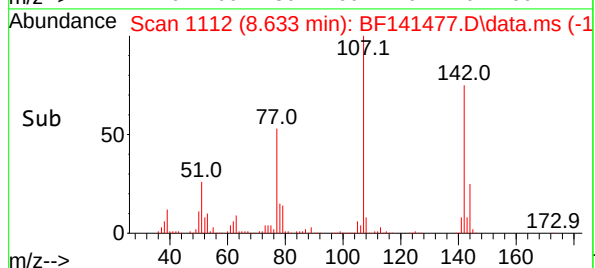
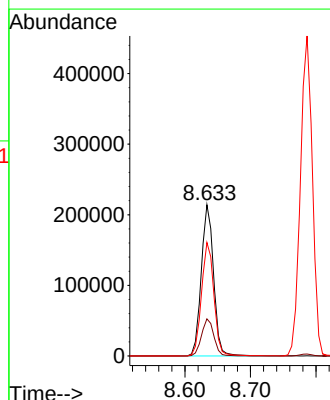
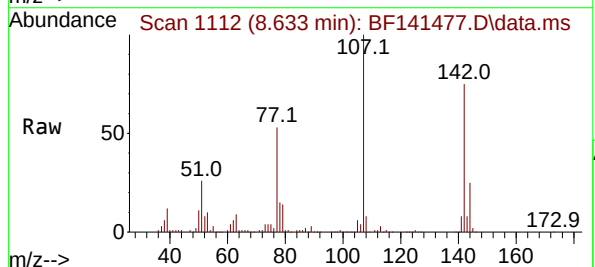
#35
Caprolactam
Concen: 49.180 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.023 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

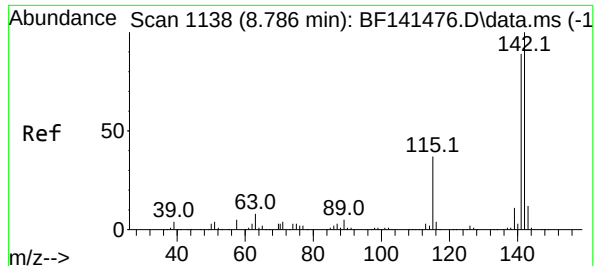
Tgt Ion:113 Resp: 76350
Ion Ratio Lower Upper
113 100
55 205.6 180.8 220.8
56 157.4 133.6 173.6



#36
4-Chloro-3-methylphenol
Concen: 49.736 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

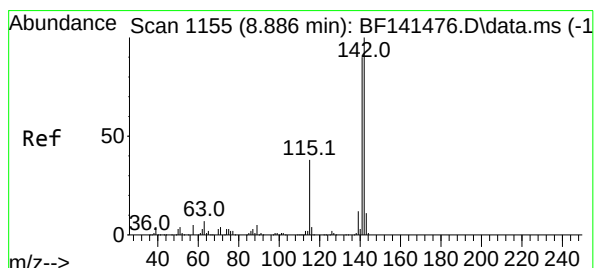
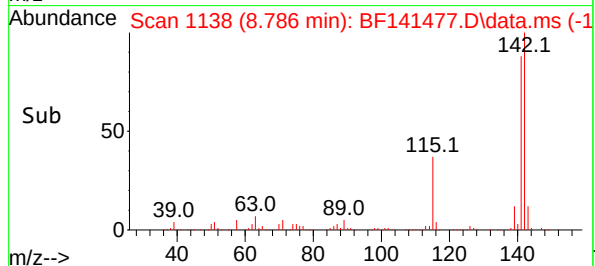
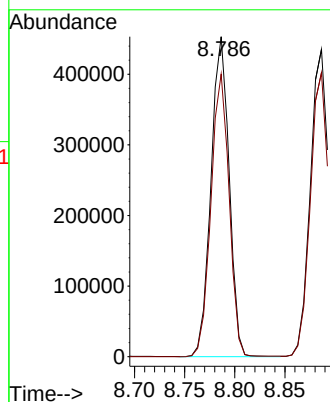
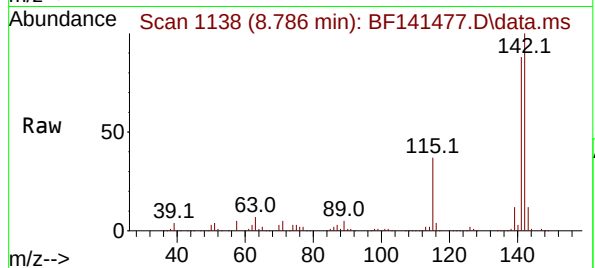
Tgt Ion:107 Resp: 280911
Ion Ratio Lower Upper
107 100
144 24.5 19.7 29.5
142 75.0 60.8 91.2





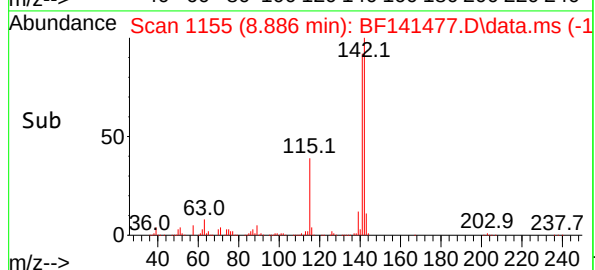
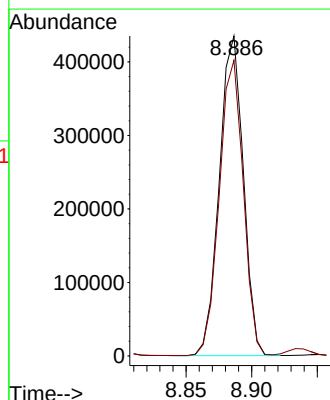
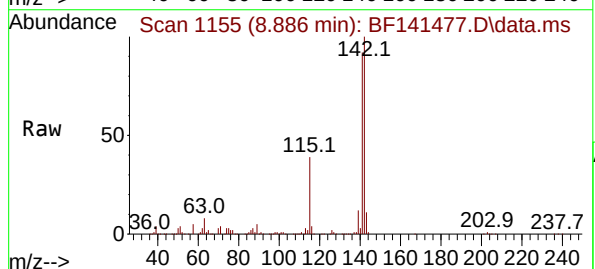
#37
2-Methylnaphthalene
Concen: 48.643 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

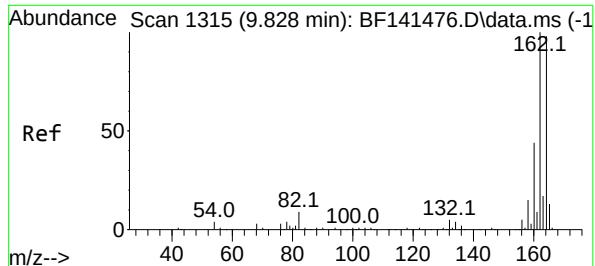
Tgt Ion:142 Resp: 572244
Ion Ratio Lower Upper
142 100
141 88.3 71.2 106.8



#38
1-Methylnaphthalene
Concen: 48.579 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:142 Resp: 553503
Ion Ratio Lower Upper
142 100
141 92.4 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

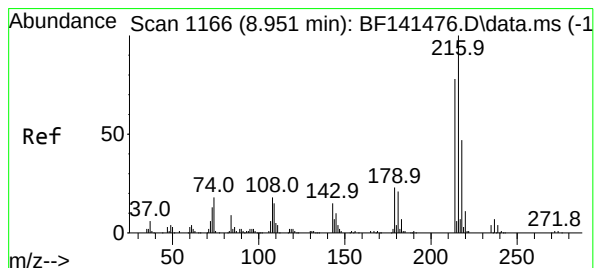
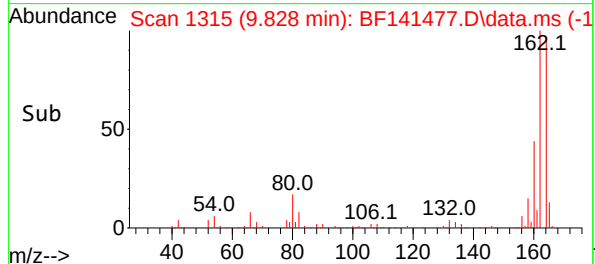
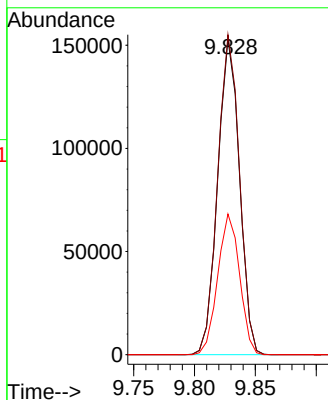
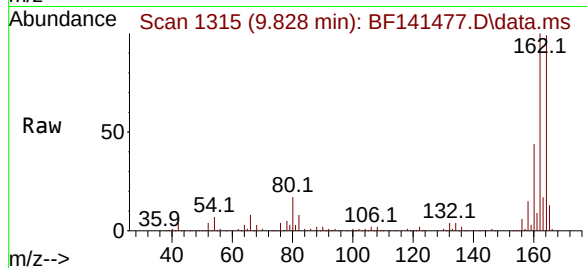
Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:164 Resp: 190523

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	44.6	35.9	53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.369 ng

RT: 8.951 min Scan# 1166

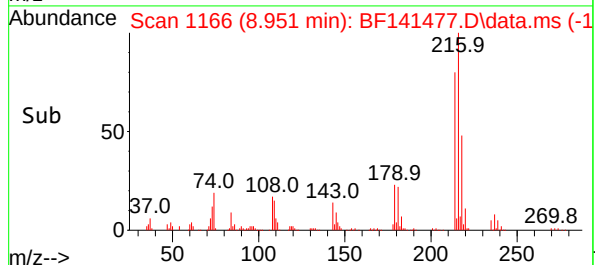
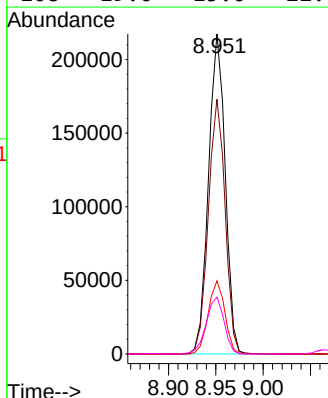
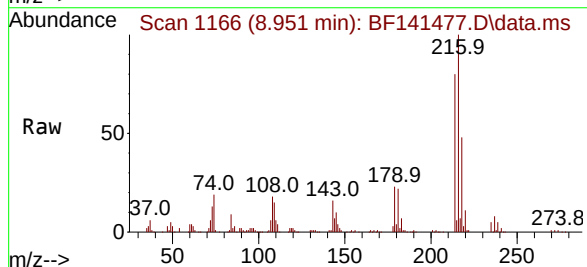
Delta R.T. 0.000 min

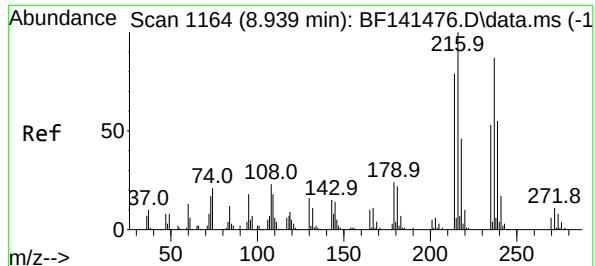
Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

Tgt Ion:216 Resp: 266614

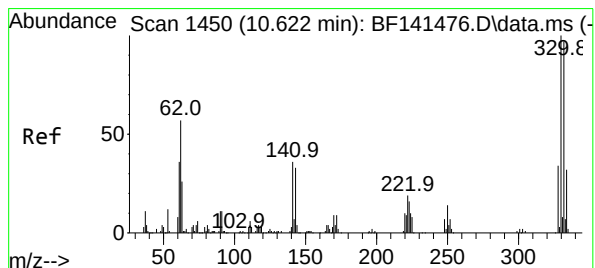
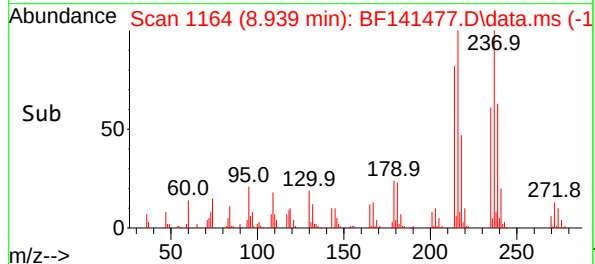
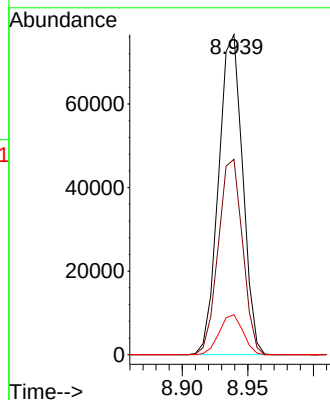
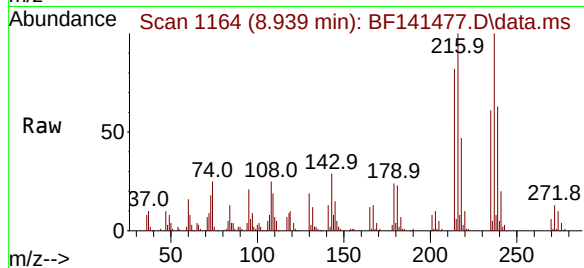
Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.3	93.5
179	22.7	18.0	27.0
108	19.0	15.0	22.6





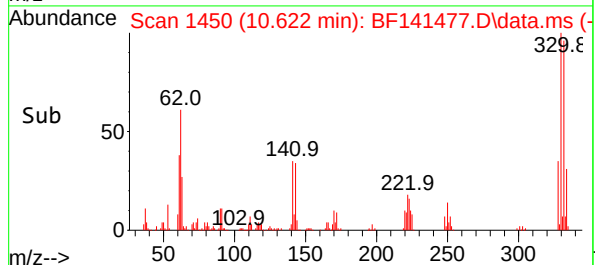
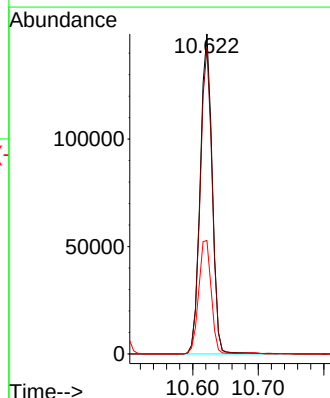
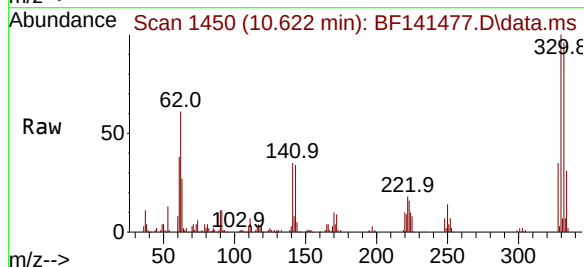
#41
Hexachlorocyclopentadiene
Concen: 53.276 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

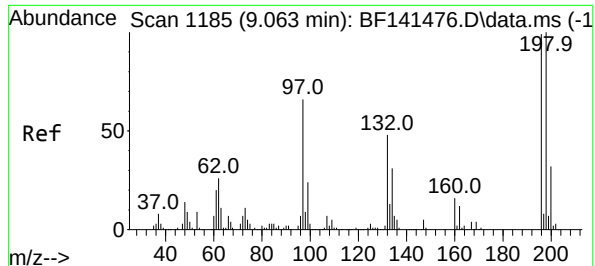
Tgt Ion:237 Resp: 97674
Ion Ratio Lower Upper
237 100
235 61.1 41.4 81.4
272 12.5 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 98.845 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

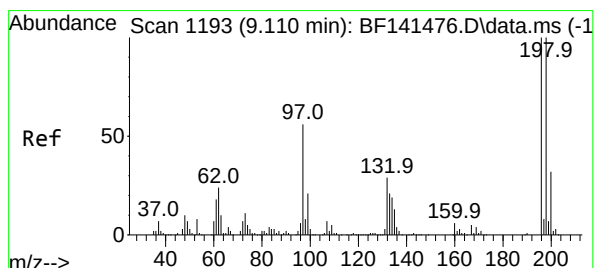
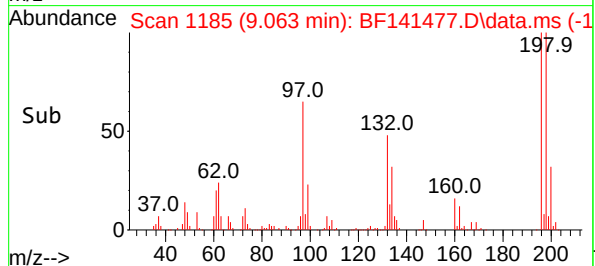
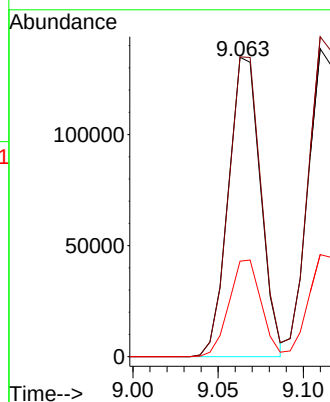
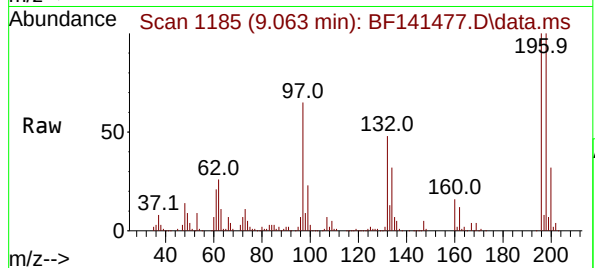
Tgt Ion:330 Resp: 189178
Ion Ratio Lower Upper
330 100
332 95.8 78.5 117.7
141 37.2 31.0 46.4





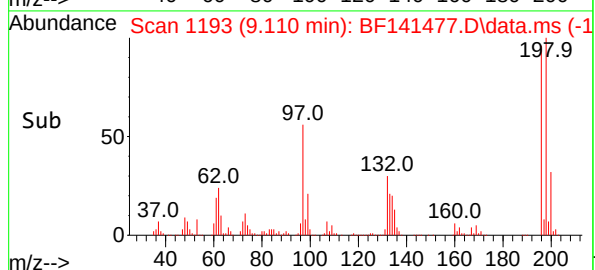
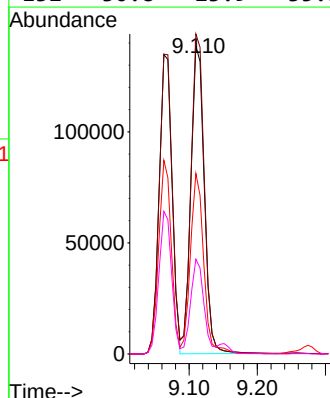
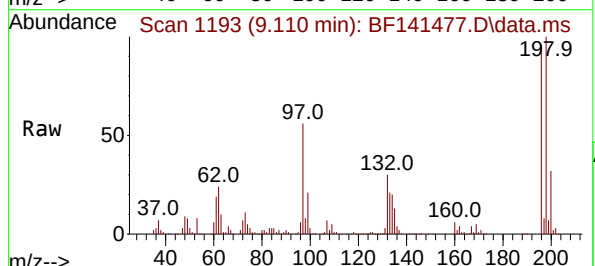
#43
2,4,6-Trichlorophenol
Concen: 49.825 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

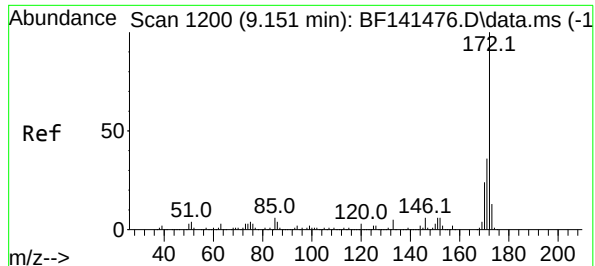
Tgt Ion:196 Resp: 177503
Ion Ratio Lower Upper
196 100
198 100.1 80.6 121.0
200 31.9 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 48.667 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

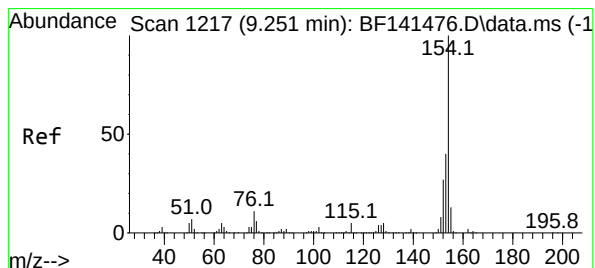
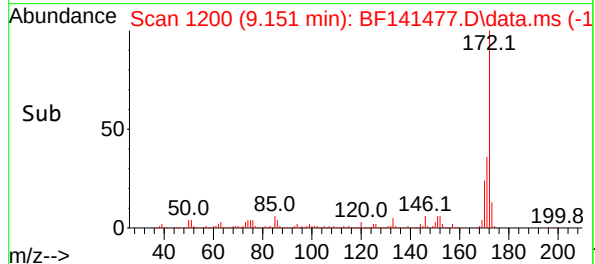
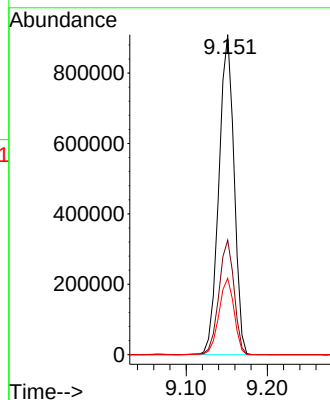
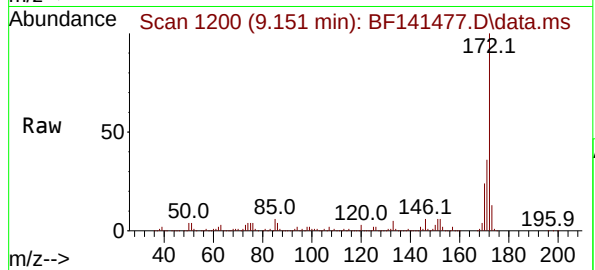
Tgt Ion:196 Resp: 187902
Ion Ratio Lower Upper
196 100
198 103.9 79.8 119.8
97 58.6 44.8 67.2
132 30.8 23.9 35.9





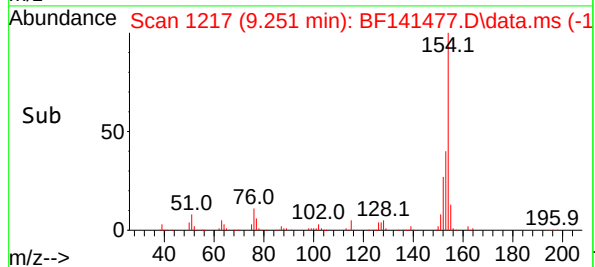
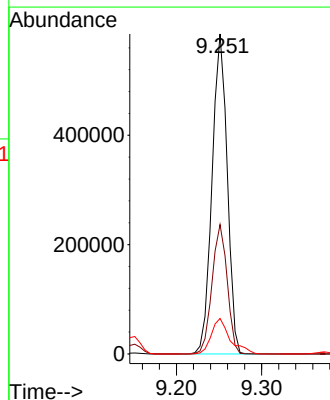
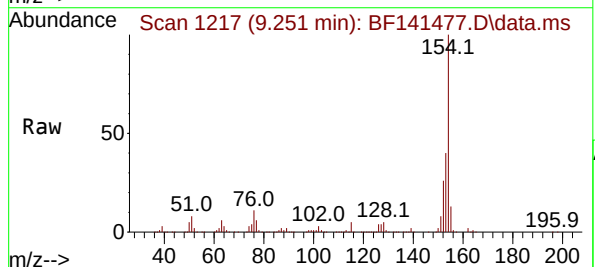
#45
2-Fluorobiphenyl
Concen: 95.605 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

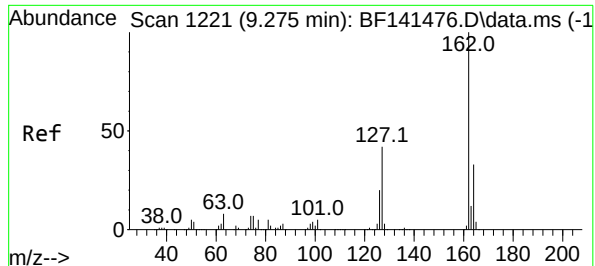
Tgt Ion:172 Resp: 1182292
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.8 18.9 28.3



#46
1,1'-Biphenyl
Concen: 48.905 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:154 Resp: 722373
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 11.1 0.0 30.8





#47

2-Chloronaphthalene

Concen: 48.576 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

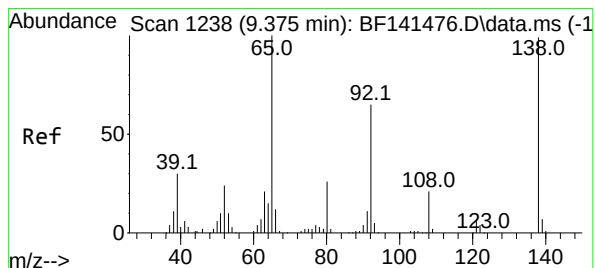
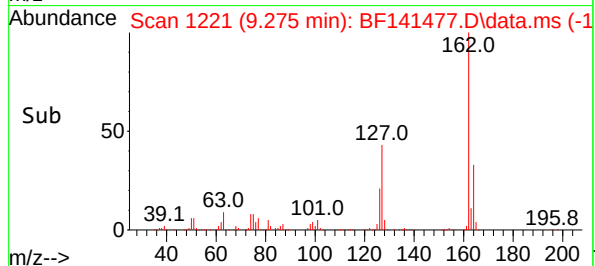
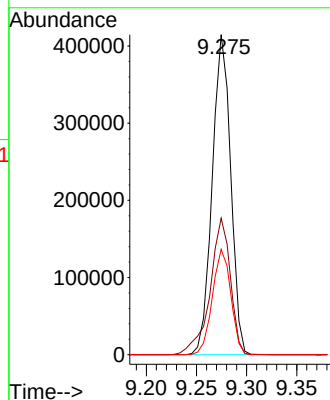
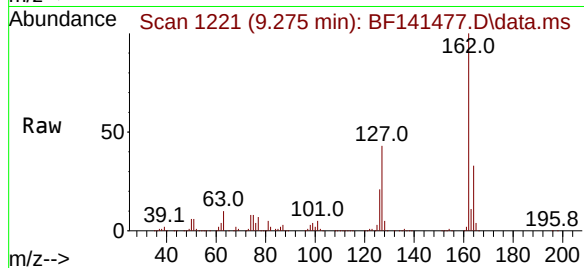
Tgt Ion:162 Resp: 530577

Ion Ratio Lower Upper

162 100

127 42.6 34.1 51.1

164 32.9 26.3 39.5



#48

2-Nitroaniline

Concen: 49.612 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

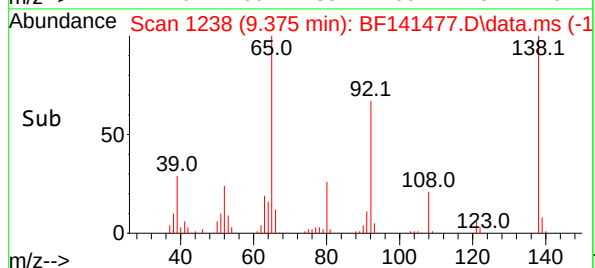
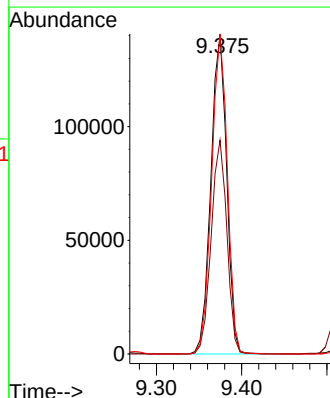
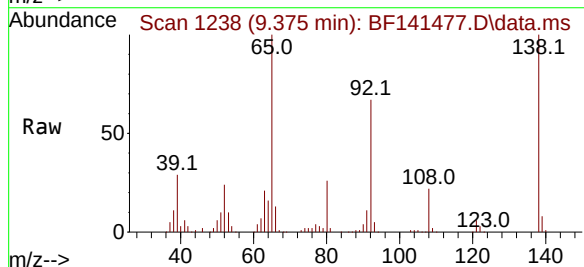
Tgt Ion: 65 Resp: 181860

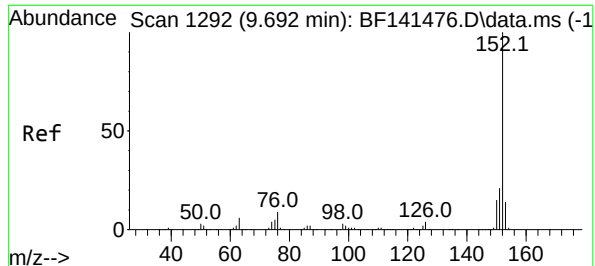
Ion Ratio Lower Upper

65 100

92 67.0 52.2 78.2

138 100.2 79.5 119.3





#49

Acenaphthylene

Concen: 48.672 ng

RT: 9.692 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

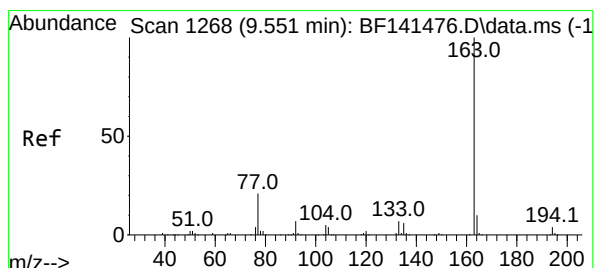
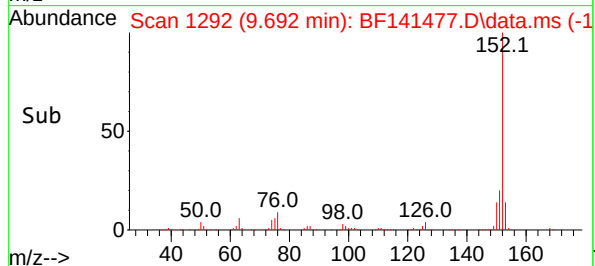
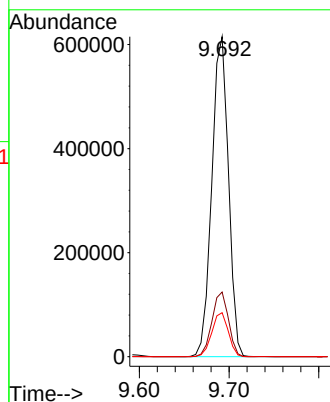
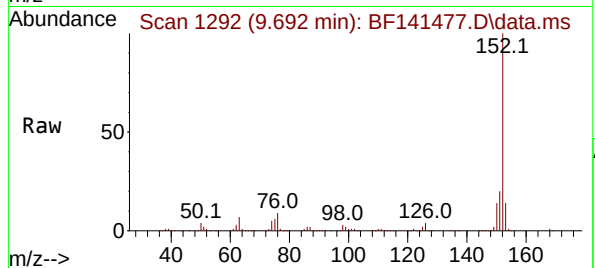
Tgt Ion:152 Resp: 790730

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 13.7 10.9 16.3



#50

Dimethylphthalate

Concen: 48.760 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

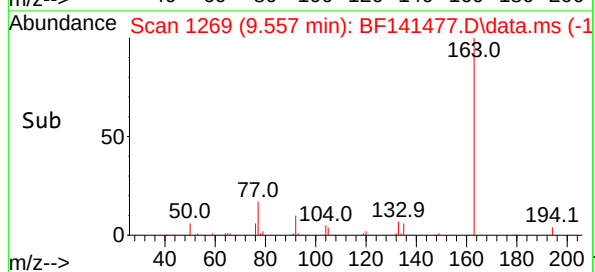
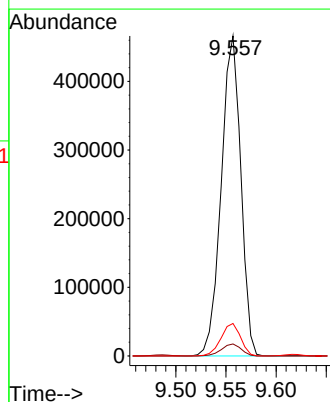
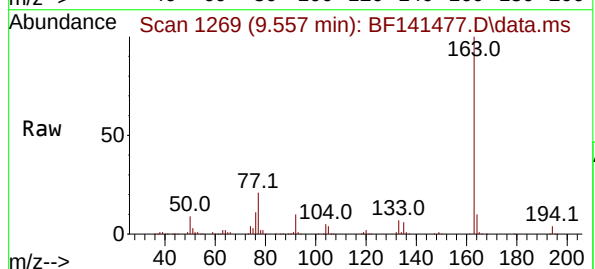
Tgt Ion:163 Resp: 630673

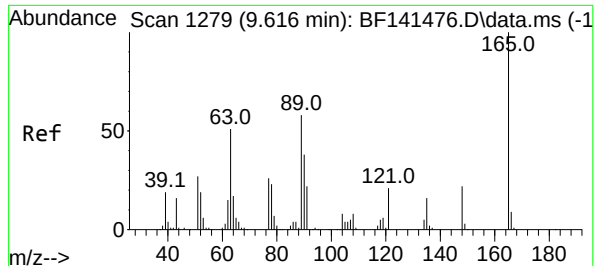
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

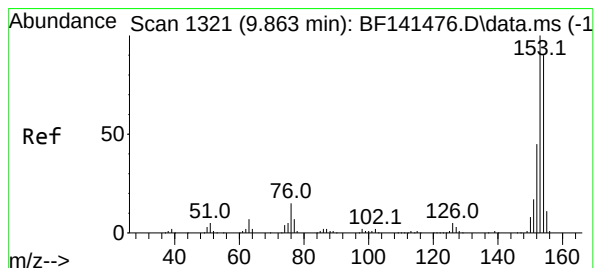
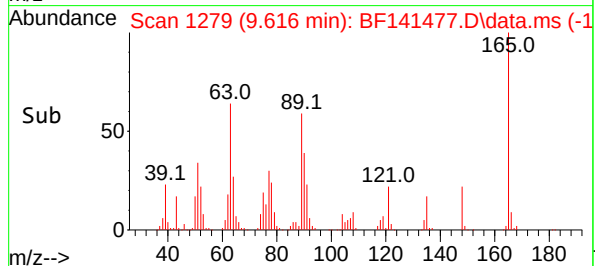
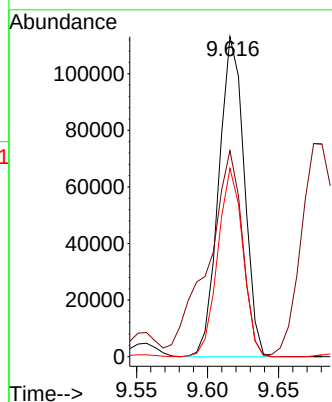
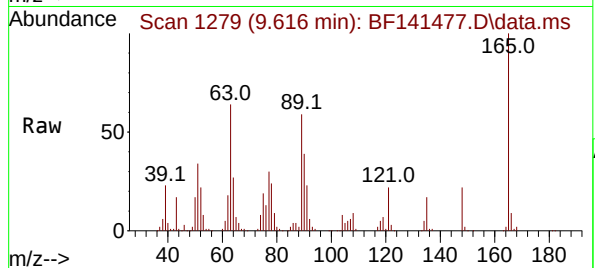
164 10.1 7.9 11.9





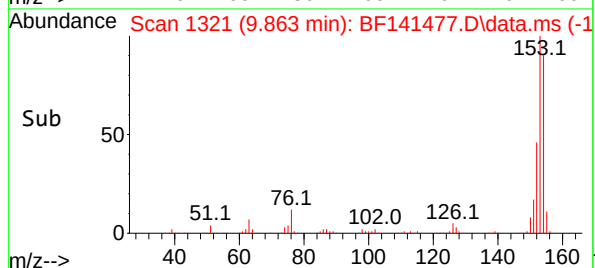
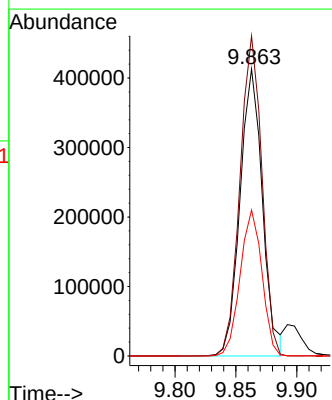
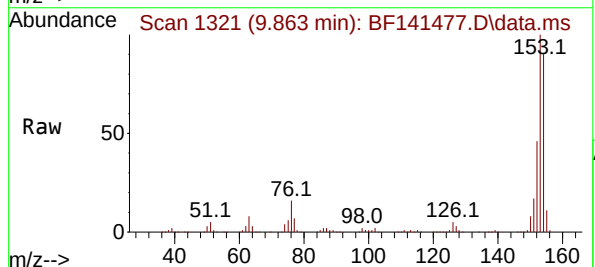
#51
2,6-Dinitrotoluene
Concen: 49.760 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

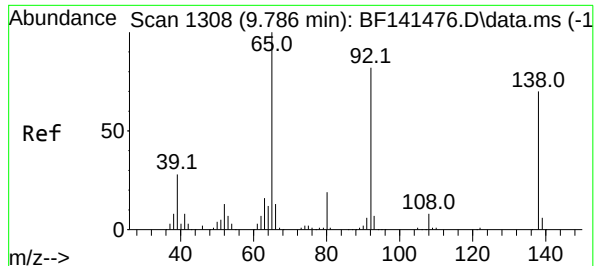
Tgt Ion:165 Resp: 140697
Ion Ratio Lower Upper
165 100
63 64.4 49.4 74.0
89 58.9 46.5 69.7



#52
Acenaphthene
Concen: 48.327 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

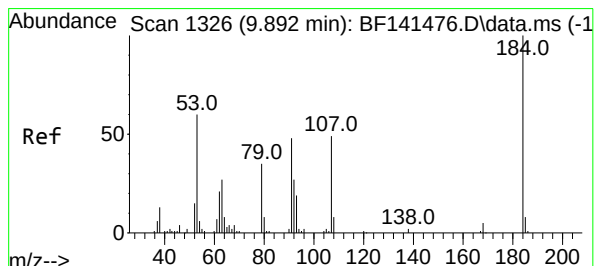
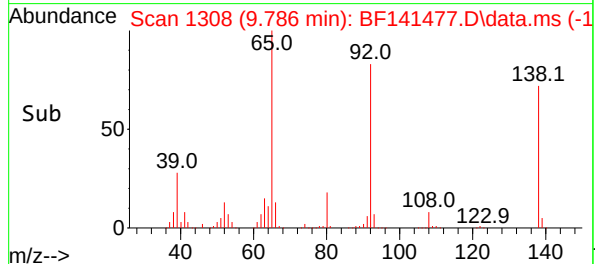
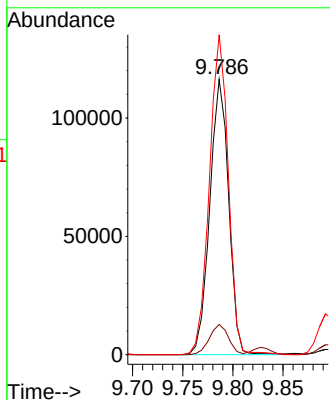
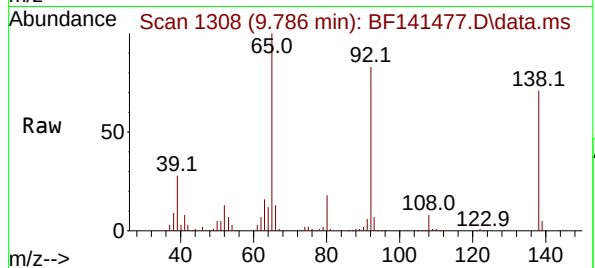
Tgt Ion:154 Resp: 527828
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 50.8 39.8 59.8





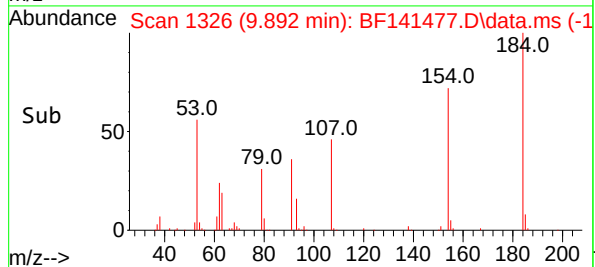
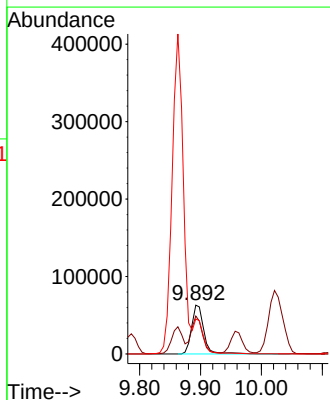
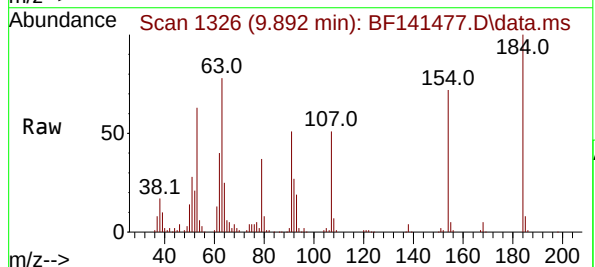
#53
3-Nitroaniline
Concen: 50.087 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

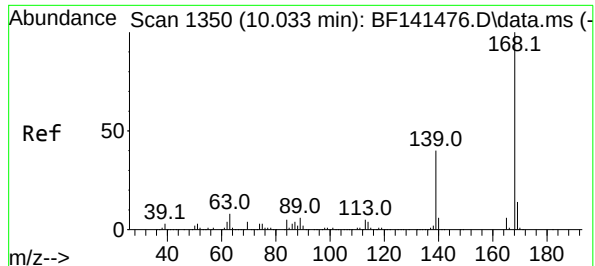
Tgt Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.4
92	116.2	93.7	140.5



#54
2,4-Dinitrophenol
Concen: 52.339 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

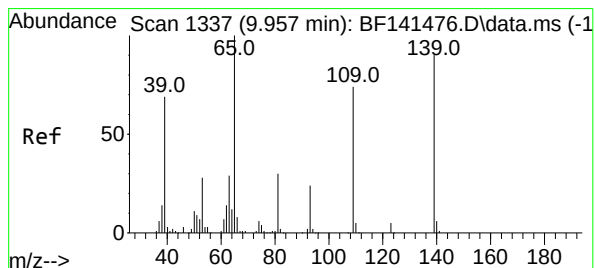
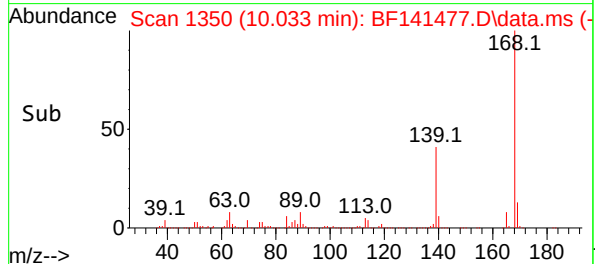
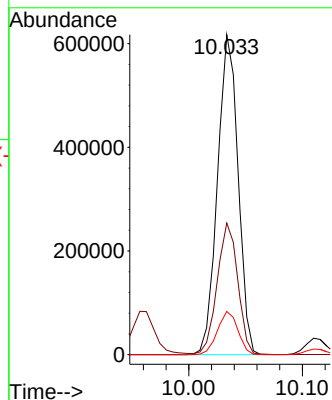
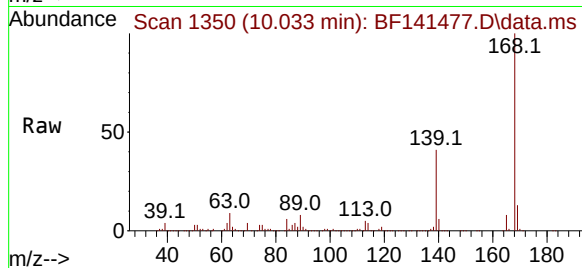
Tgt Ion	Ratio	Lower	Upper
184	100		
63	77.9	61.0	91.6
154	71.8	59.9	89.9





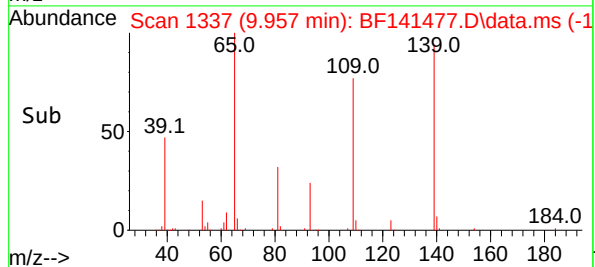
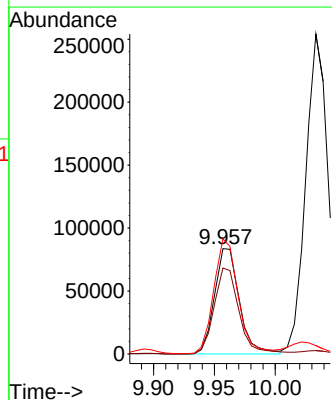
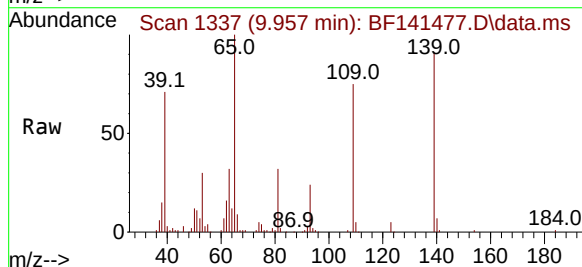
#55
Dibenzenofuran
Concen: 48.523 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

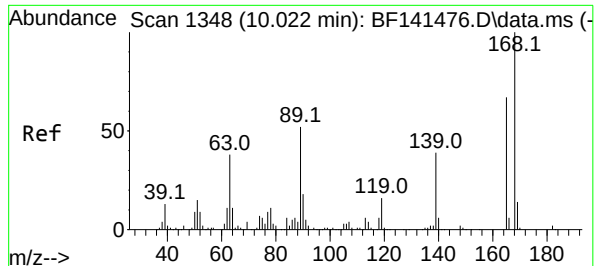
Tgt Ion:168 Resp: 777905
Ion Ratio Lower Upper
168 100
139 41.2 32.7 49.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 52.603 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

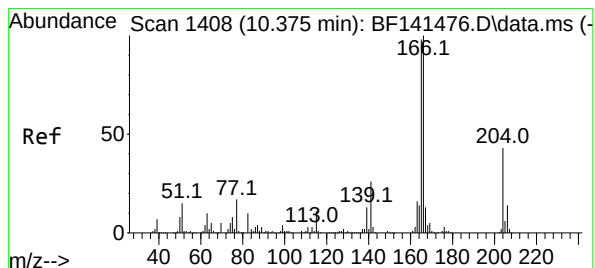
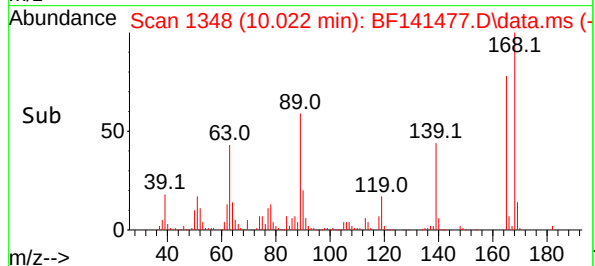
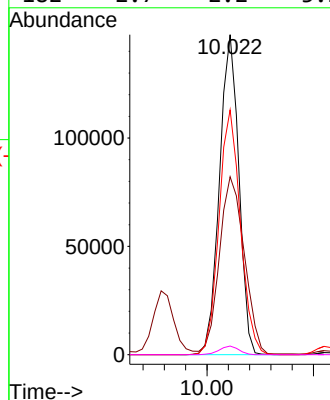
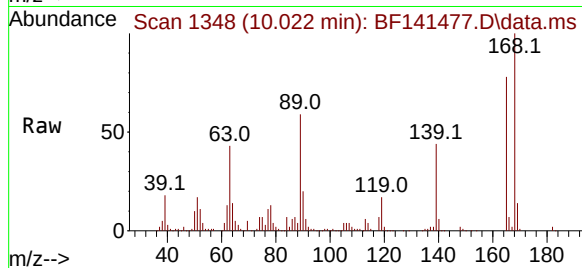
Tgt Ion:139 Resp: 118835
Ion Ratio Lower Upper
139 100
109 81.7 62.0 102.0
65 109.4 91.2 131.2





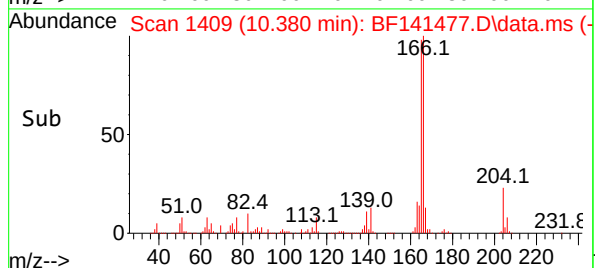
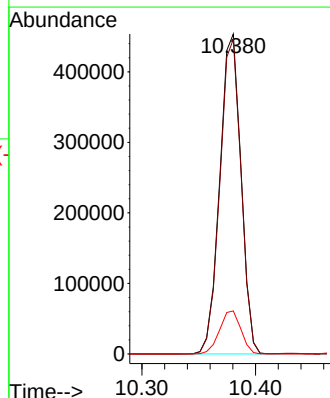
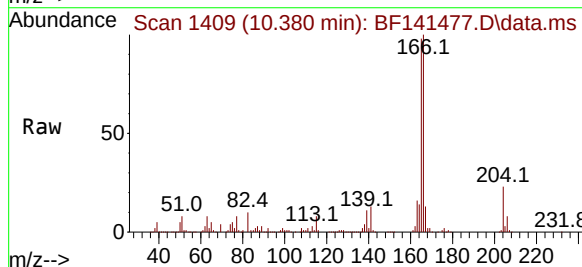
#57
2,4-Dinitrotoluene
Concen: 49.346 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.005 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

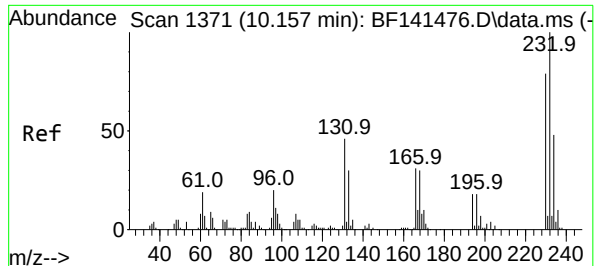
Tgt Ion:165 Resp: 185741
Ion Ratio Lower Upper
165 100
63 55.6 46.4 69.6
89 76.5 61.8 92.6
182 2.7 2.2 3.2



#58
Fluorene
Concen: 47.597 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

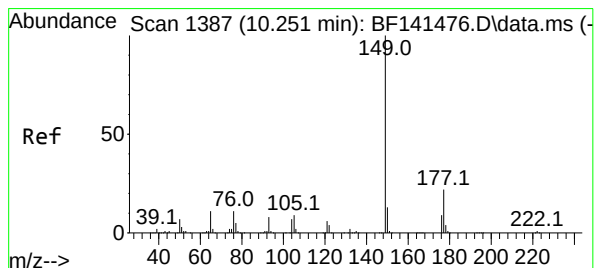
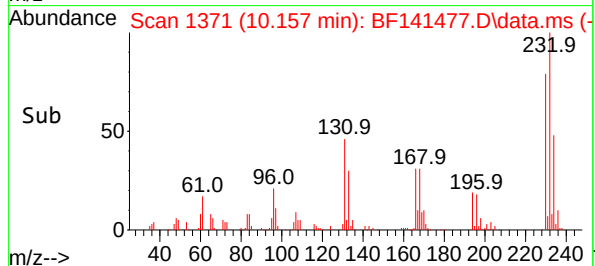
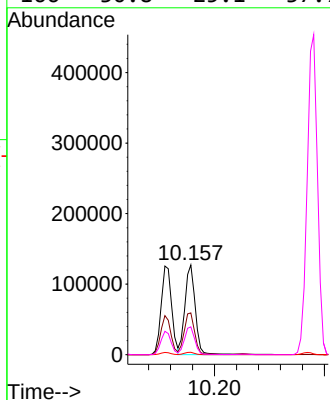
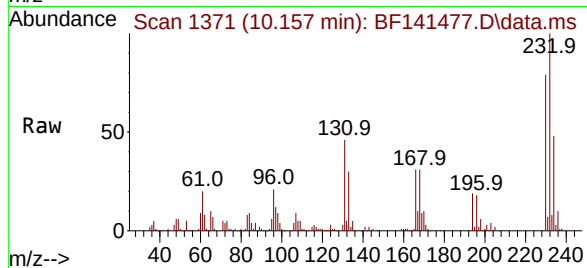
Tgt Ion:166 Resp: 590000
Ion Ratio Lower Upper
166 100
165 98.4 78.2 117.2
167 13.4 10.7 16.1





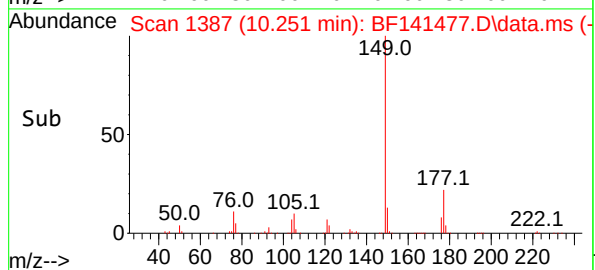
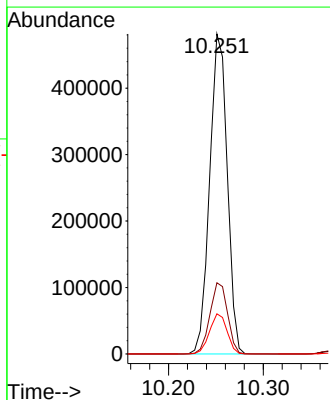
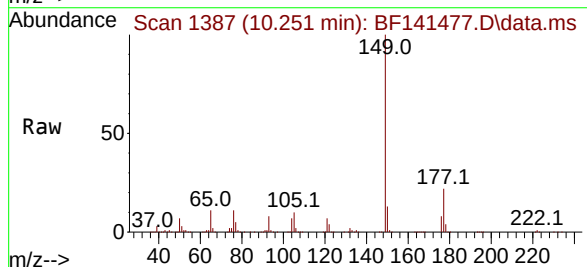
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.807 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

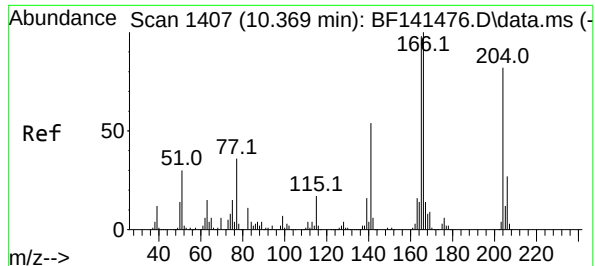
Tgt Ion:232 Resp: 165559
Ion Ratio Lower Upper
232 100
131 46.7 39.2 58.8
130 2.6 2.1 3.1
166 30.8 25.1 37.7



#60
Diethylphthalate
Concen: 48.647 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

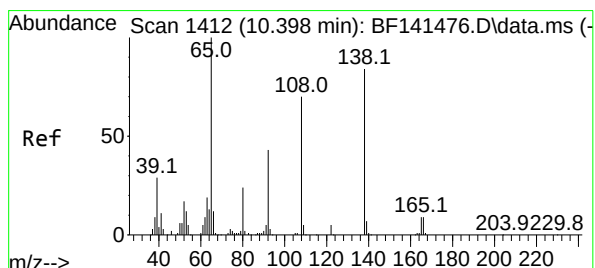
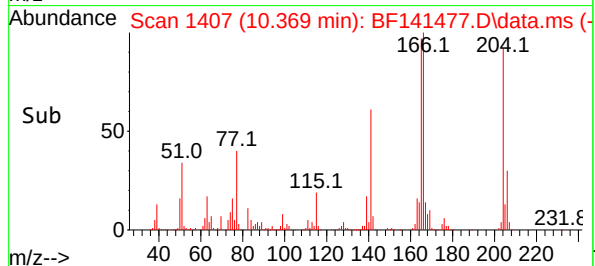
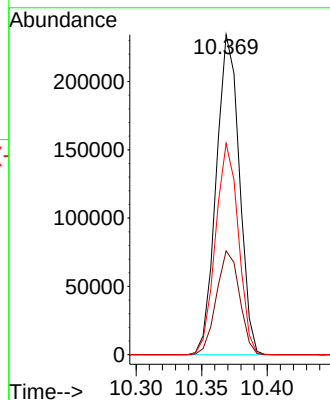
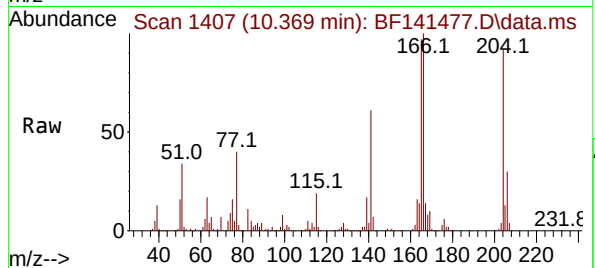
Tgt Ion:149 Resp: 619064
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.5 10.1 15.1





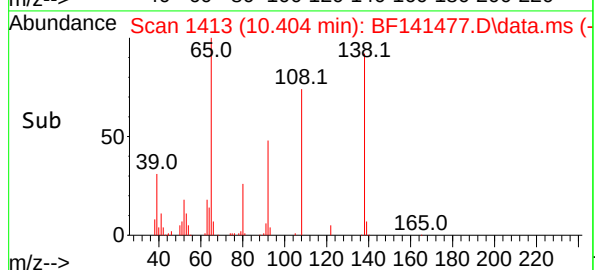
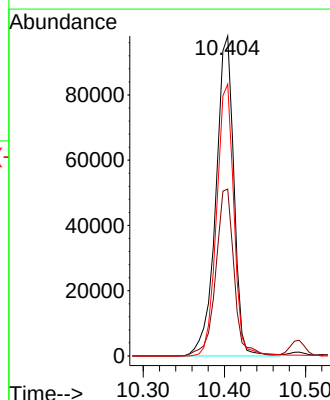
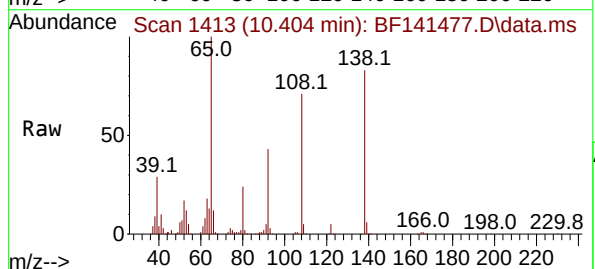
#61
4-Chlorophenyl-phenylether
Concen: 48.048 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

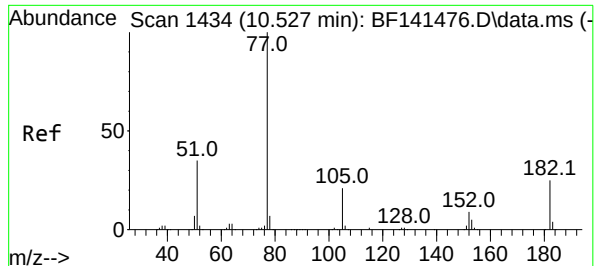
Tgt Ion:204 Resp: 286530
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 66.0 51.9 77.9



#62
4-Nitroaniline
Concen: 49.113 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

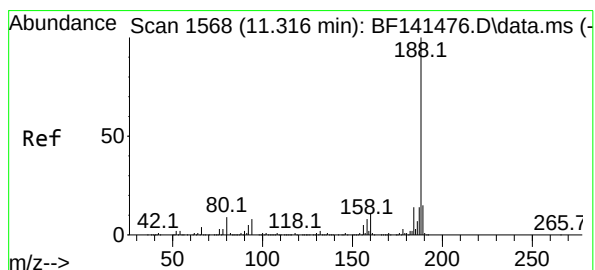
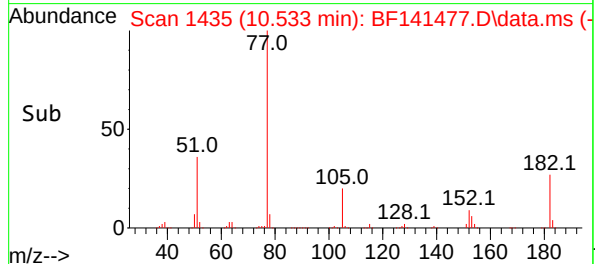
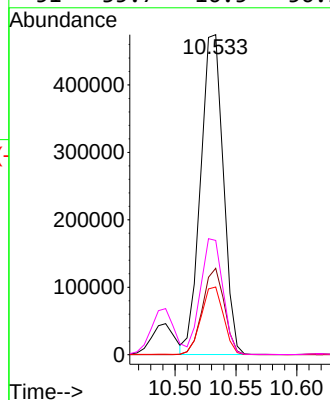
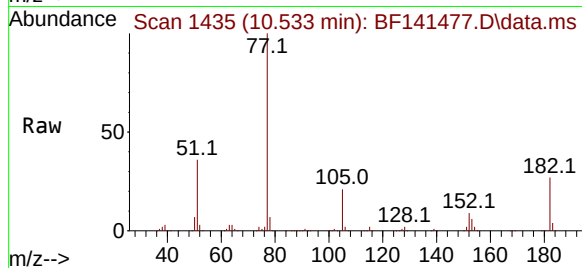
Tgt Ion:138 Resp: 151765
Ion Ratio Lower Upper
138 100
92 52.2 31.3 71.3
108 84.9 63.7 103.7





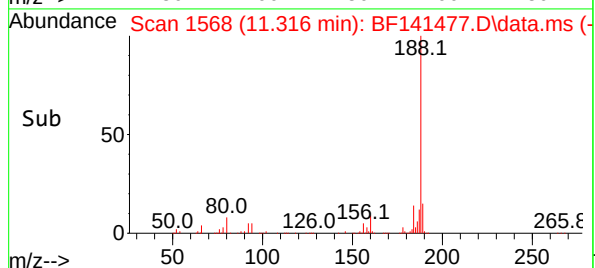
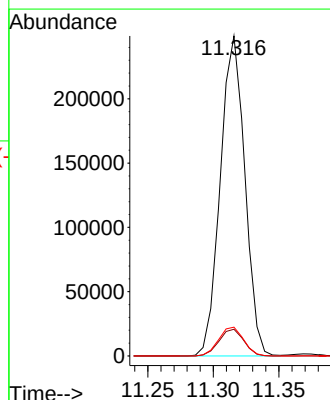
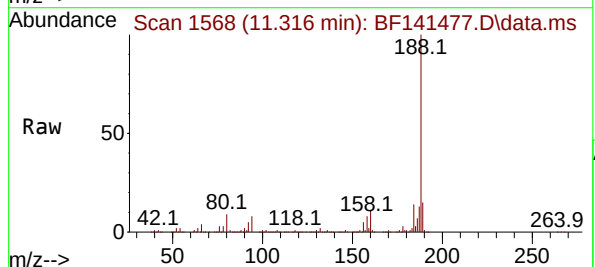
#63
Azobenzene
Concen: 48.742 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

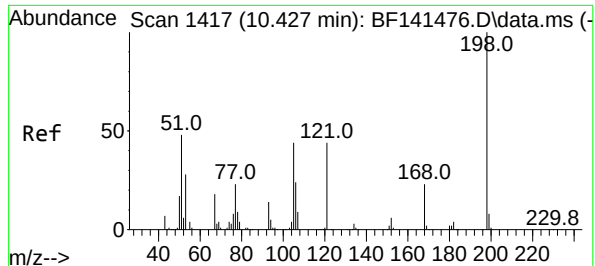
Tgt Ion: 77 Resp: 616638
Ion Ratio Lower Upper
77 100
182 27.0 4.7 44.7
105 21.1 0.4 40.4
51 35.7 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

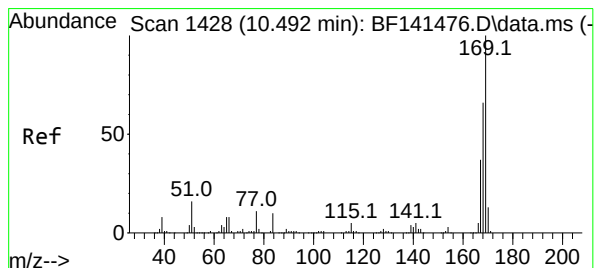
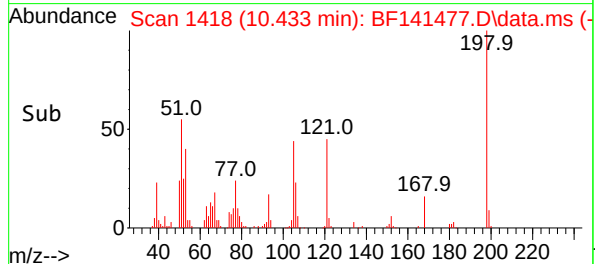
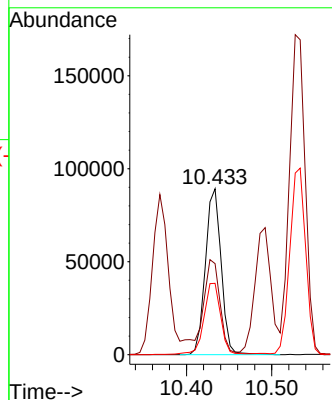
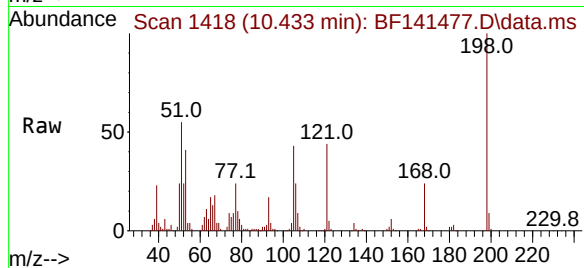
Tgt Ion: 188 Resp: 323702
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.0 7.3 10.9





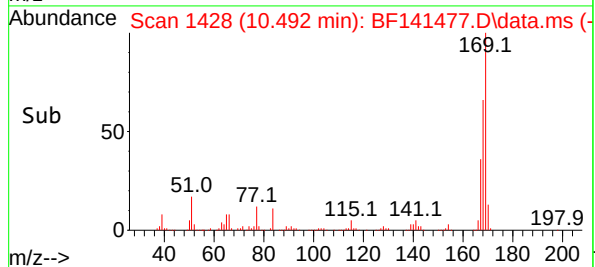
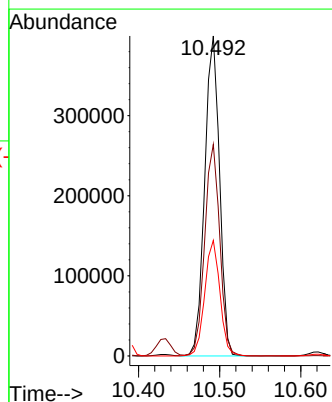
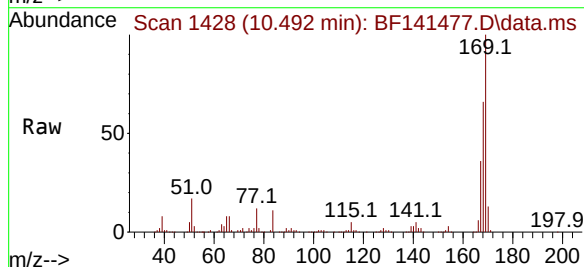
#65
4,6-Dinitro-2-methylphenol
Concen: 51.021 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

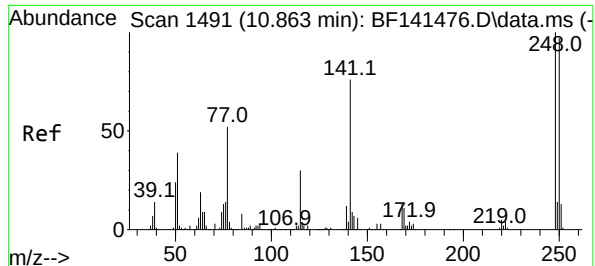
Tgt Ion:198 Resp: 114725
Ion Ratio Lower Upper
198 100
51 54.9 37.4 77.4
105 43.0 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 48.810 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

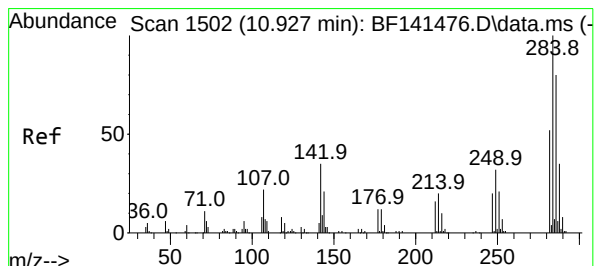
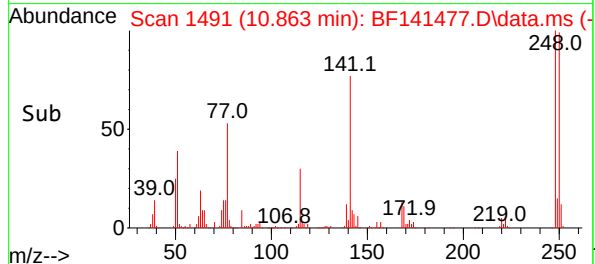
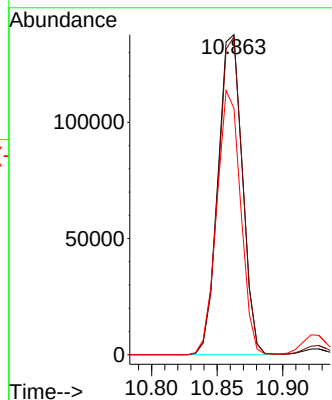
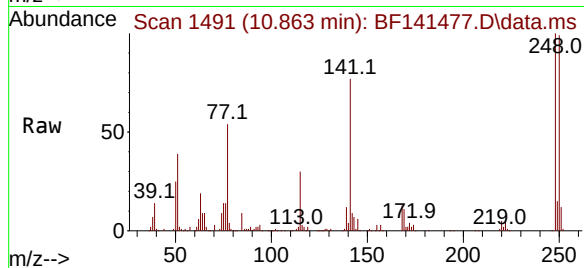
Tgt Ion:169 Resp: 505770
Ion Ratio Lower Upper
169 100
168 66.1 53.3 79.9
167 36.1 29.4 44.2





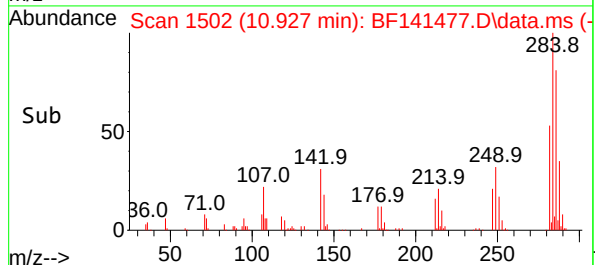
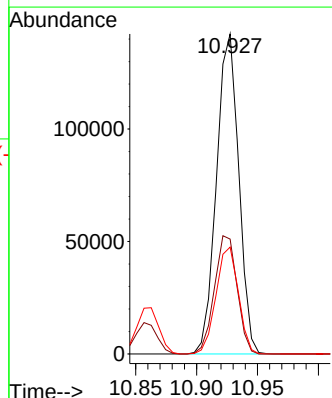
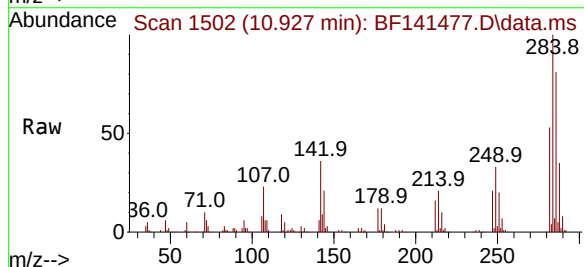
#67
4-Bromophenyl-phenylether
Concen: 49.135 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

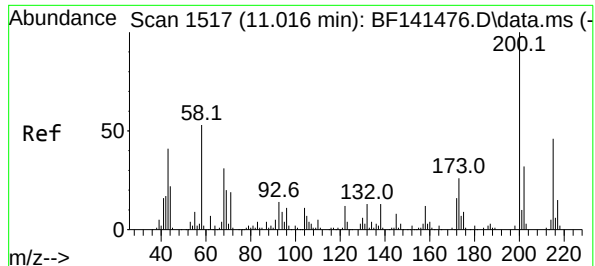
Tgt Ion:	248	Resp:	177761
Ion Ratio	Lower	Upper	
248	100		
250	99.3	77.8	116.6
141	77.0	60.6	90.8



#68
Hexachlorobenzene
Concen: 48.567 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

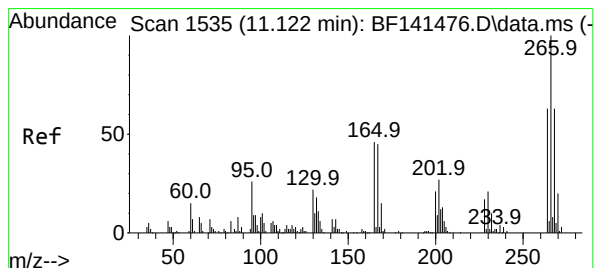
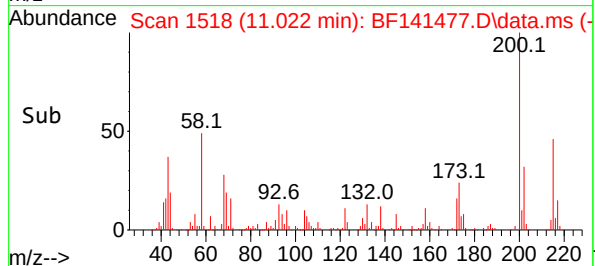
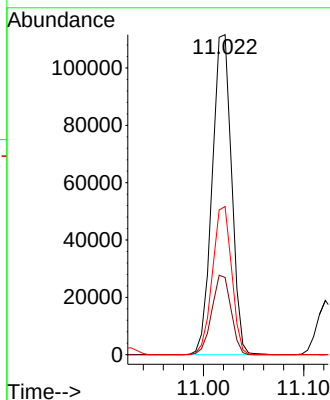
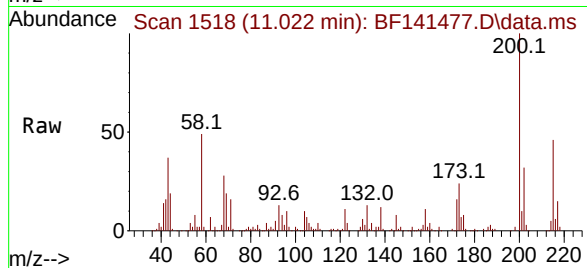
Tgt Ion:	284	Resp:	180930
Ion Ratio	Lower	Upper	
284	100		
142	35.9	28.0	42.0
249	33.4	25.8	38.8





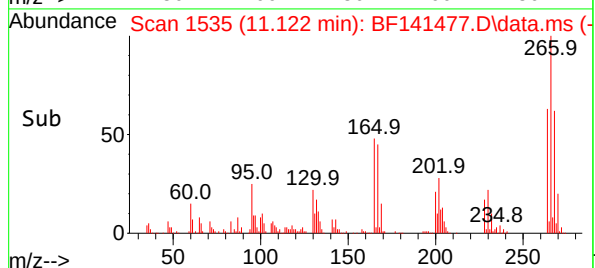
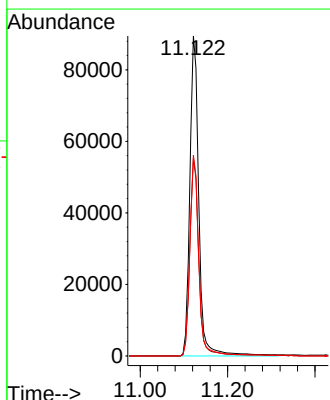
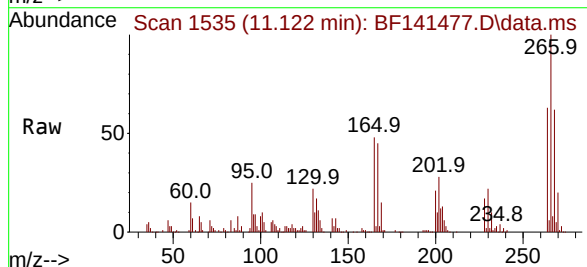
#69
Atrazine
Concen: 48.175 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.001 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

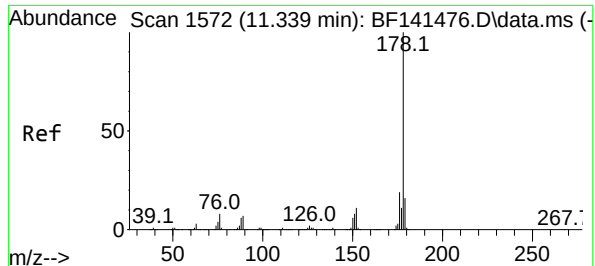
Tgt Ion:200 Resp: 149758
Ion Ratio Lower Upper
200 100
173 24.2 5.9 45.9
215 46.3 25.9 65.9



#70
Pentachlorophenol
Concen: 53.769 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

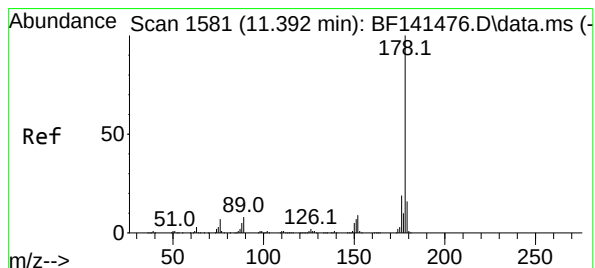
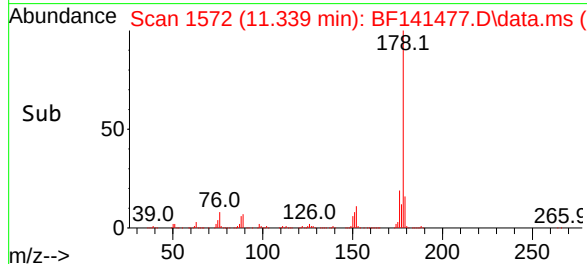
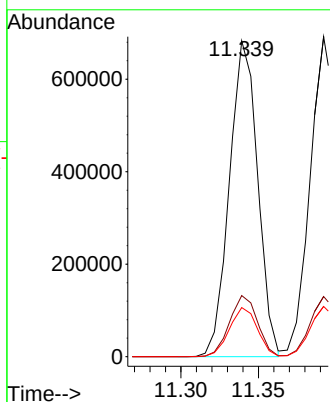
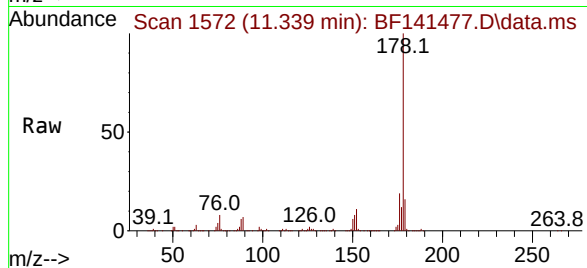
Tgt Ion:266 Resp: 128081
Ion Ratio Lower Upper
266 100
268 61.8 50.1 75.1
264 62.8 50.1 75.1





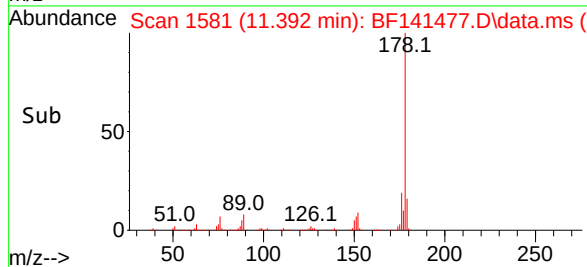
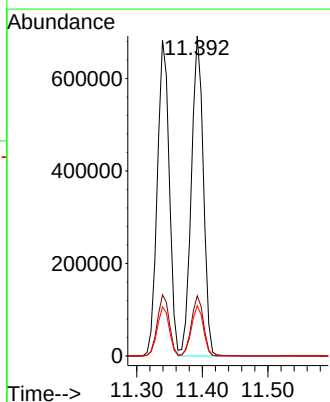
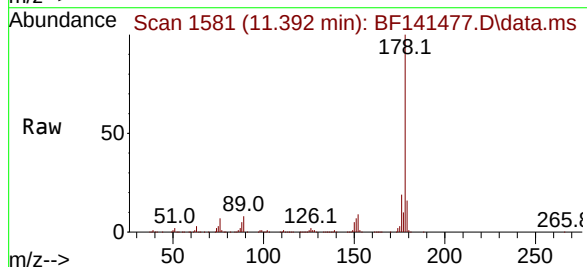
#71
Phenanthrene
Concen: 48.631 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

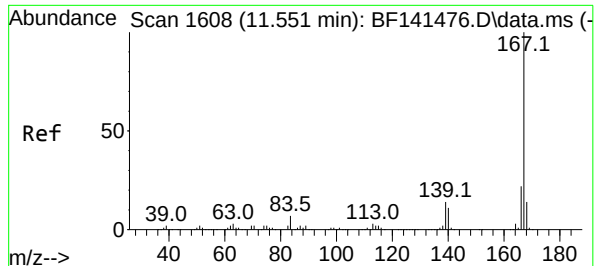
Tgt Ion:178 Resp: 866517
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.6 12.4 18.6



#72
Anthracene
Concen: 48.984 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

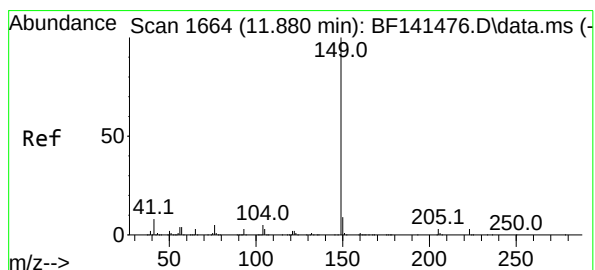
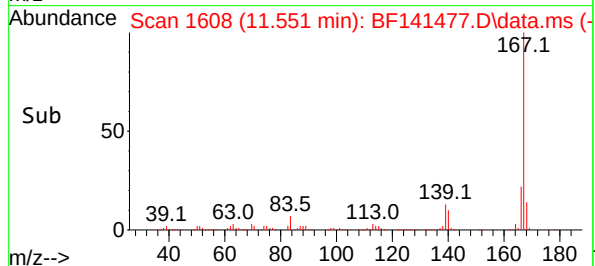
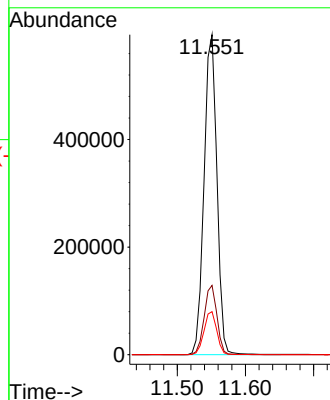
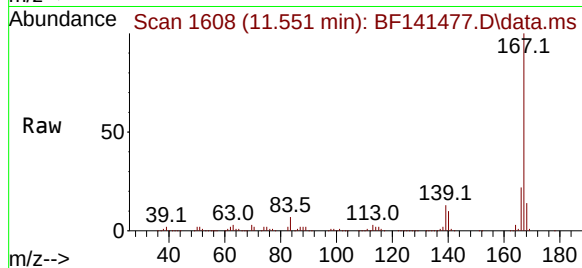
Tgt Ion:178 Resp: 877393
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.7 12.4 18.6





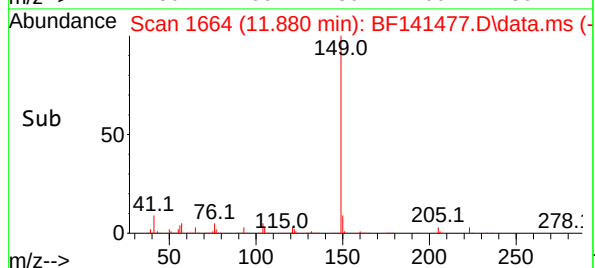
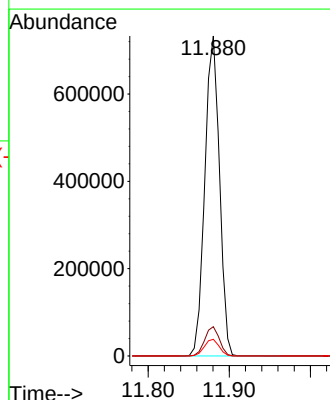
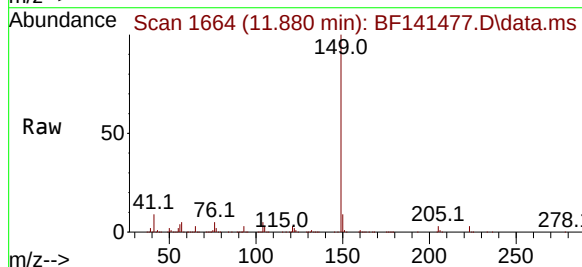
#73
Carbazole
Concen: 48.504 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

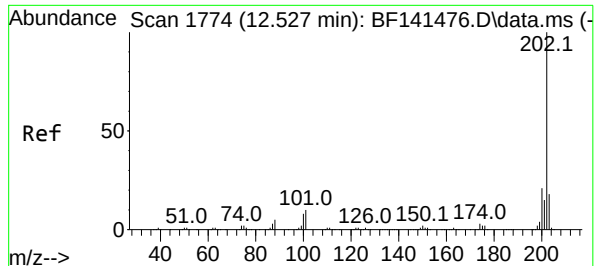
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.5	10.9	16.3



#74
Di-n-butylphthalate
Concen: 49.210 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

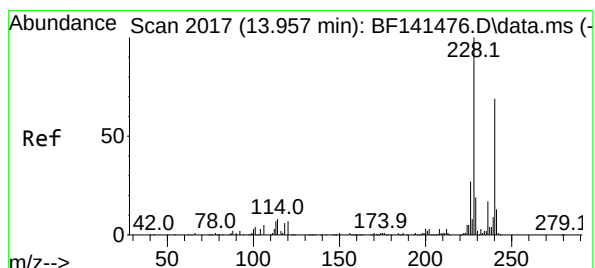
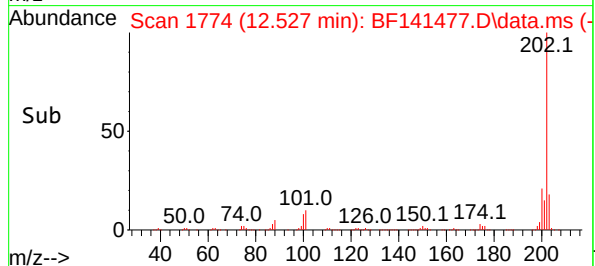
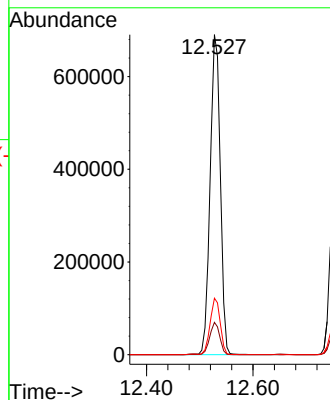
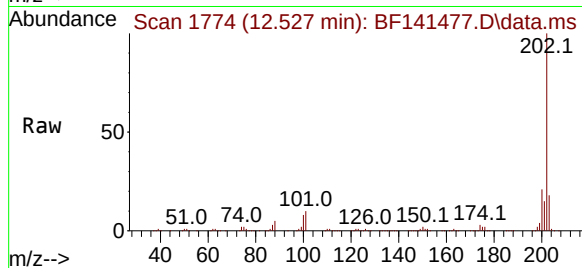
Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.2	4.2	6.2





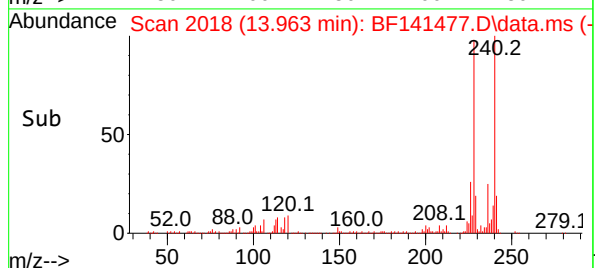
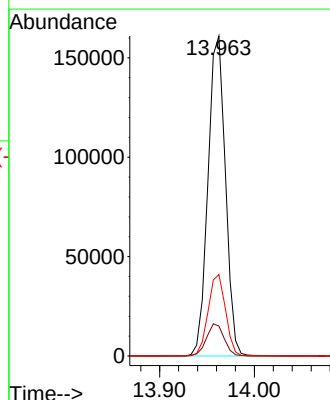
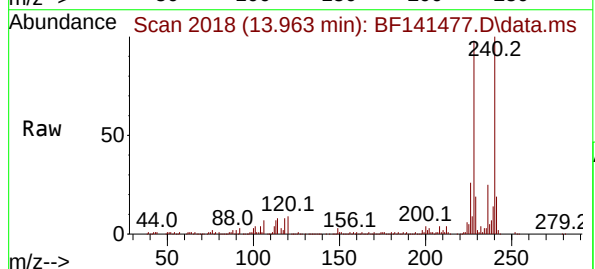
#75
Fluoranthene
Concen: 48.367 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

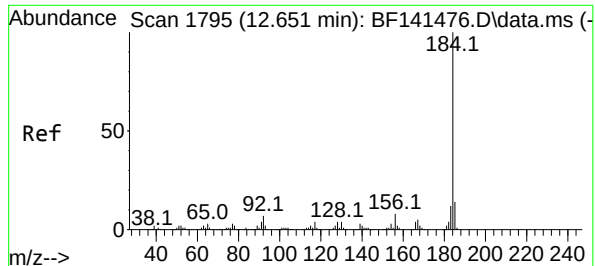
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.6	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

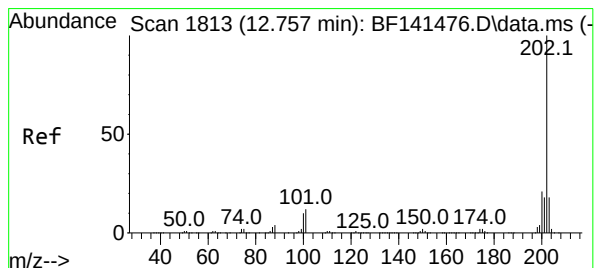
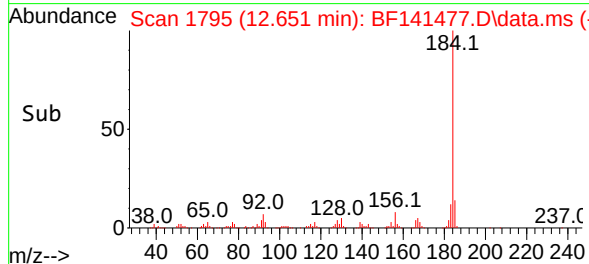
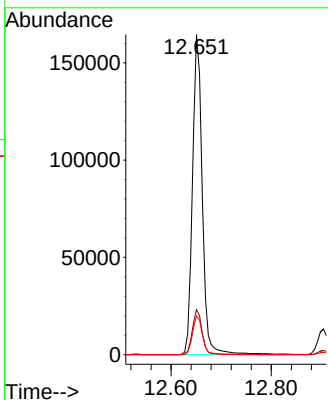
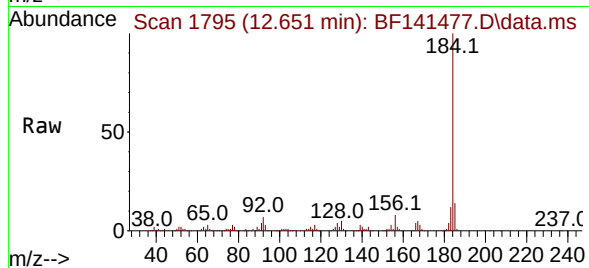
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.0	12.0
236	25.4	19.8	29.8





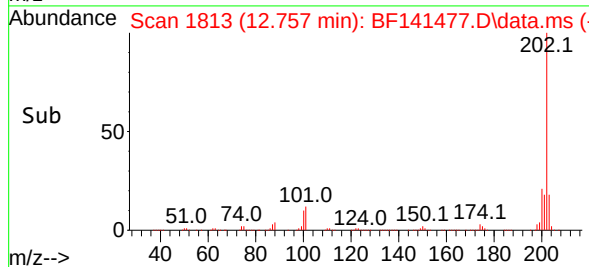
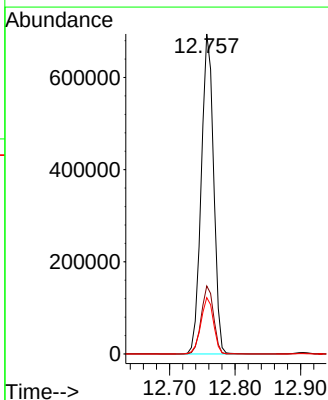
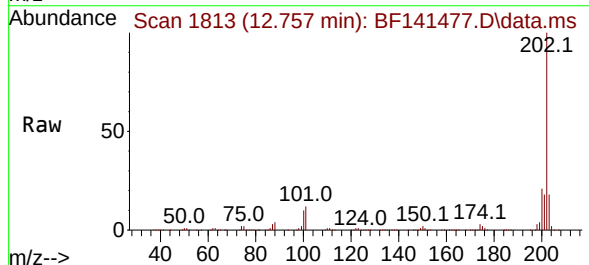
#77
Benzidine
Concen: 49.026 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

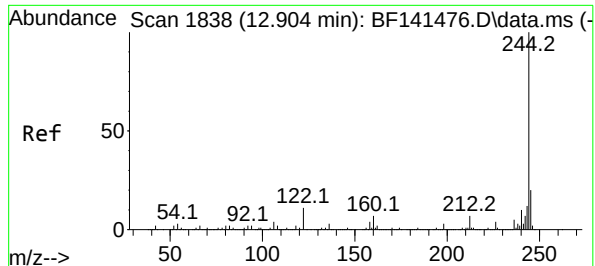
Tgt Ion:184 Resp: 222606
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.1 9.3 13.9



#78
Pyrene
Concen: 52.106 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

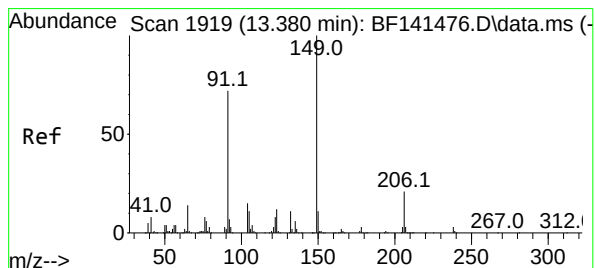
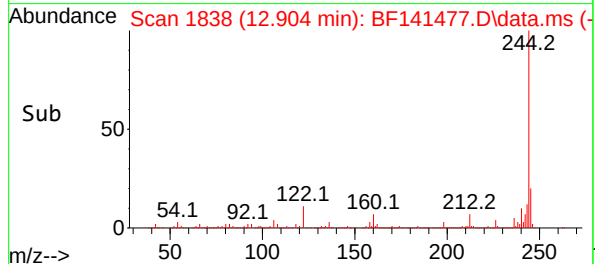
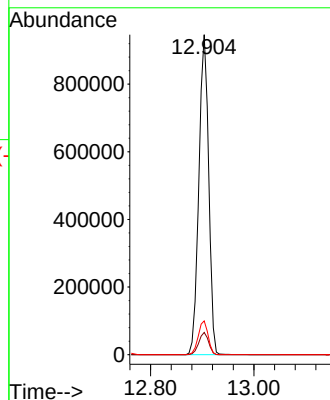
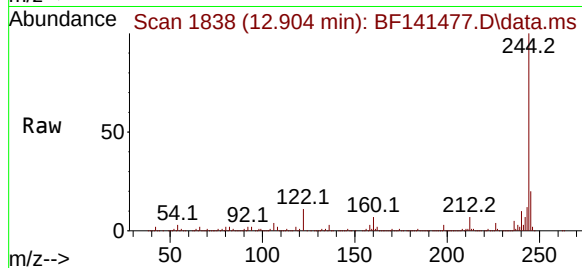
Tgt Ion:202 Resp: 913198
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.6 14.3 21.5





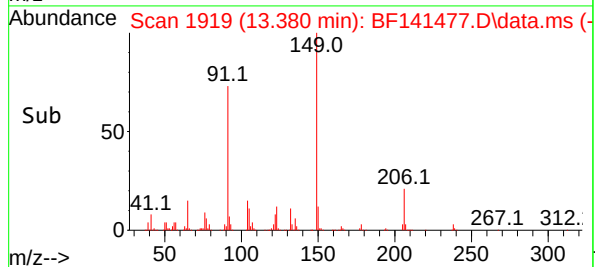
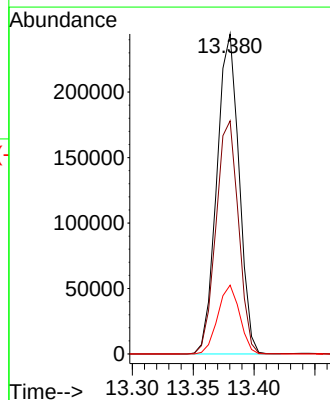
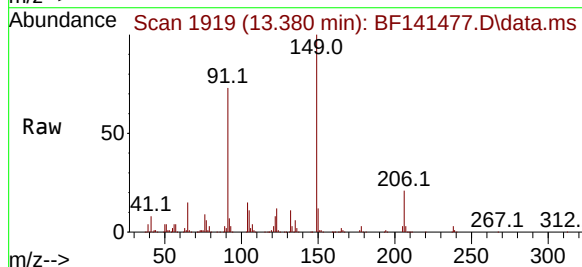
#79
Terphenyl-d14
Concen: 102.010 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

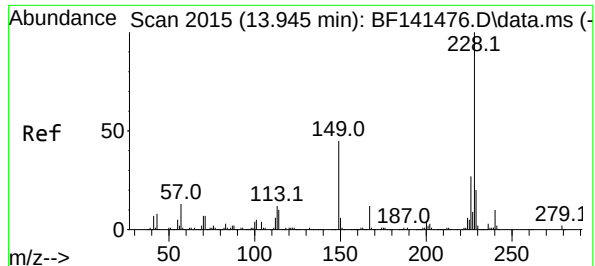
Tgt Ion:244 Resp: 1244053
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.5 8.4 12.6



#80
Butylbenzylphthalate
Concen: 51.168 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

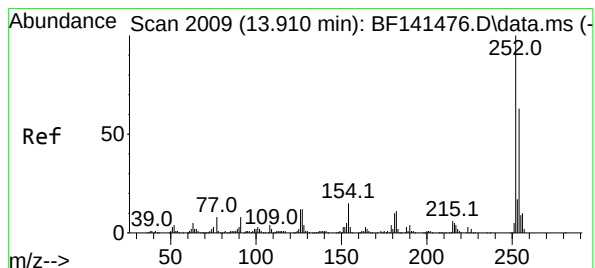
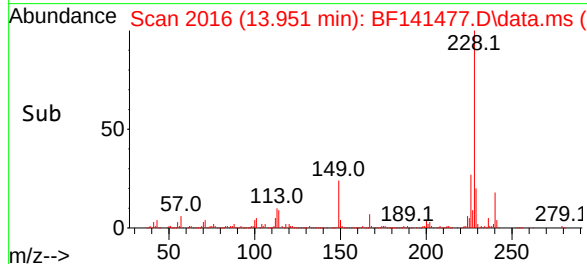
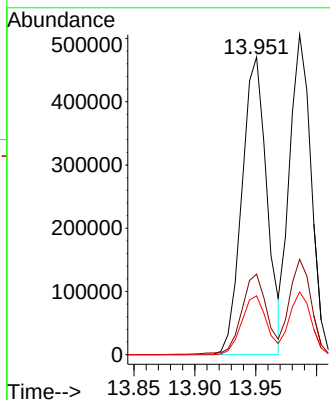
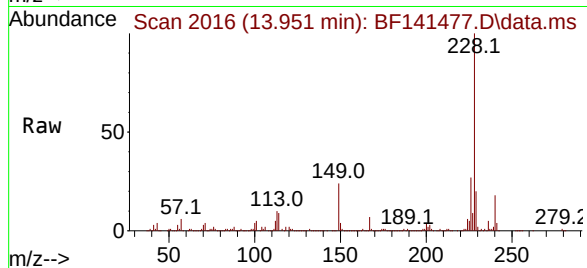
Tgt Ion:149 Resp: 310612
Ion Ratio Lower Upper
149 100
91 72.8 57.8 86.8
206 21.5 16.7 25.1





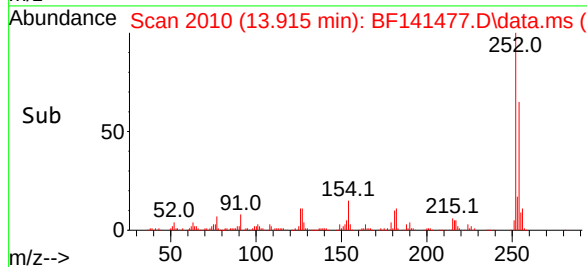
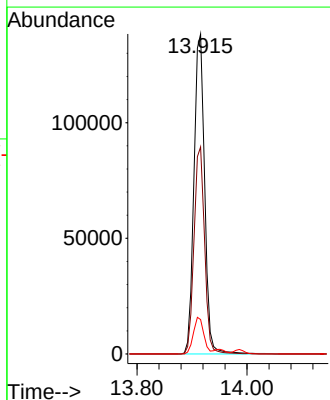
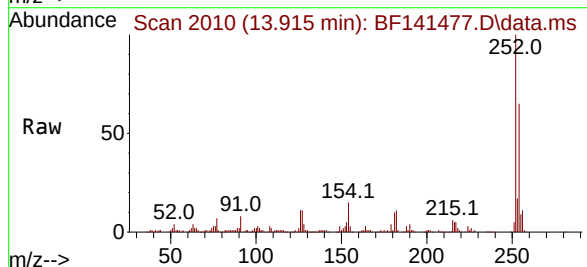
#81
Benzo(a)anthracene
Concen: 49.234 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

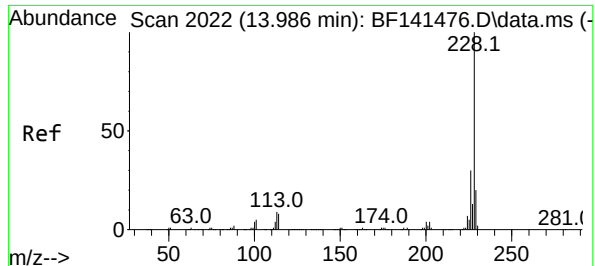
Tgt Ion:228 Resp: 673785
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.8 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 47.650 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

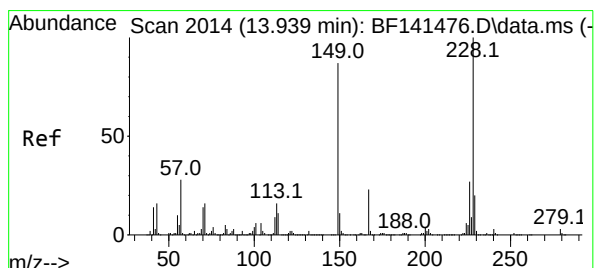
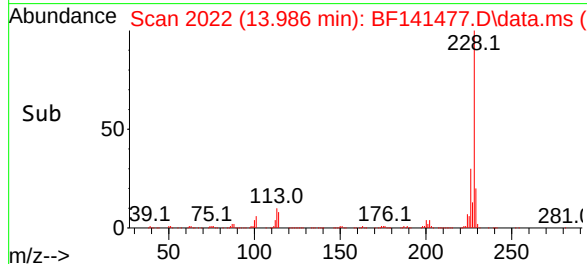
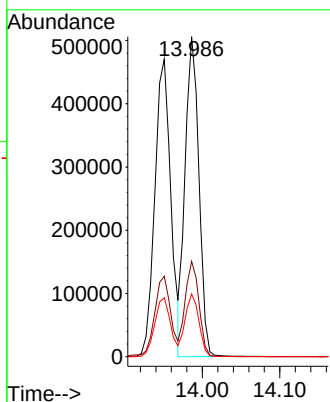
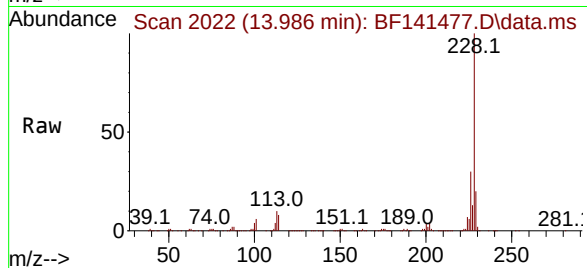
Tgt Ion:252 Resp: 186802
Ion Ratio Lower Upper
252 100
254 64.7 50.6 76.0
126 10.8 9.3 13.9





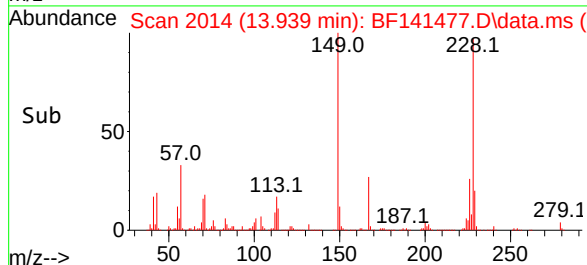
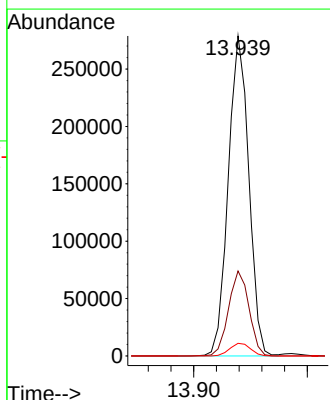
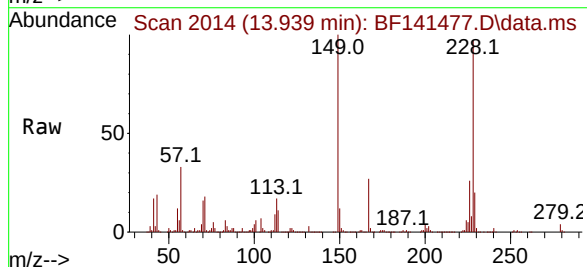
#83
Chrysene
Concen: 49.505 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

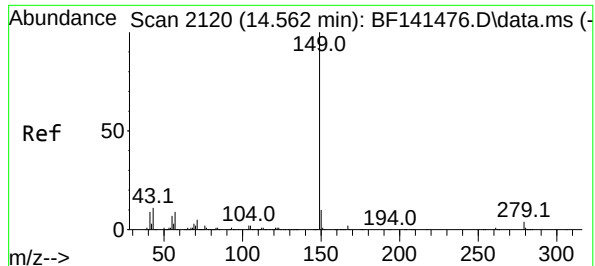
Tgt Ion:228 Resp: 625572
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.138 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

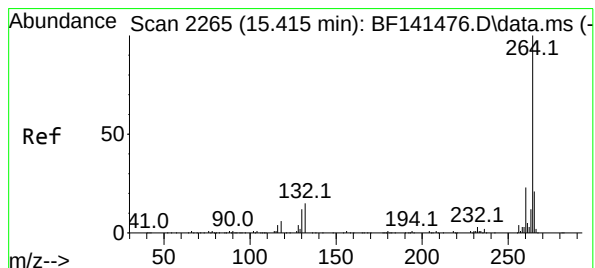
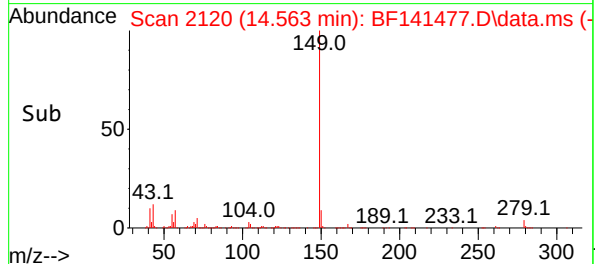
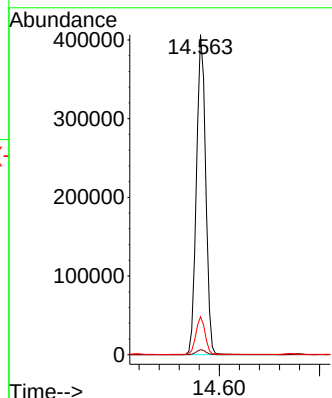
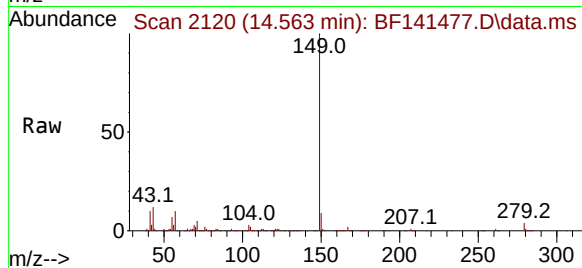
Tgt Ion:149 Resp: 350121
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.0 3.1 4.7





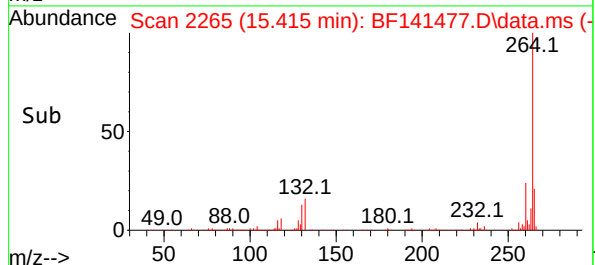
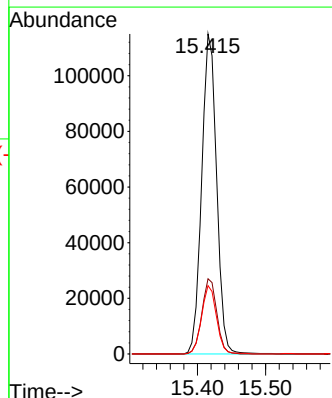
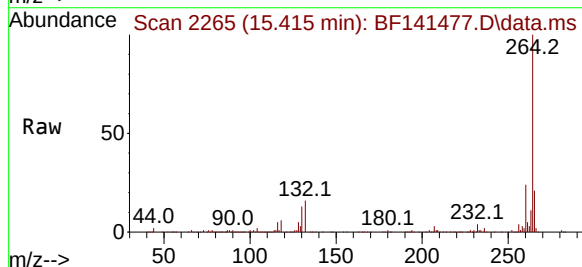
#85
Di-n-octyl phthalate
Concen: 53.213 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

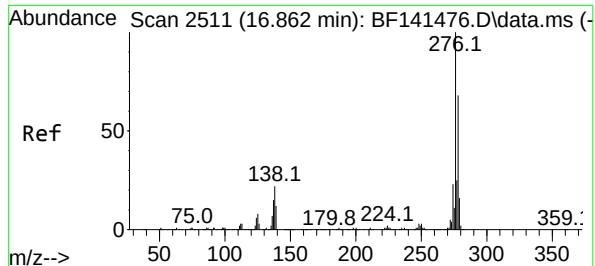
Tgt Ion:149 Resp: 519741
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.7 9.5 14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:264 Resp: 174906
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.277 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

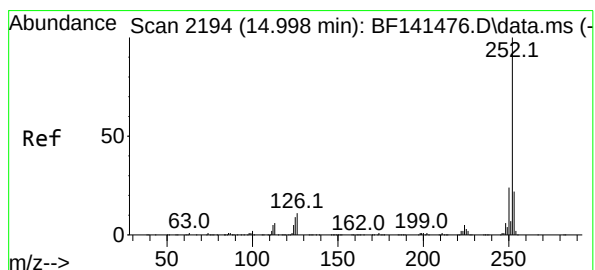
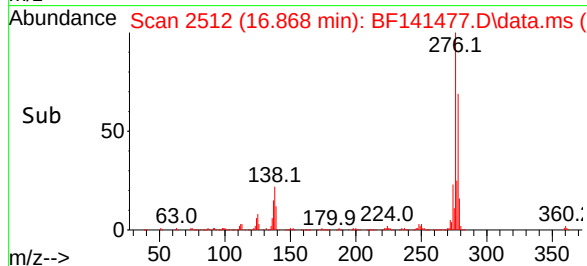
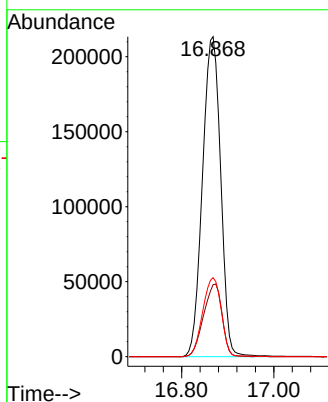
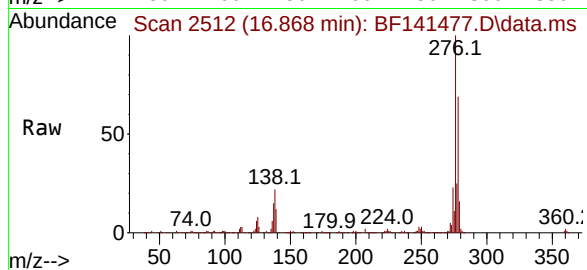
Tgt Ion:276 Resp: 586584

Ion Ratio Lower Upper

276 100

138 23.0 18.0 27.0

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 50.251 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141477.D

Acq: 06 Feb 2025 13:21

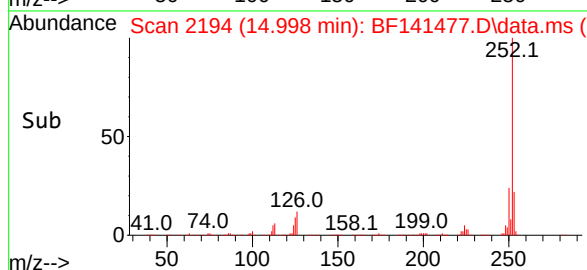
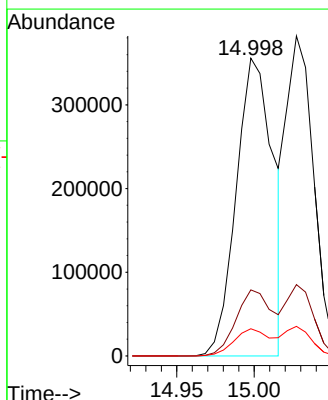
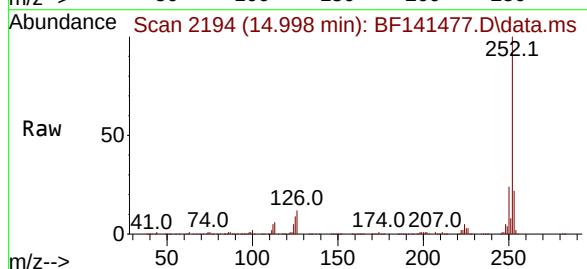
Tgt Ion:252 Resp: 590149

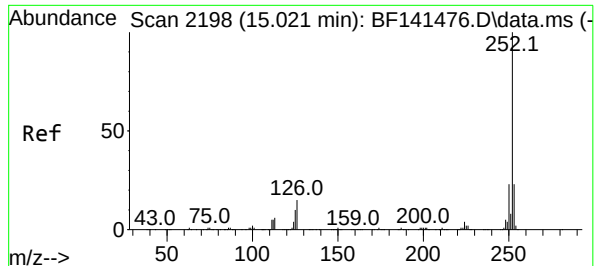
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

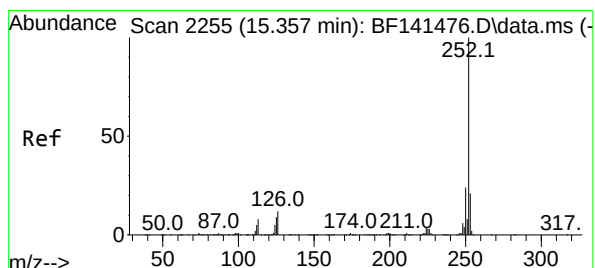
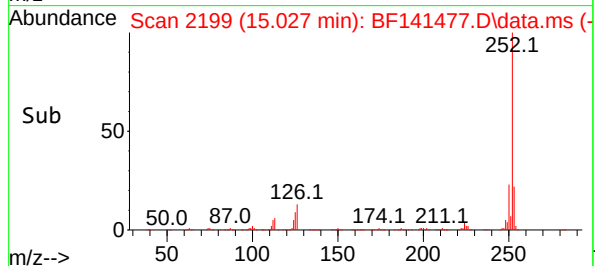
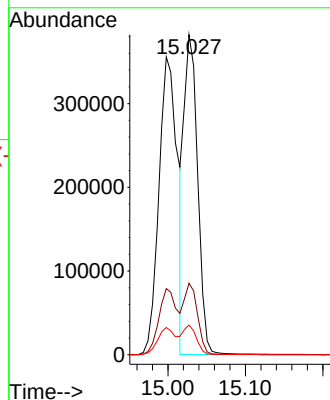
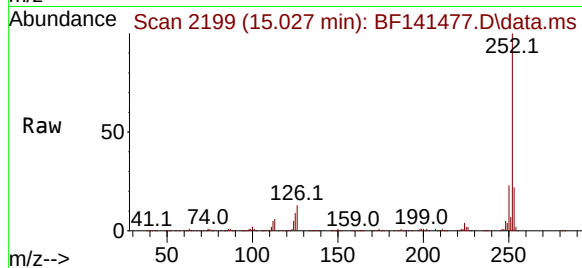
125 9.2 7.0 10.6





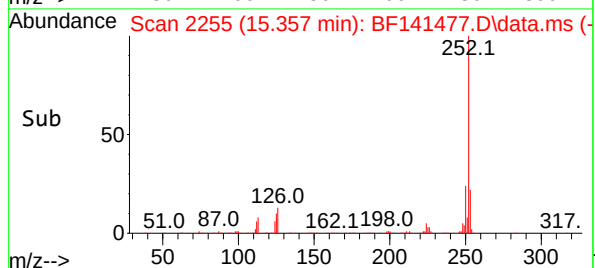
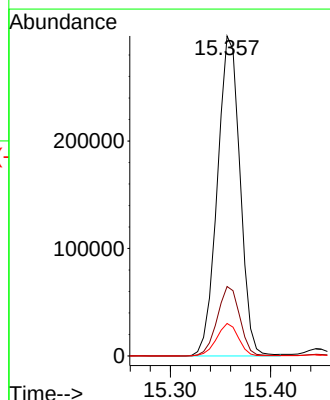
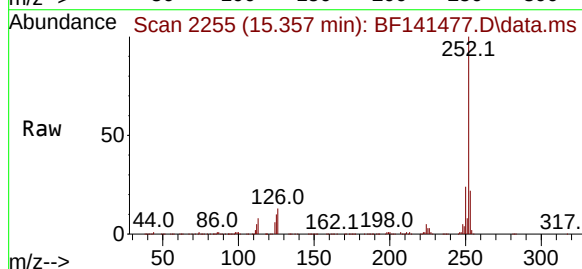
#89
Benzo(k)fluoranthene
Concen: 46.814 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

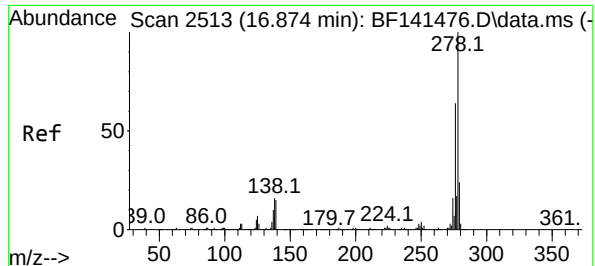
Tgt Ion:252 Resp: 469466
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.2 7.4 11.0



#90
Benzo(a)pyrene
Concen: 49.173 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

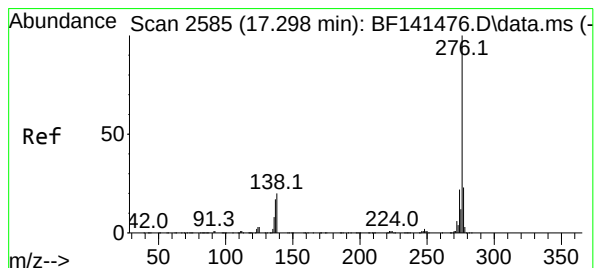
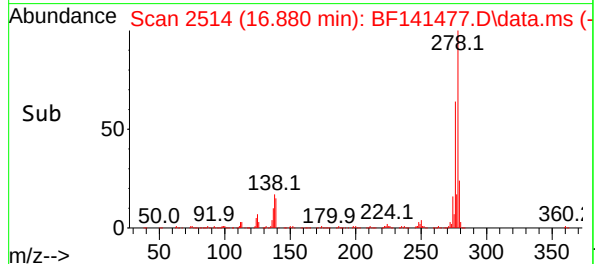
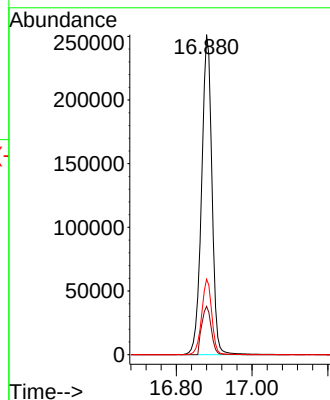
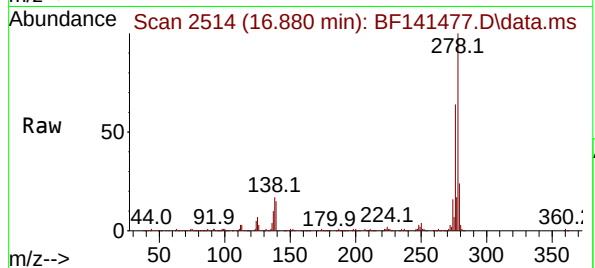
Tgt Ion:252 Resp: 467288
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 10.2 7.4 11.2





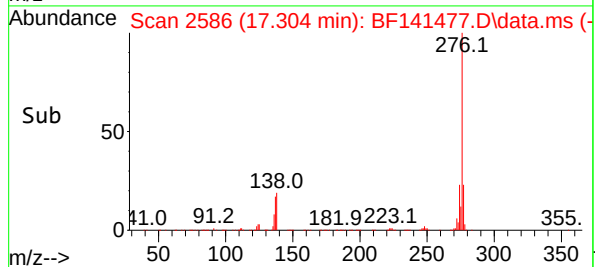
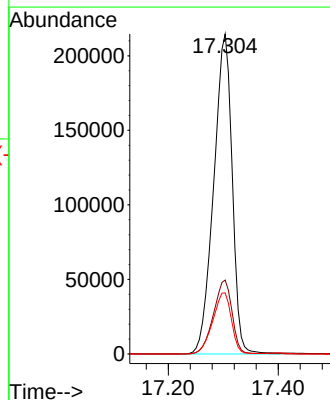
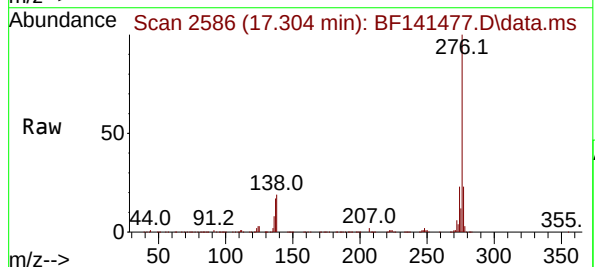
#91
Dibenzo(a,h)anthracene
Concen: 54.503 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:278 Resp: 477285
Ion Ratio Lower Upper
278 100
139 15.1 11.8 17.6
279 23.6 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 54.592 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141477.D
Acq: 06 Feb 2025 13:21

Tgt Ion:276 Resp: 500274
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 19.1 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141478.D
 Acq On : 06 Feb 2025 13:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 06 16:00:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	88704	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	186729	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	321893	20.000	ng	0.00
76) Chrysene-d12	13.962	240	197108	20.000	ng	0.00
86) Perylene-d12	15.415	264	171026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	672709	118.894	ng	0.00
7) Phenol-d6	6.434	99	843410	117.937	ng	0.00
23) Nitrobenzene-d5	7.357	82	788550	119.351	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	225049	119.976	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1410277	116.358	ng	0.00
79) Terphenyl-d14	12.904	244	1459213	124.977	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	138751	60.929	ng	99
3) Pyridine	3.210	79	335519	61.916	ng	99
4) n-Nitrosodimethylamine	3.175	42	225031	62.715	ng	98
6) Aniline	6.457	93	397494	59.254	ng	99
8) 2-Chlorophenol	6.581	128	358027	58.561	ng	97
9) Benzaldehyde	6.339	77	187887	49.441	ng	100
10) Phenol	6.451	94	437528	58.782	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	335957	60.093	ng	99
12) 1,3-Dichlorobenzene	6.734	146	380433	58.941	ng	98
13) 1,4-Dichlorobenzene	6.810	146	382812	58.050	ng	98
14) 1,2-Dichlorobenzene	6.963	146	357837	58.465	ng	99
15) Benzyl Alcohol	6.939	79	324244	59.125	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	553943	57.883	ng	91
17) 2-Methylphenol	7.057	107	283563	59.272	ng	97
18) Hexachloroethane	7.304	117	144816	59.337	ng	96
19) n-Nitroso-di-n-propyla...	7.210	70	250412	58.540	ng	99
20) 3+4-Methylphenols	7.210	107	350980	57.722	ng	92
22) Acetophenone	7.204	105	504294	58.828	ng	99
24) Nitrobenzene	7.381	77	387174	60.096	ng	100
25) Isophorone	7.616	82	638004	60.562	ng	99
26) 2-Nitrophenol	7.692	139	199140	62.128	ng	97
27) 2,4-Dimethylphenol	7.733	122	227803	60.836	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	404195	59.877	ng	100
29) 2,4-Dichlorophenol	7.939	162	301959	59.683	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	328150	59.561	ng	99
31) Naphthalene	8.098	128	1056367	58.889	ng	100
32) Benzoic acid	7.875	122	250995	64.532	ng	99
33) 4-Chloroaniline	8.151	127	376211	60.070	ng	99
34) Hexachlorobutadiene	8.210	225	197955	59.849	ng	99
35) Caprolactam	8.533	113	94415	61.291	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	335897	59.935	ng	99
37) 2-Methylnaphthalene	8.786	142	688021	58.941	ng	99
38) 1-Methylnaphthalene	8.886	142	661628	58.522	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	321763	59.560	ng	99
41) Hexachlorocyclopentadiene	8.939	237	120063	66.819	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	211702	60.632	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141478.D
 Acq On : 06 Feb 2025 13:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

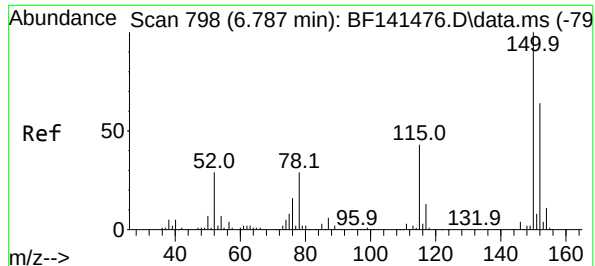
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	229006	60.519	ng	98
46) 1,1'-Biphenyl	9.251	154	861067	59.479	ng	100
47) 2-Chloronaphthalene	9.275	162	636511	59.459	ng	99
48) 2-Nitroaniline	9.375	65	224709	62.547	ng	99
49) Acenaphthylene	9.692	152	946382	59.436	ng	100
50) Dimethylphthalate	9.557	163	751128	59.253	ng	99
51) 2,6-Dinitrotoluene	9.622	165	167387	60.403	ng	100
52) Acenaphthene	9.863	154	631289	58.974	ng	99
53) 3-Nitroaniline	9.792	138	179664	60.237	ng	100
54) 2,4-Dinitrophenol	9.898	184	111060	67.432	ng	96
55) Dibenzofuran	10.039	168	915117	58.242	ng	100
56) 4-Nitrophenol	9.963	139	143994	65.035	ng	97
57) 2,4-Dinitrotoluene	10.022	165	222091	60.202	ng	99
58) Fluorene	10.380	166	707371	58.225	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	198636	60.972	ng	99
60) Diethylphthalate	10.257	149	732804	58.755	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	342324	58.570	ng	98
62) 4-Nitroaniline	10.404	138	182946	60.406	ng	96
63) Azobenzene	10.533	77	739338	59.629	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140610	62.884	ng	99
66) n-Nitrosodiphenylamine	10.492	169	603914	58.609	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	213385	59.314	ng	98
68) Hexachlorobenzene	10.927	284	220611	59.552	ng	98
69) Atrazine	11.021	200	175824	56.878	ng	99
70) Pentachlorophenol	11.121	266	153971	65.001	ng	100
71) Phenanthrene	11.345	178	1032075	58.248	ng	100
72) Anthracene	11.392	178	1034181	58.062	ng	99
73) Carbazole	11.551	167	927882	57.896	ng	100
74) Di-n-butylphthalate	11.880	149	1087815	58.783	ng	99
75) Fluoranthene	12.533	202	1053887	56.102	ng	100
77) Benzidine	12.651	184	207602	47.757	ng	99
78) Pyrene	12.763	202	1068624	63.687	ng	99
80) Butylbenzylphthalate	13.380	149	368219	63.357	ng	99
81) Benzo(a)anthracene	13.951	228	774318	59.097	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	208826	55.639	ng	98
83) Chrysene	13.986	228	723815	59.829	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	411979	62.851	ng	100
85) Di-n-octyl phthalate	14.562	149	621505	66.464	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	723493	68.464	ng	100
88) Benzo(b)fluoranthene	14.998	252	695617	60.575	ng	99
89) Benzo(k)fluoranthene	15.027	252	563342	57.449	ng	99
90) Benzo(a)pyrene	15.357	252	561457	60.423	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	584115	68.216	ng	99
92) Benzo(g,h,i)perylene	17.309	276	617241	68.884	ng	99

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

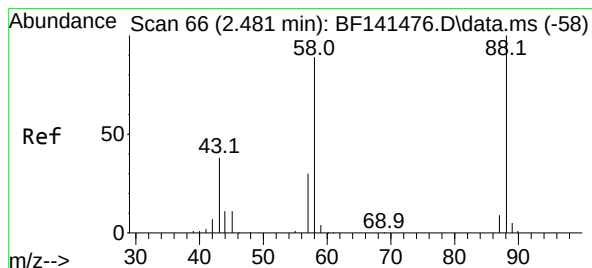
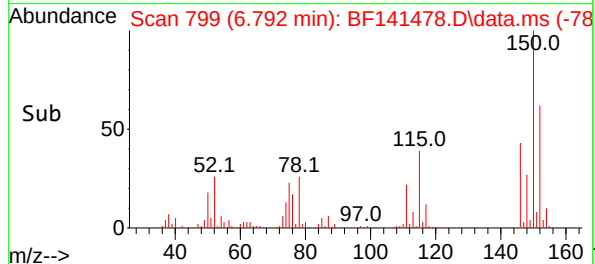
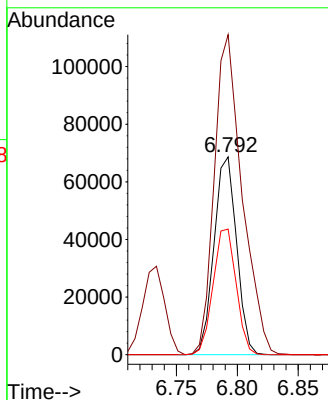
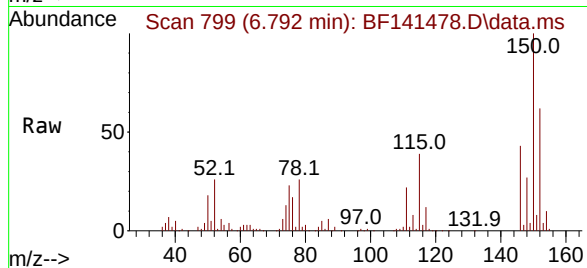
Quant Time: Feb 06 16:00:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





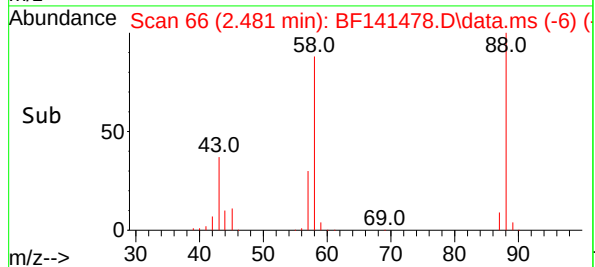
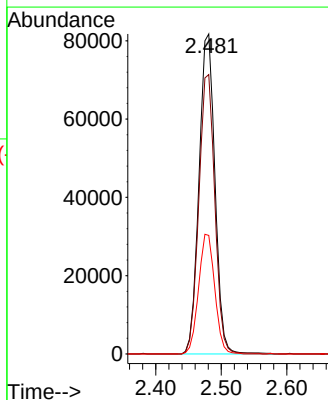
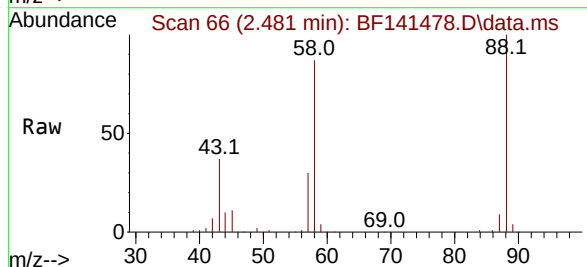
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

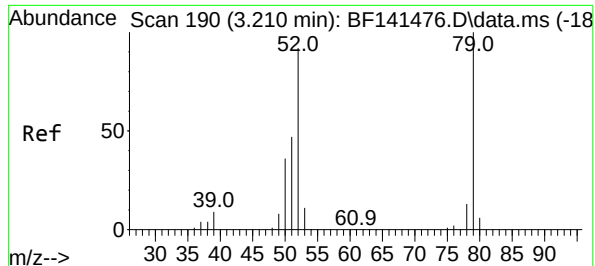
Tgt Ion:152 Resp: 88704
Ion Ratio Lower Upper
152 100
150 161.8 125.0 187.4
115 63.6 53.6 80.4



#2
1,4-Dioxane
Concen: 60.929 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

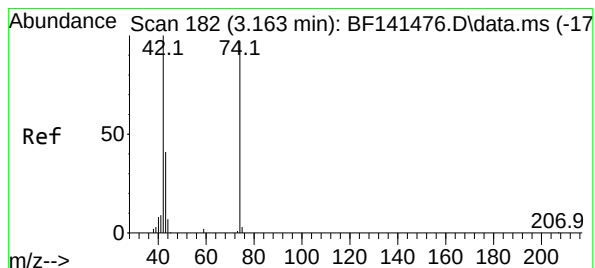
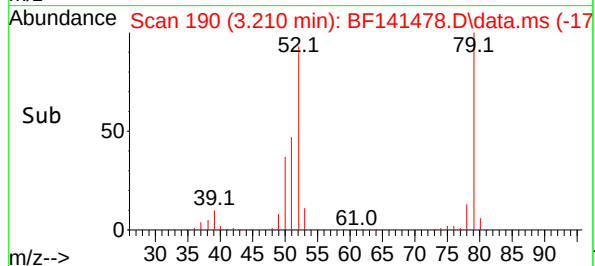
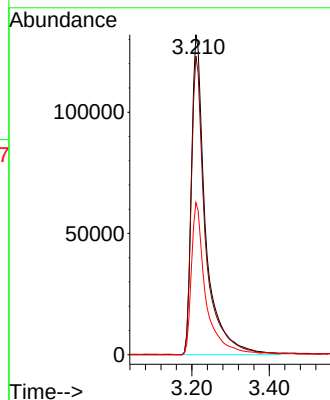
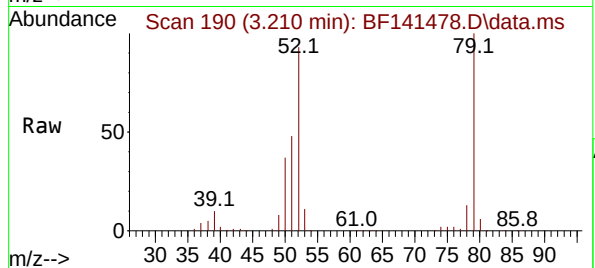
Tgt Ion: 88 Resp: 138751
Ion Ratio Lower Upper
88 100
58 87.5 71.1 106.7
43 37.9 30.6 46.0





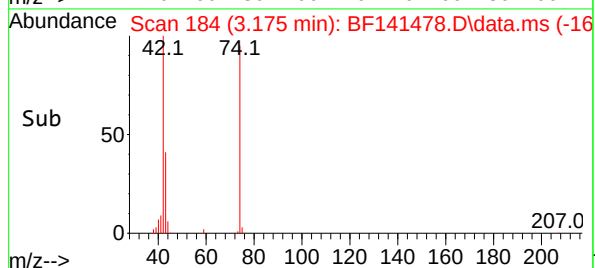
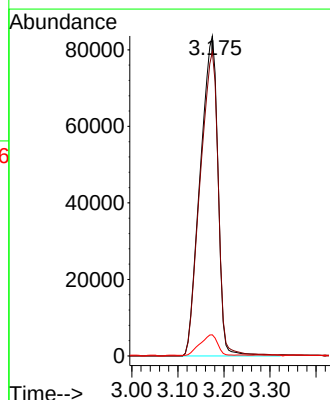
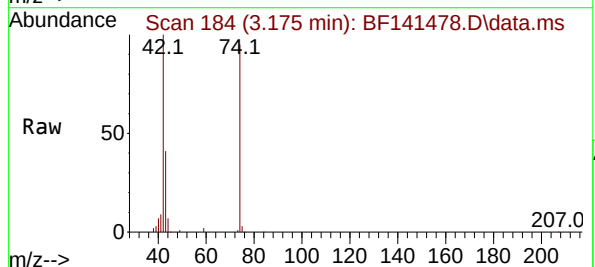
#3
Pyridine
Concen: 61.916 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

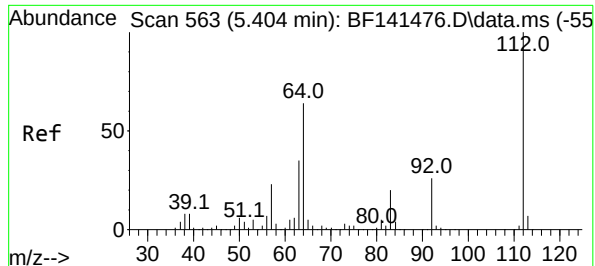
Tgt Ion: 79 Resp: 335519
Ion Ratio Lower Upper
79 100
52 93.3 73.7 110.5
51 47.5 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 62.715 ng
RT: 3.175 min Scan# 184
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

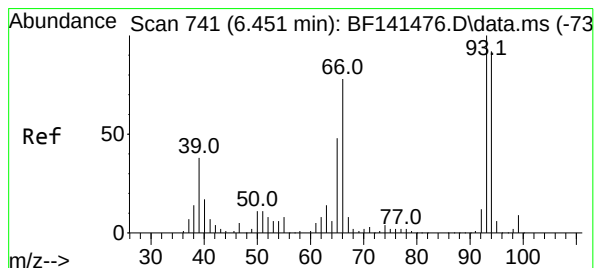
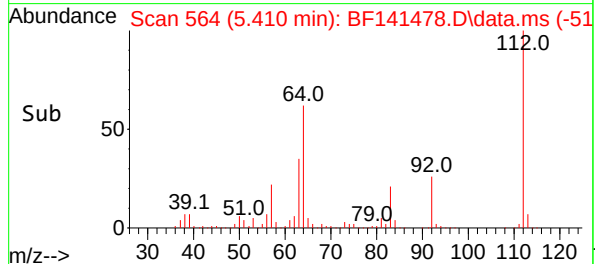
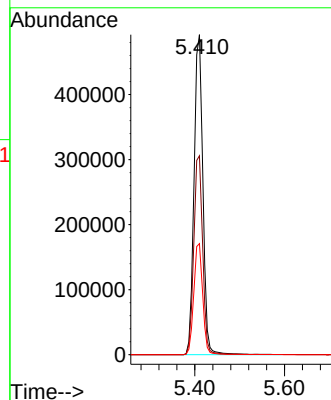
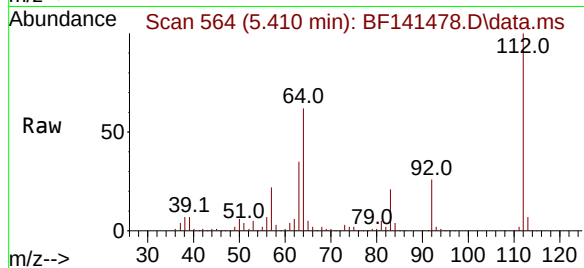
Tgt Ion: 42 Resp: 225031
Ion Ratio Lower Upper
42 100
74 95.0 78.0 117.0
44 6.6 5.4 8.2





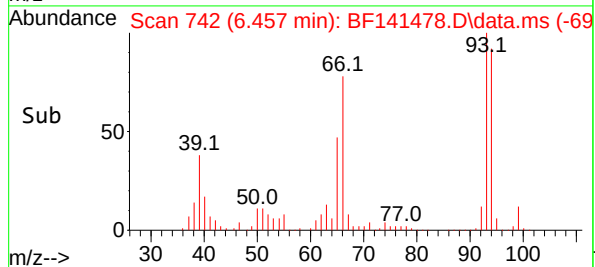
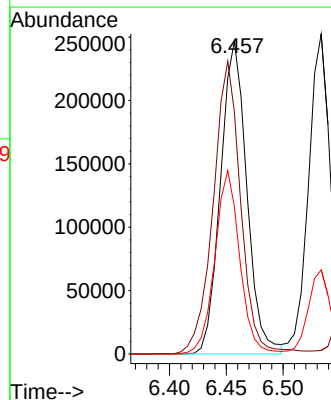
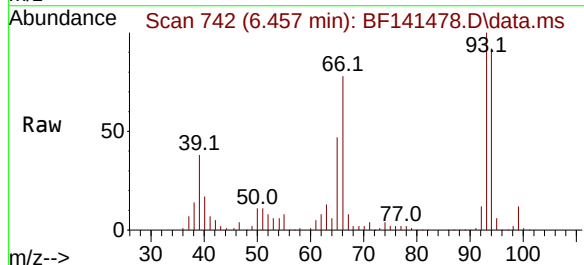
#5
2-Fluorophenol
Concen: 118.894 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

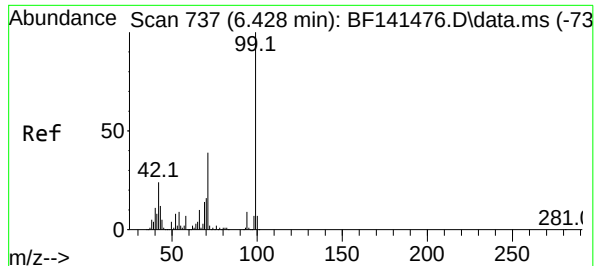
Tgt Ion: 112 Resp: 672709
Ion Ratio Lower Upper
112 100
64 62.2 51.1 76.7
63 34.7 28.4 42.6



#6
Aniline
Concen: 59.254 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

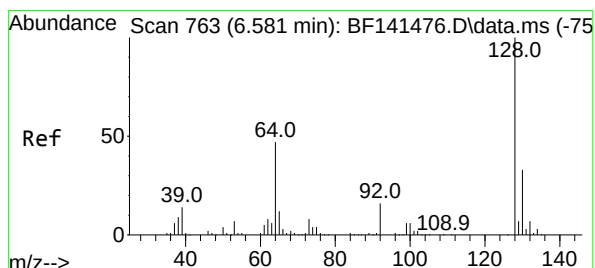
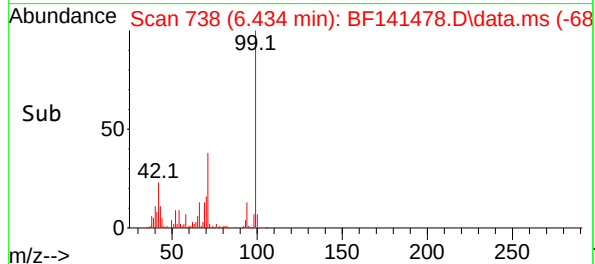
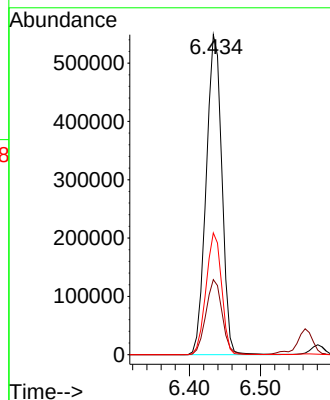
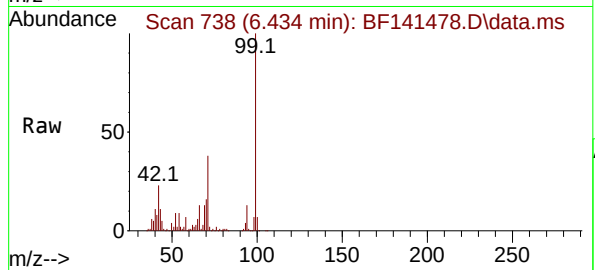
Tgt Ion: 93 Resp: 397494
Ion Ratio Lower Upper
93 100
66 77.6 62.6 94.0
65 47.2 38.3 57.5





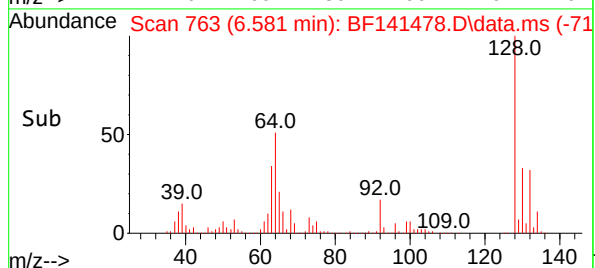
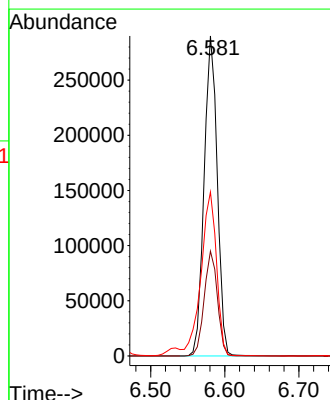
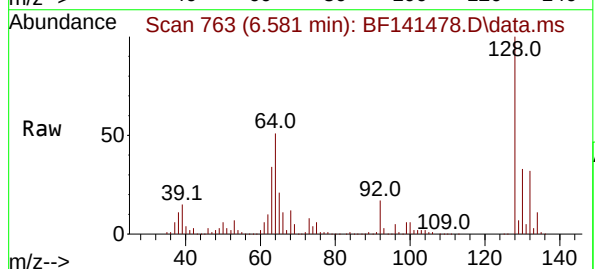
#7
Phenol-d6
Concen: 117.937 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

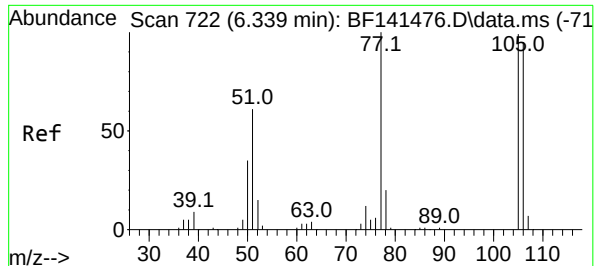
Tgt Ion: 99 Resp: 843410
Ion Ratio Lower Upper
99 100
42 23.5 19.1 28.7
71 38.0 31.1 46.7



#8
2-Chlorophenol
Concen: 58.561 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

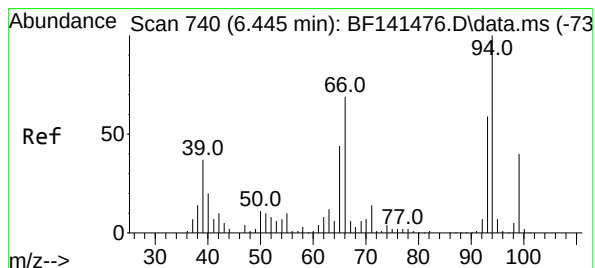
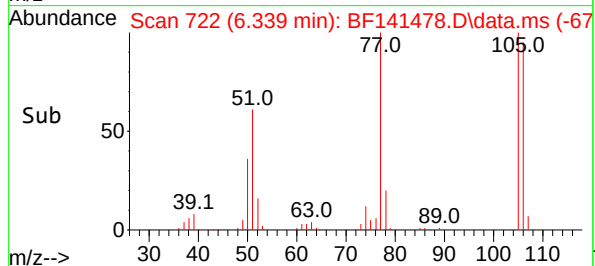
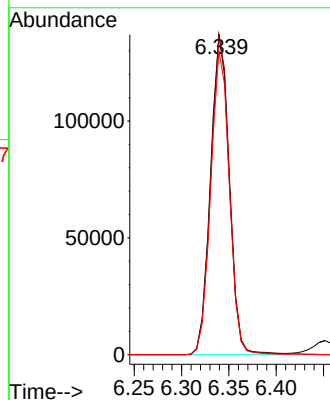
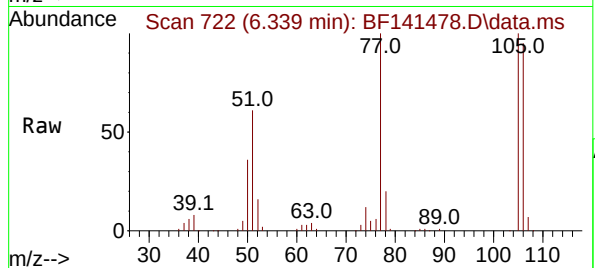
Tgt Ion: 128 Resp: 358027
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 51.3 28.3 68.3





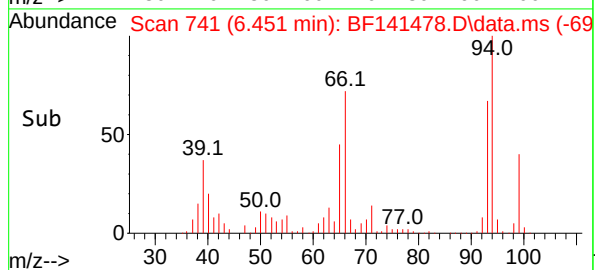
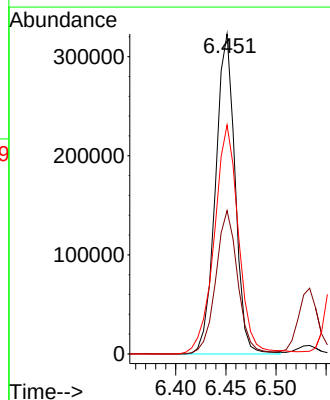
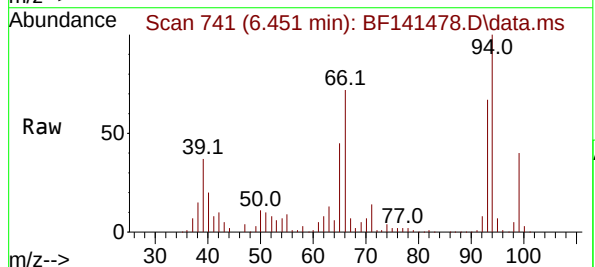
#9
Benzaldehyde
Concen: 49.441 ng
RT: 6.339 min Scan# 722
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

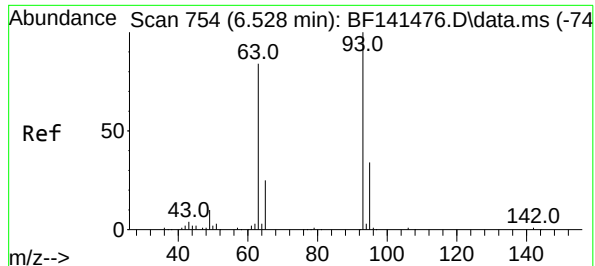
Tgt Ion:	77	Resp:	187887
Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	75.1	115.1



#10
Phenol
Concen: 58.782 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

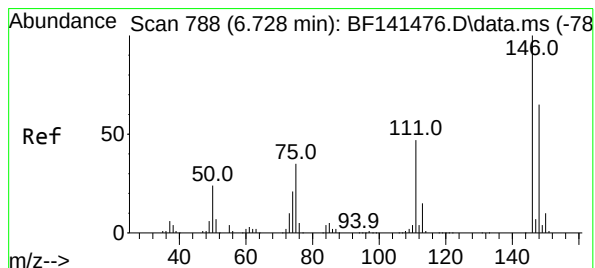
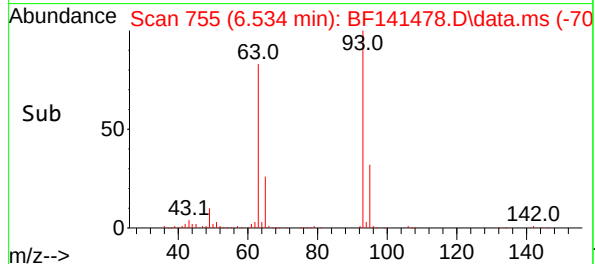
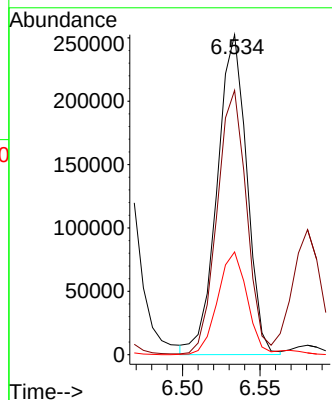
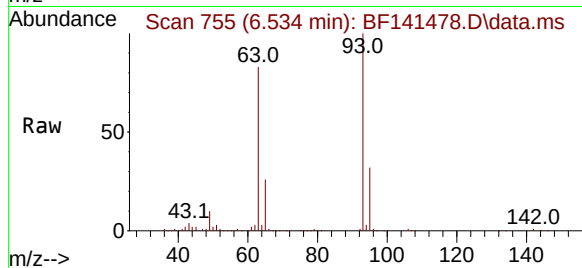
Tgt Ion:	94	Resp:	437528
Ion	Ratio	Lower	Upper
94	100		
65	44.8	23.7	63.7
66	71.5	49.3	89.3





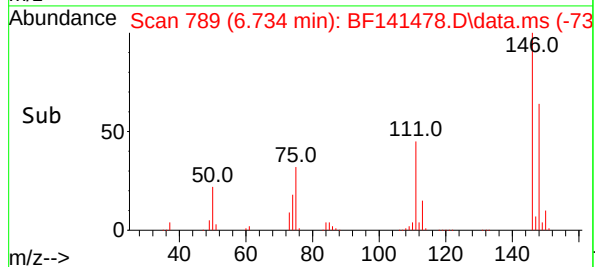
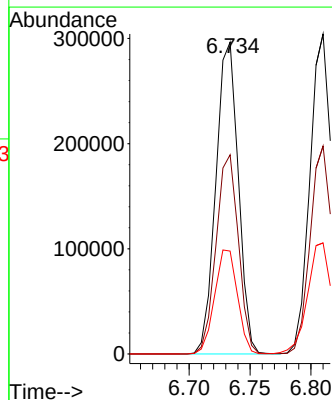
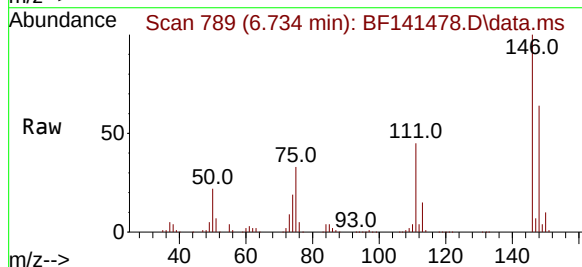
#11
bis(2-Chloroethyl)ether
Concen: 60.093 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

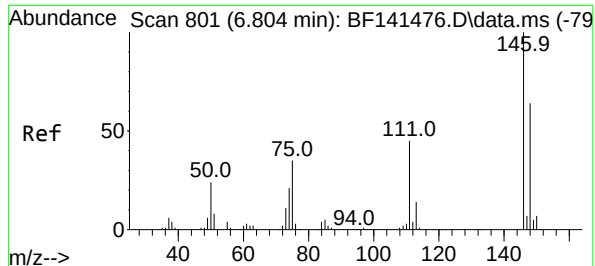
Tgt Ion:	93	Resp:	335957
Ion	Ratio	Lower	Upper
93	100		
63	82.6	62.0	102.0
95	32.1	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 58.941 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:	146	Resp:	380433
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
75	33.0	28.2	42.2





#13

1,4-Dichlorobenzene

Concen: 58.050 ng

RT: 6.810 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

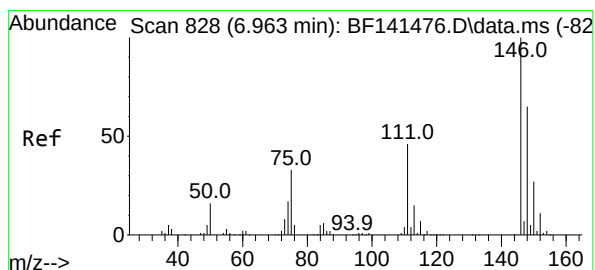
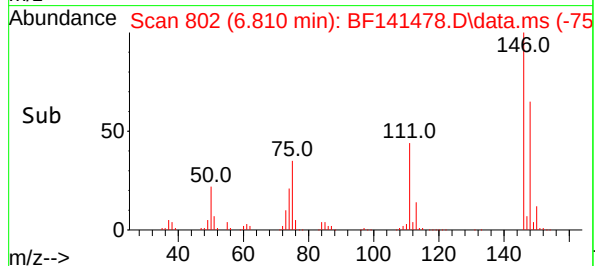
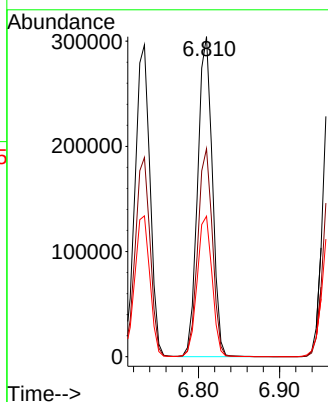
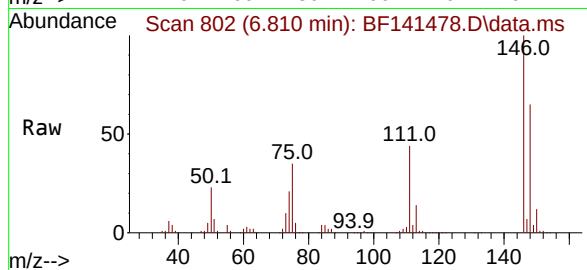
Tgt Ion:146 Resp: 382812

Ion Ratio Lower Upper

146 100

148 65.0 50.9 76.3

111 43.9 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 58.465 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

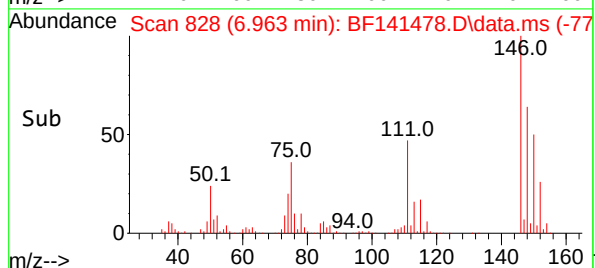
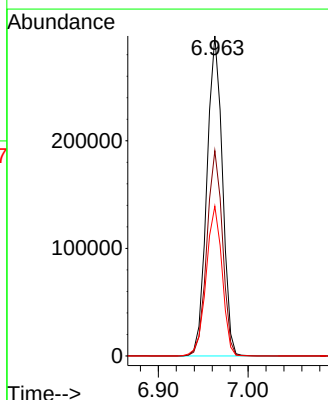
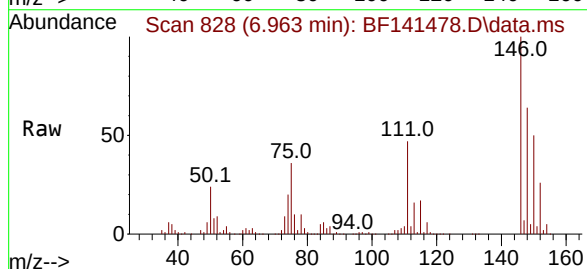
Tgt Ion:146 Resp: 357837

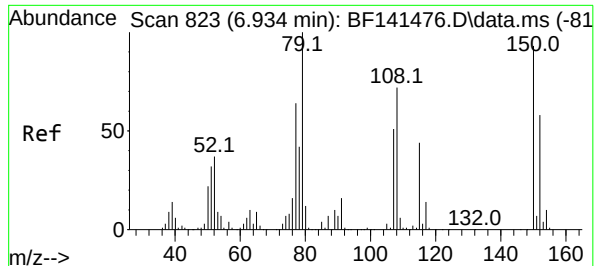
Ion Ratio Lower Upper

146 100

148 64.1 51.8 77.6

111 46.8 37.0 55.4





#15

Benzyl Alcohol

Concen: 59.125 ng

RT: 6.939 min Scan# 824

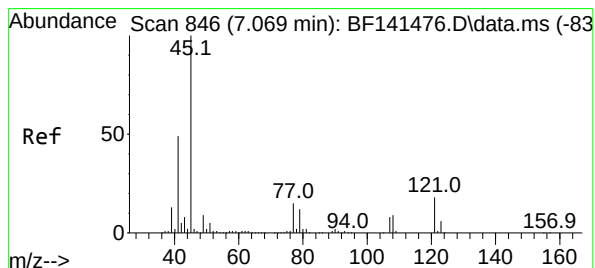
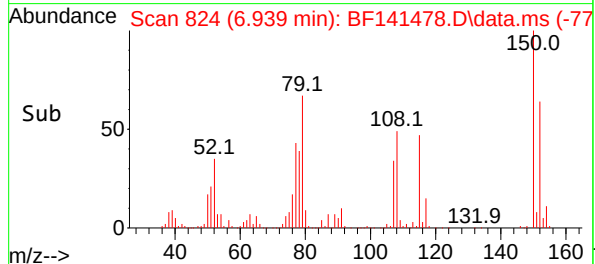
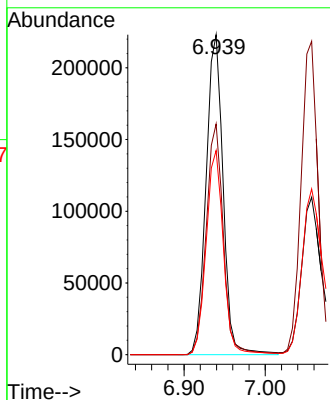
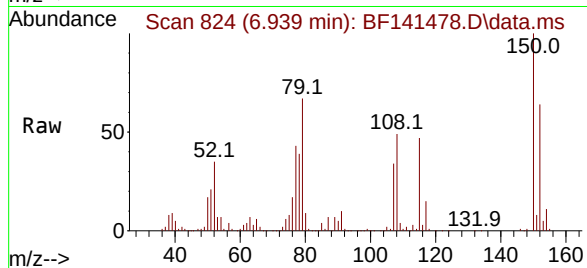
Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion: 79 Resp: 324244

Ion	Ratio	Lower	Upper
79	100		
108	72.1	57.4	86.2
77	63.8	50.9	76.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 57.883 ng

RT: 7.069 min Scan# 846

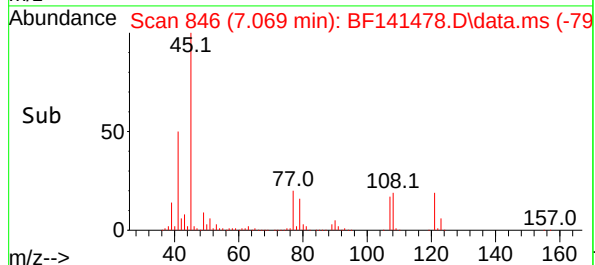
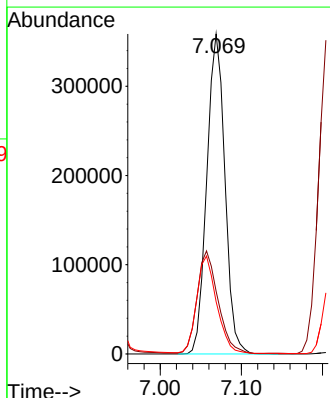
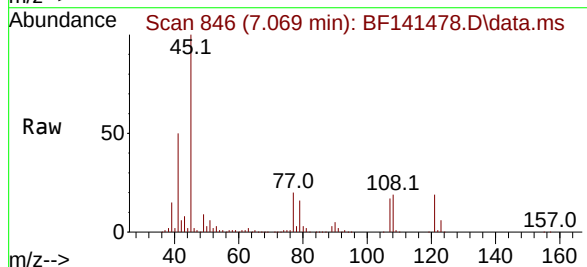
Delta R.T. 0.000 min

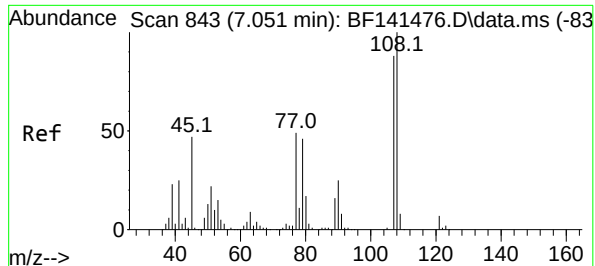
Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion: 45 Resp: 553943

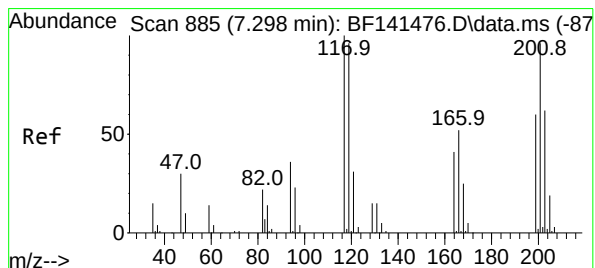
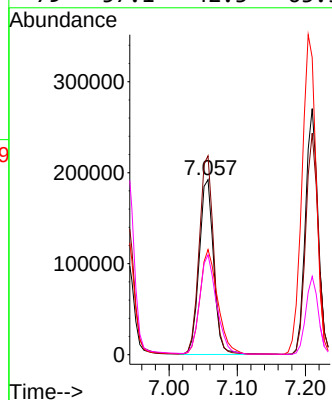
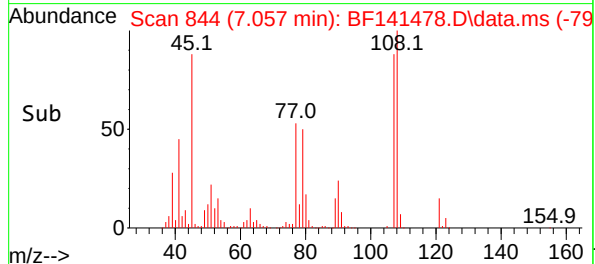
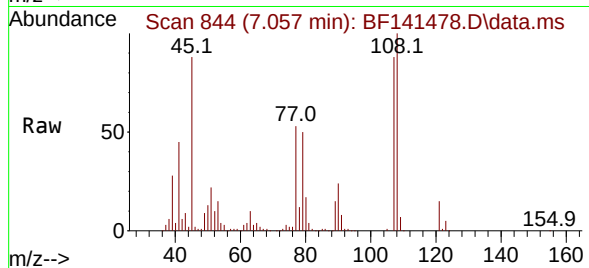
Ion	Ratio	Lower	Upper
45	100		
77	19.6	0.0	35.8
79	16.3	0.0	32.7





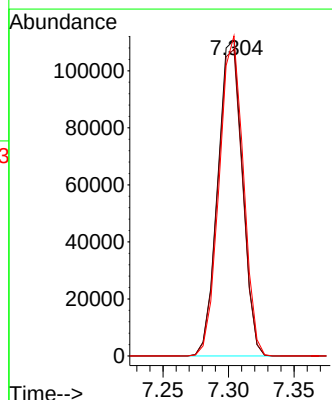
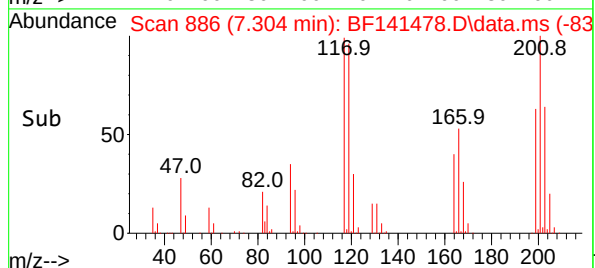
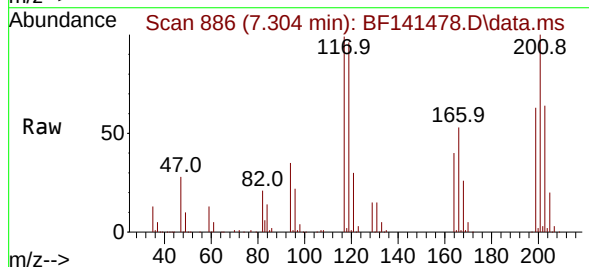
#17
2-Methylphenol
Concen: 59.272 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

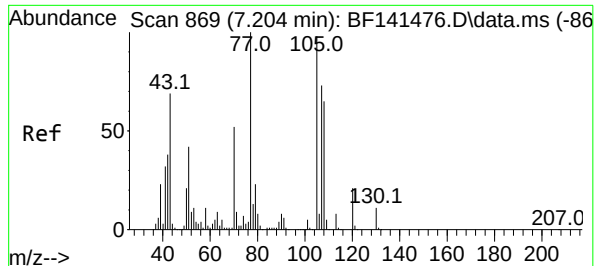
Tgt Ion:107 Resp: 283563
Ion Ratio Lower Upper
107 100
108 113.6 90.6 136.0
77 60.1 44.4 66.6
79 57.1 42.3 63.5



#18
Hexachloroethane
Concen: 59.337 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:117 Resp: 144816
Ion Ratio Lower Upper
117 100
119 97.1 76.5 114.7
201 101.4 76.7 115.1

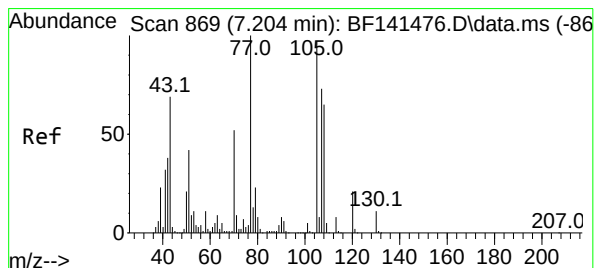
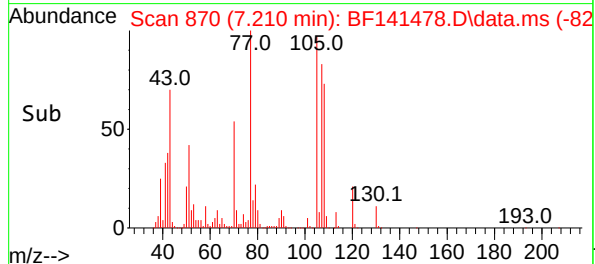
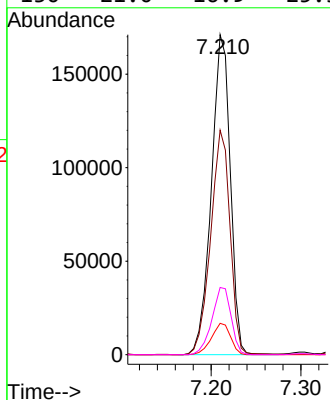
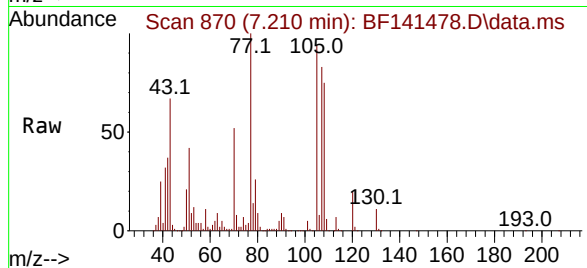




#19

n-Nitroso-di-n-propylamine
Concen: 58.540 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

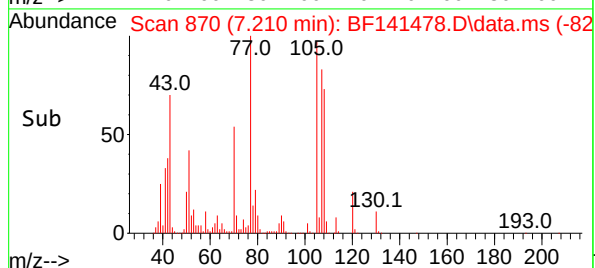
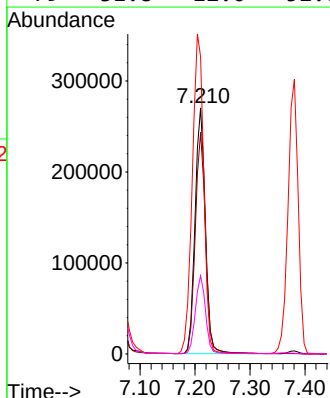
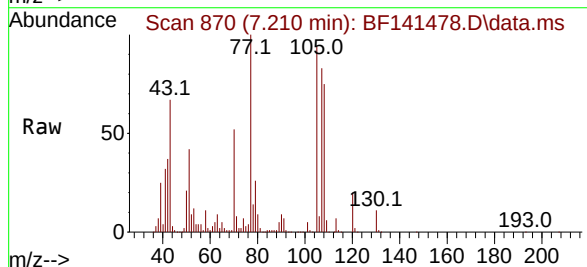
Tgt Ion:	70	Resp:	250412
Ion	Ratio	Lower	Upper
70	100		
42	70.1	57.4	86.2
101	9.8	8.0	12.0
130	21.0	16.9	25.3

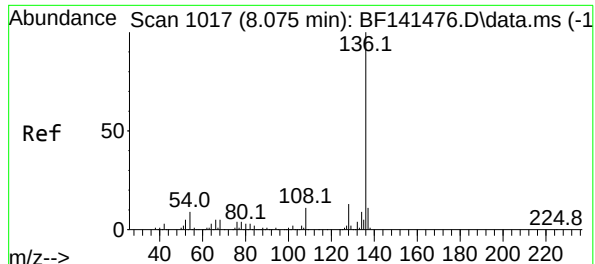


#20

3+4-Methylphenols
Concen: 57.722 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

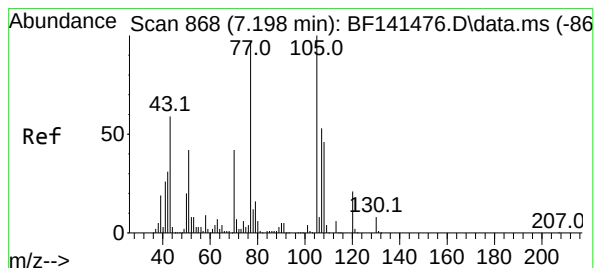
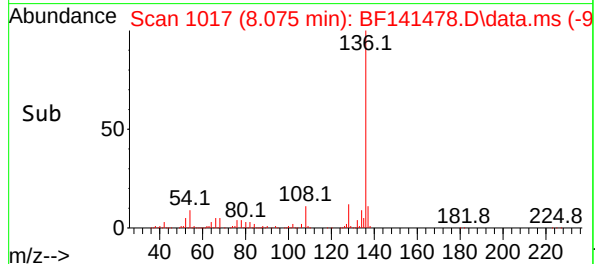
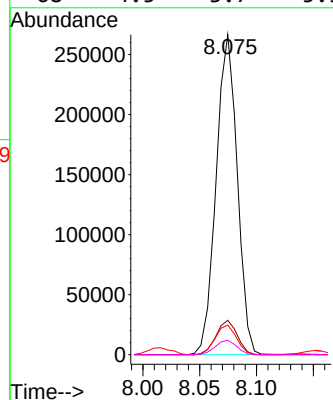
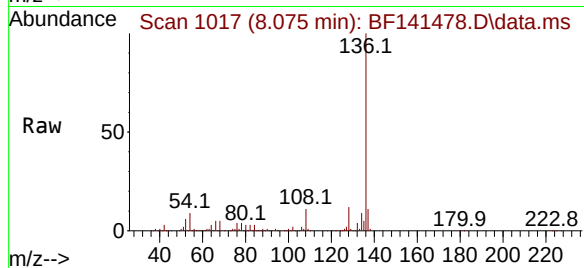
Tgt Ion:	107	Resp:	350980
Ion	Ratio	Lower	Upper
107	100		
108	90.0	68.5	108.5
77	120.7	116.5	156.5
79	31.8	12.0	52.0





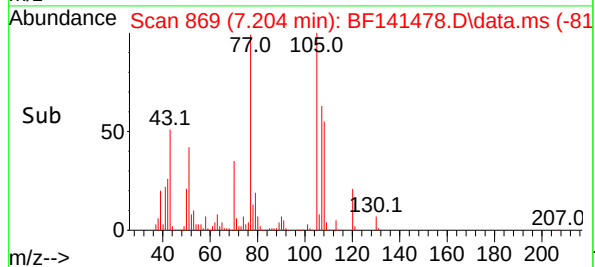
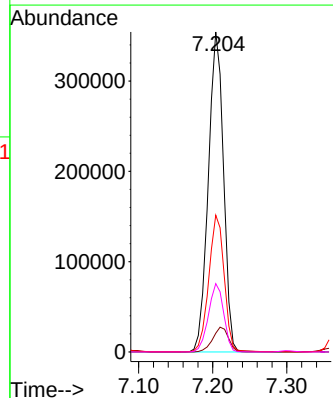
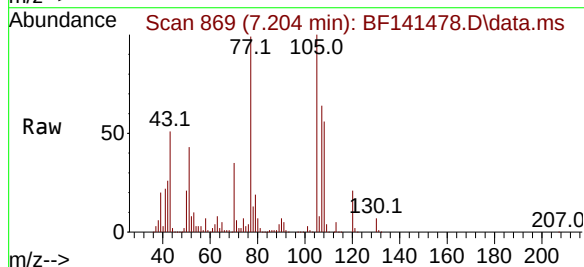
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

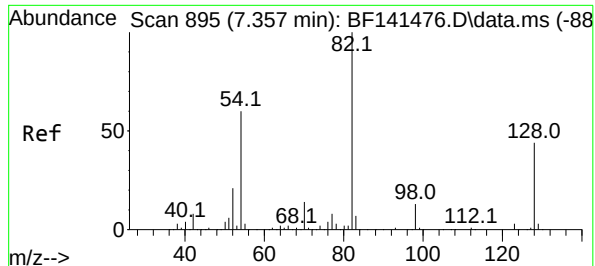
Tgt Ion:	136	Resp:	344609
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	9.2	7.2	10.8
68	4.5	3.7	5.5



#22
Acetophenone
Concen: 58.828 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:	105	Resp:	504294
Ion Ratio	Lower	Upper	
105	100		
71	5.9	5.7	8.5
51	42.7	33.7	50.5
120	21.4	17.0	25.6





#23

Nitrobenzene-d5

Concen: 119.351 ng

RT: 7.357 min Scan# 895

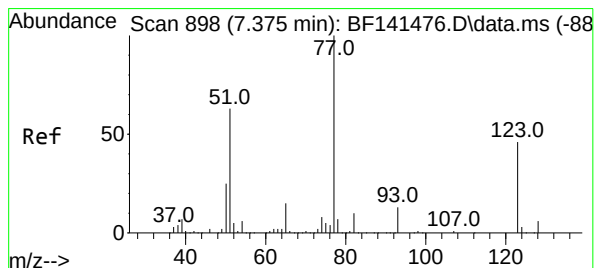
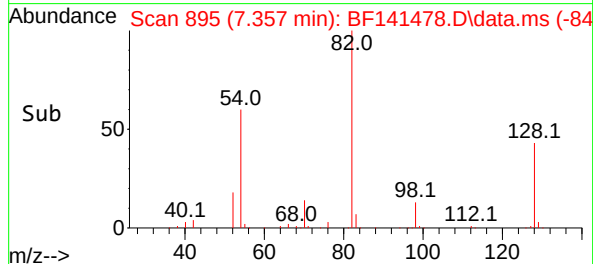
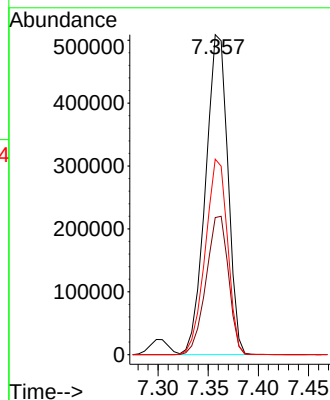
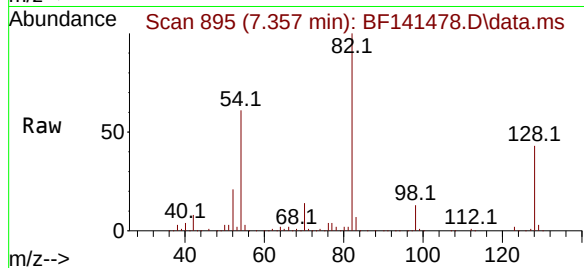
Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion: 82 Resp: 788550

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.8	52.2
54	61.1	48.2	72.4



#24

Nitrobenzene

Concen: 60.096 ng

RT: 7.381 min Scan# 899

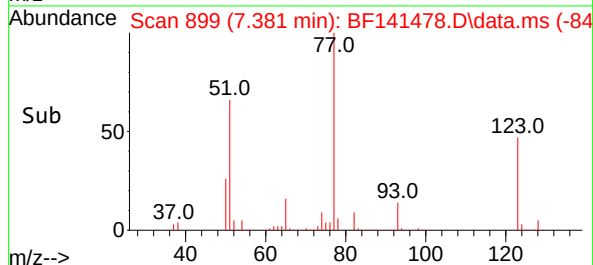
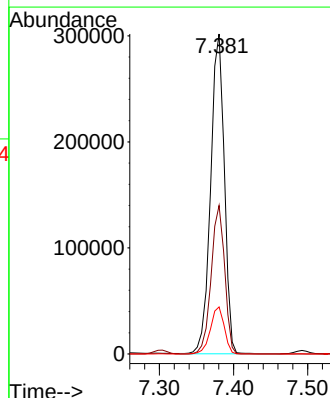
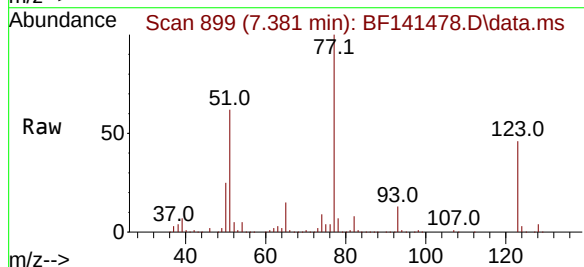
Delta R.T. 0.000 min

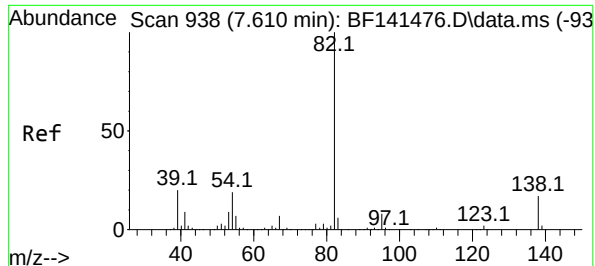
Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion: 77 Resp: 387174

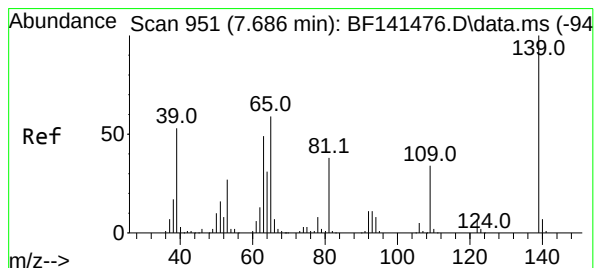
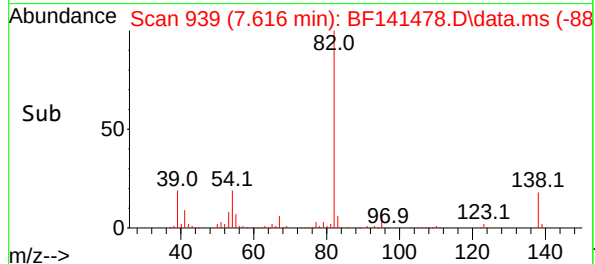
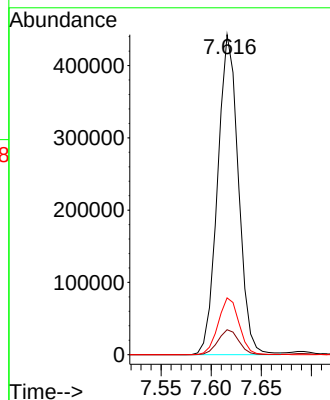
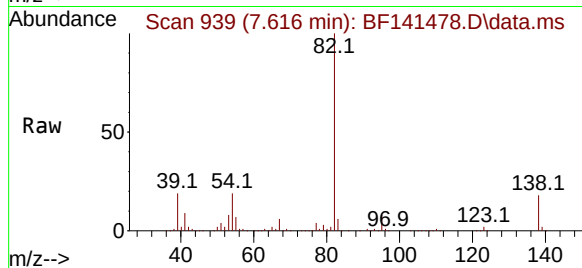
Ion	Ratio	Lower	Upper
77	100		
123	46.4	36.9	55.3
65	14.7	11.9	17.9





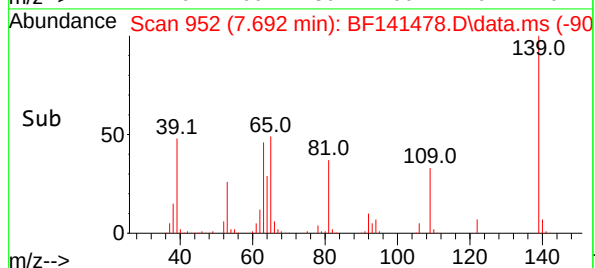
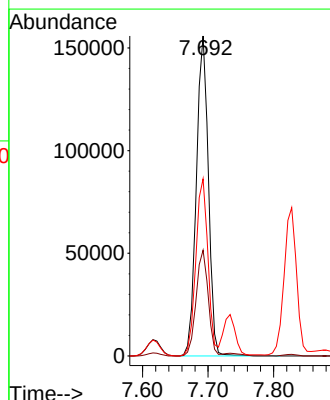
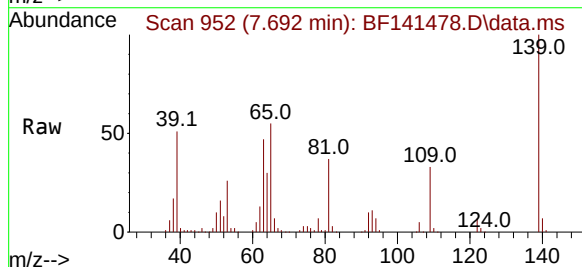
#25
Isophorone
Concen: 60.562 ng
RT: 7.616 min Scan# 939
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

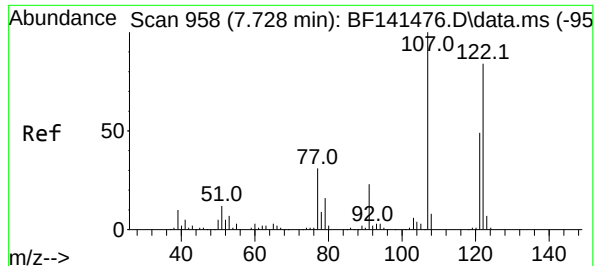
Tgt Ion: 82 Resp: 638004
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 17.7 13.9 20.9



#26
2-Nitrophenol
Concen: 62.128 ng
RT: 7.692 min Scan# 952
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 139 Resp: 199140
Ion Ratio Lower Upper
139 100
109 33.1 27.0 40.6
65 55.3 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 60.836 ng

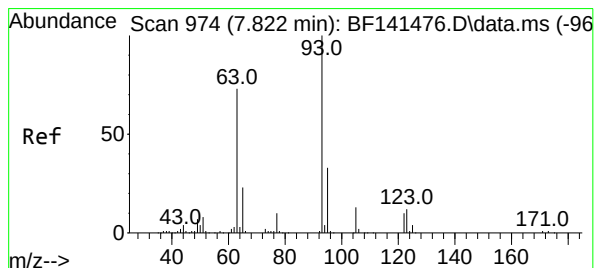
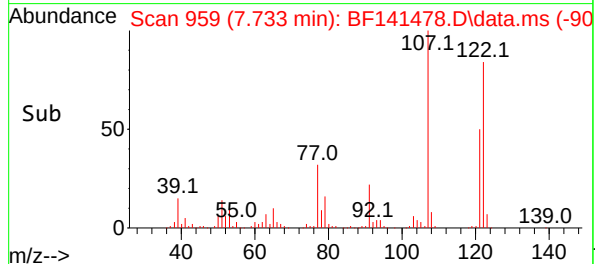
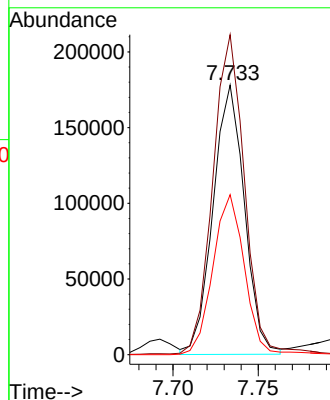
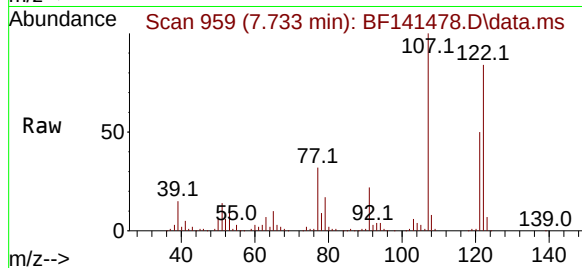
RT: 7.733 min Scan# 959

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:	122	Resp:	227803
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	59.4	46.0	69.0



#28

bis(2-Chloroethoxy)methane

Concen: 59.877 ng

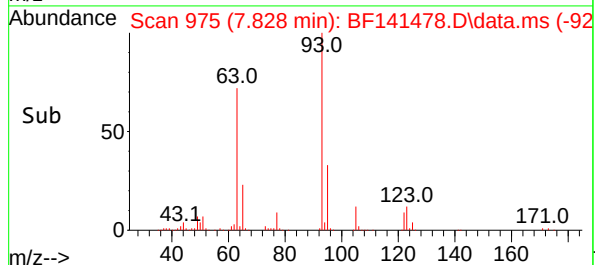
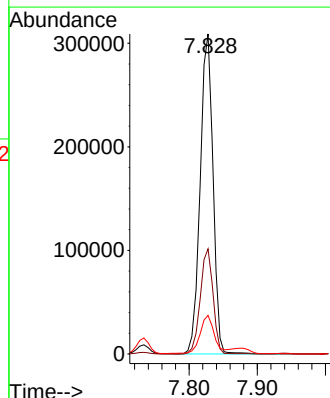
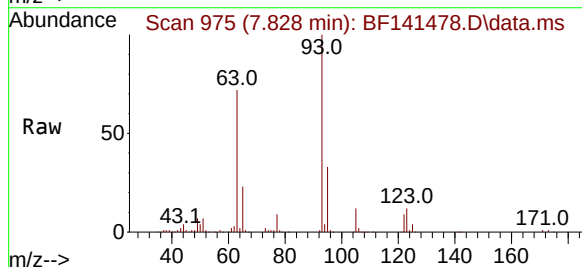
RT: 7.828 min Scan# 975

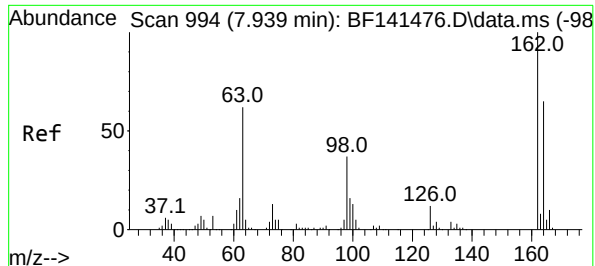
Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:	93	Resp:	404195
Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	12.1	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 59.683 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

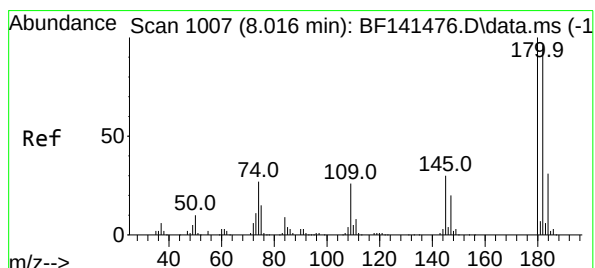
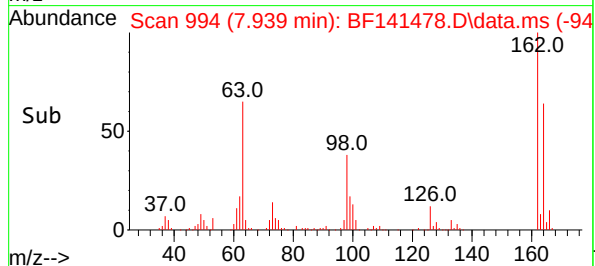
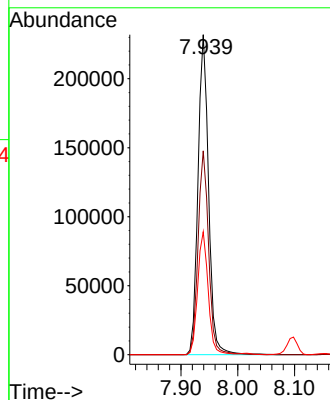
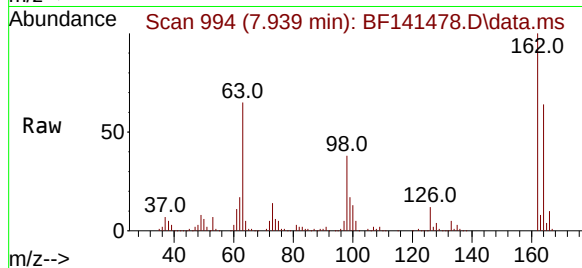
Tgt Ion:162 Resp: 301959

Ion Ratio Lower Upper

162 100

164 63.7 44.6 84.6

98 38.4 17.2 57.2



#30

1,2,4-Trichlorobenzene

Concen: 59.561 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

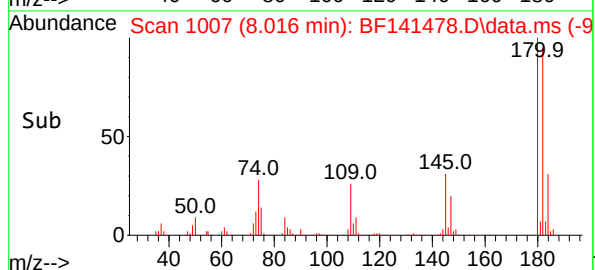
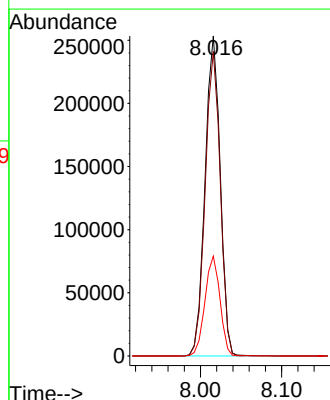
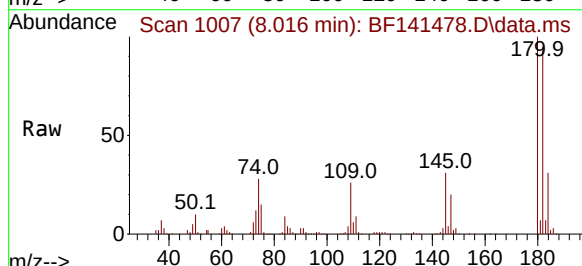
Tgt Ion:180 Resp: 328150

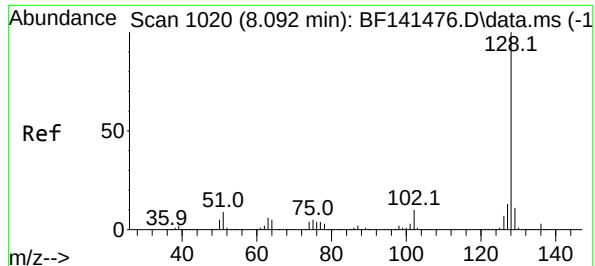
Ion Ratio Lower Upper

180 100

182 95.2 76.8 115.2

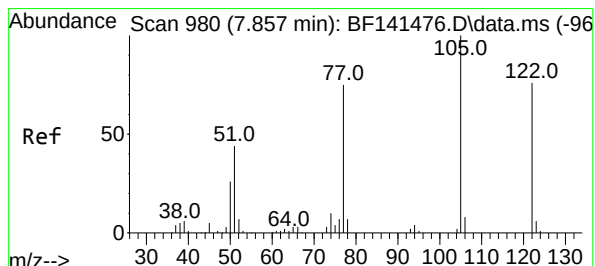
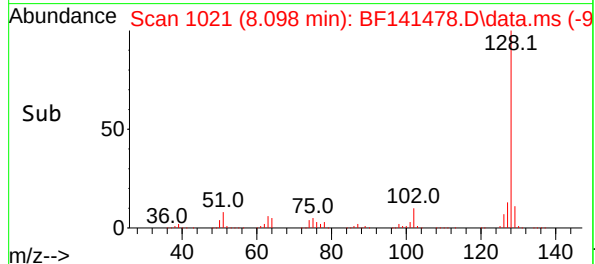
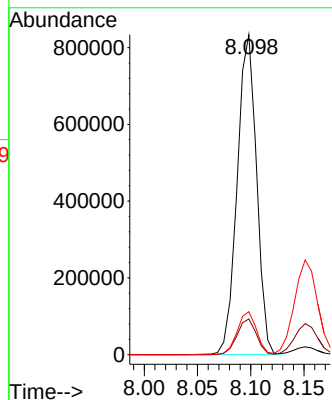
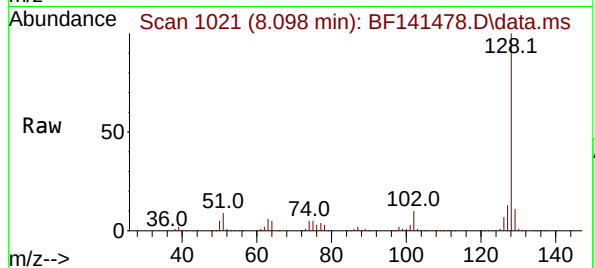
145 31.2 24.2 36.4





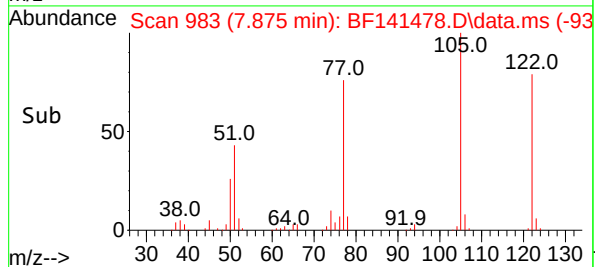
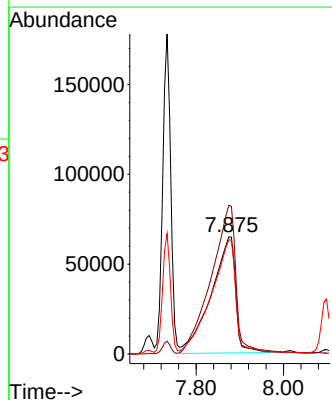
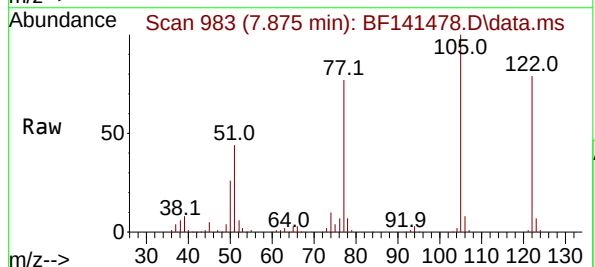
#31
Naphthalene
Concen: 58.889 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

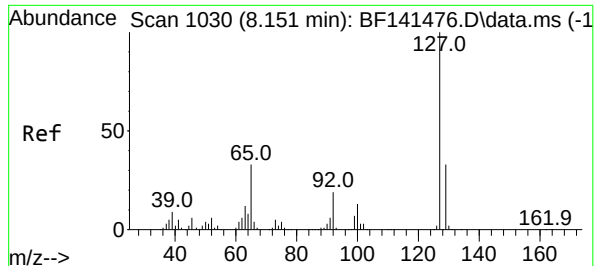
Tgt Ion:128 Resp: 1056367
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 64.532 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

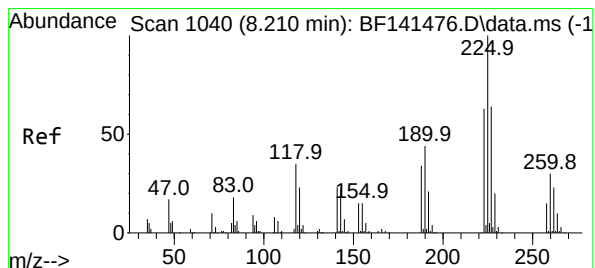
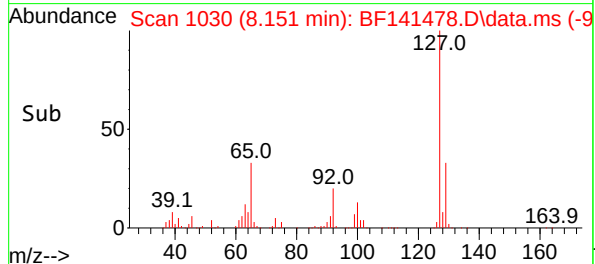
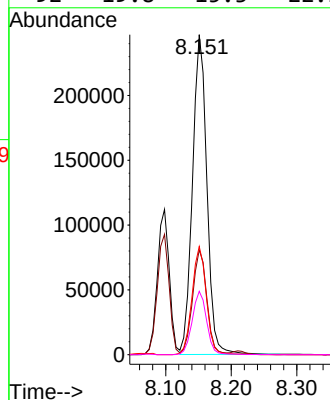
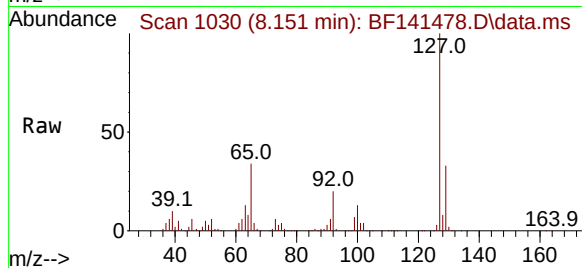
Tgt Ion:122 Resp: 250995
Ion Ratio Lower Upper
122 100
105 127.0 106.5 146.5
77 97.7 76.3 116.3





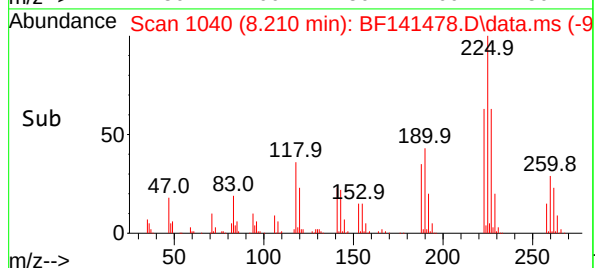
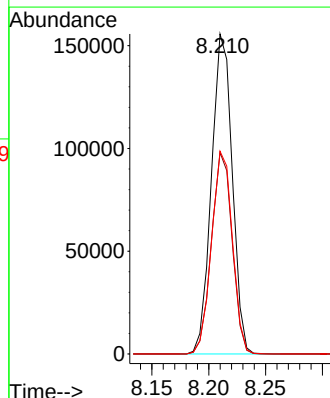
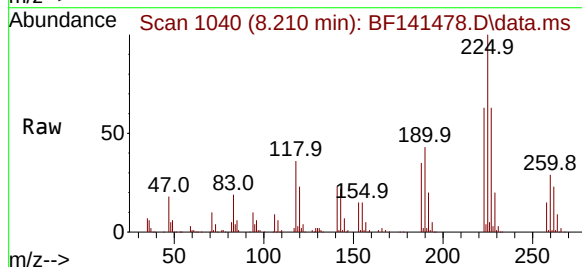
#33
4-Chloroaniline
Concen: 60.070 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

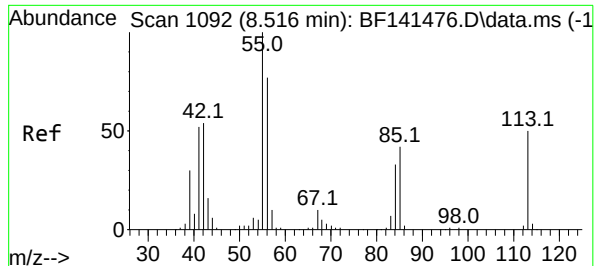
Tgt Ion:	127	Resp:	376211
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.5	39.7
65	33.8	26.4	39.6
92	19.8	15.3	22.9



#34
Hexachlorobutadiene
Concen: 59.849 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

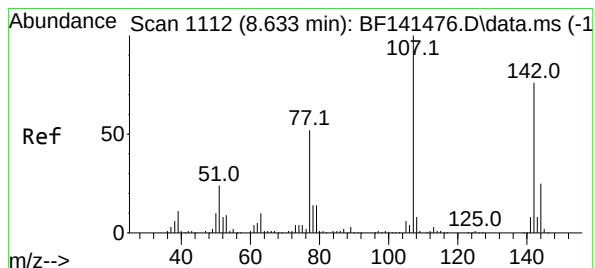
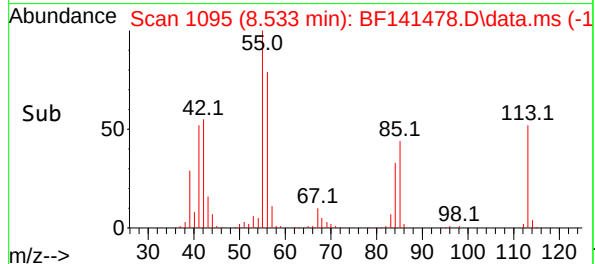
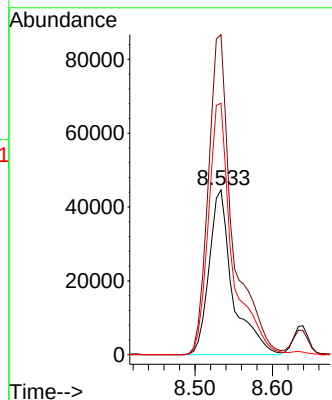
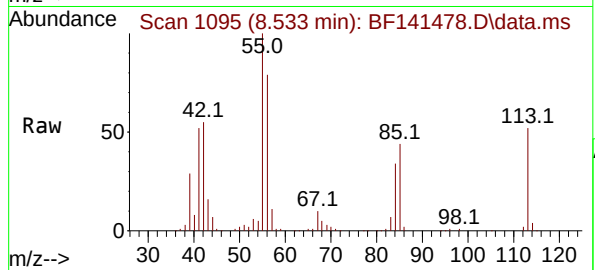
Tgt Ion:	225	Resp:	197955
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.4	51.0	76.6





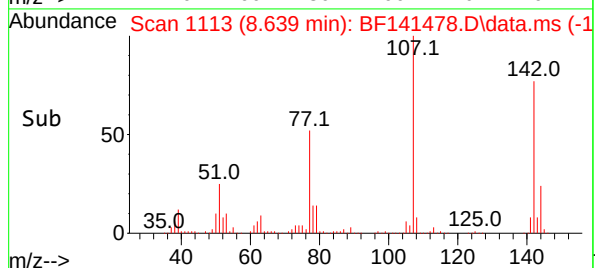
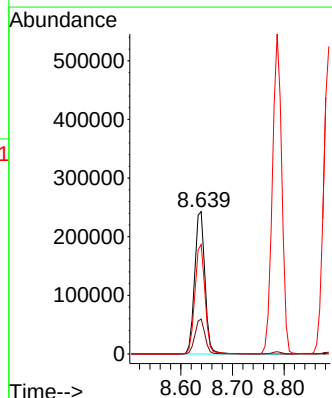
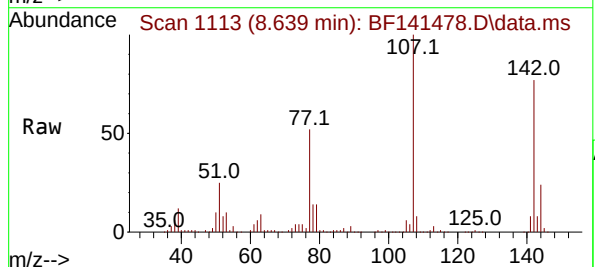
#35
Caprolactam
Concen: 61.291 ng
RT: 8.533 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

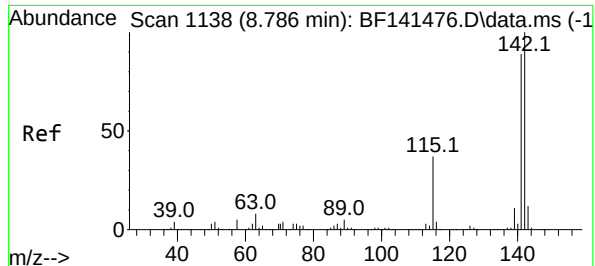
Tgt Ion	Ratio	Lower	Upper
113	100		
55	194.1	180.8	220.8
56	152.5	133.6	173.6



#36
4-Chloro-3-methylphenol
Concen: 59.935 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

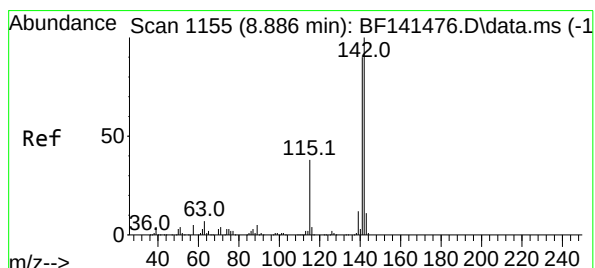
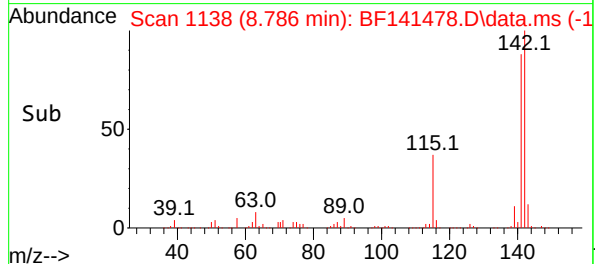
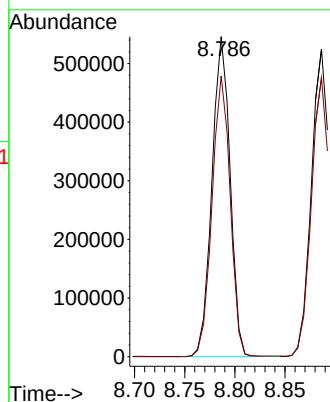
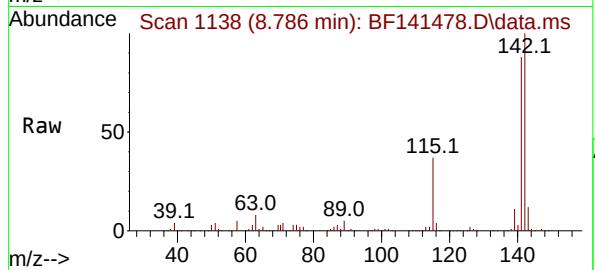
Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.7	29.5
142	76.8	60.8	91.2





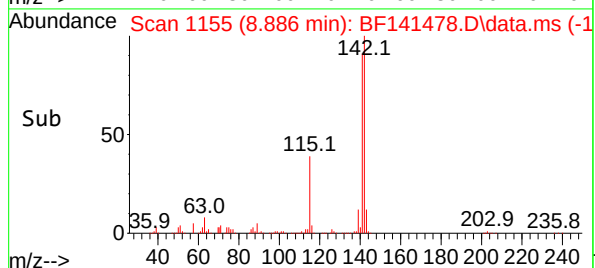
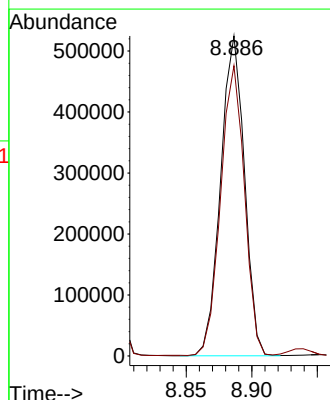
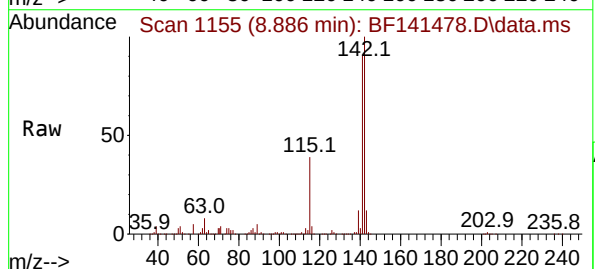
#37
2-Methylnaphthalene
Concen: 58.941 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

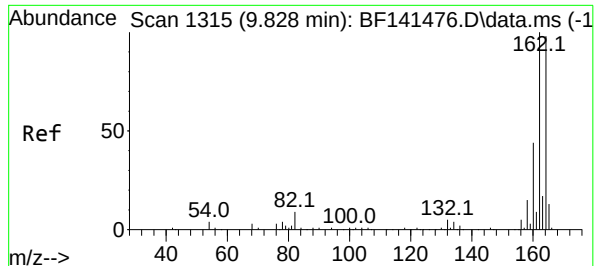
Tgt Ion:142 Resp: 688021
Ion Ratio Lower Upper
142 100
141 87.7 71.2 106.8



#38
1-Methylnaphthalene
Concen: 58.522 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:142 Resp: 661628
Ion Ratio Lower Upper
142 100
141 90.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

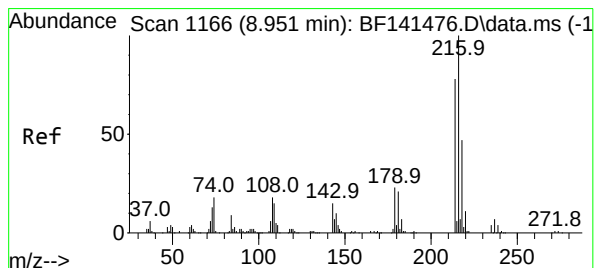
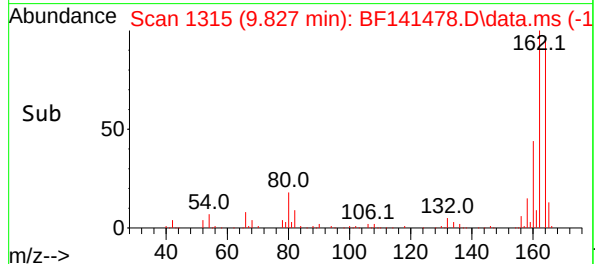
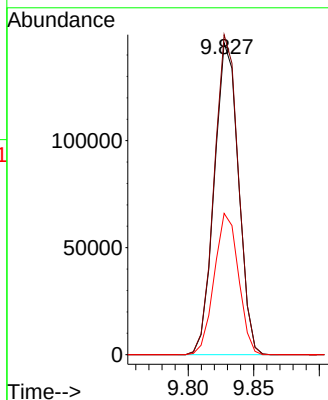
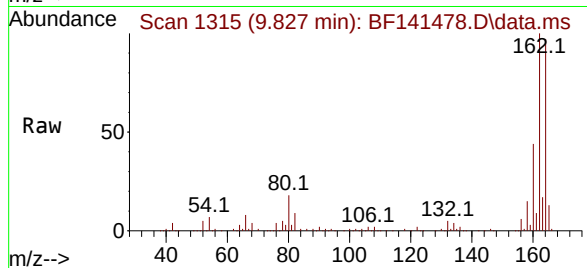
Tgt Ion:164 Resp: 186729

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

160 45.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 59.560 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:216 Resp: 321763

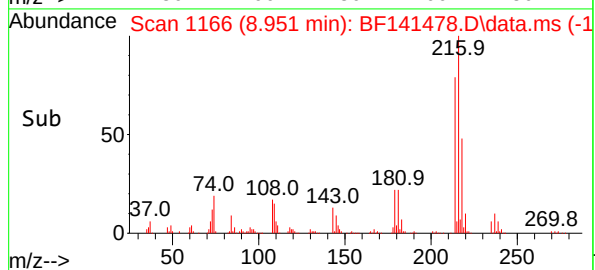
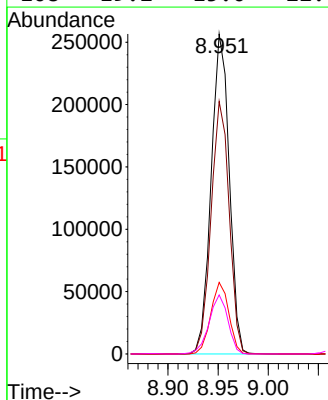
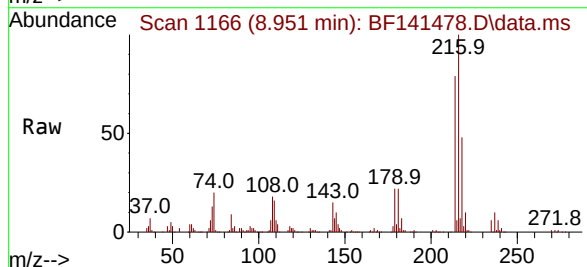
Ion Ratio Lower Upper

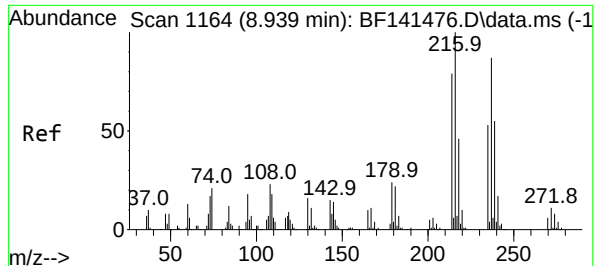
216 100

214 79.0 62.3 93.5

179 22.3 18.0 27.0

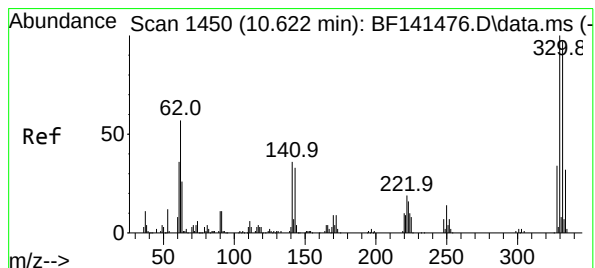
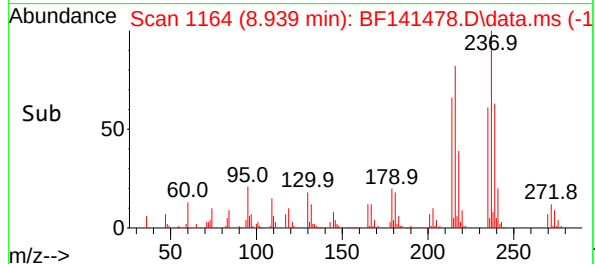
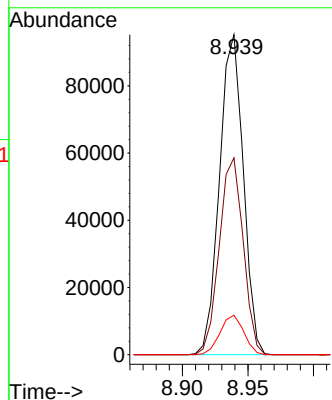
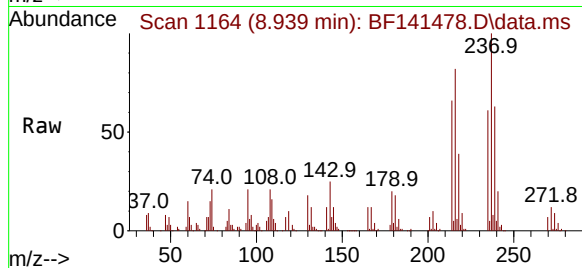
108 19.2 15.0 22.6





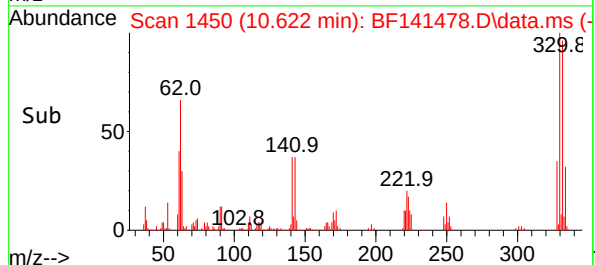
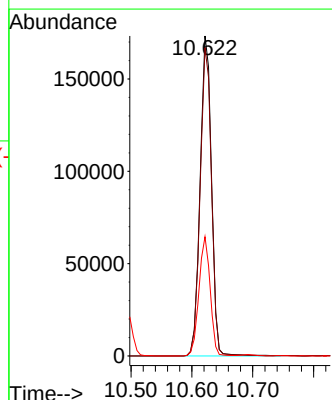
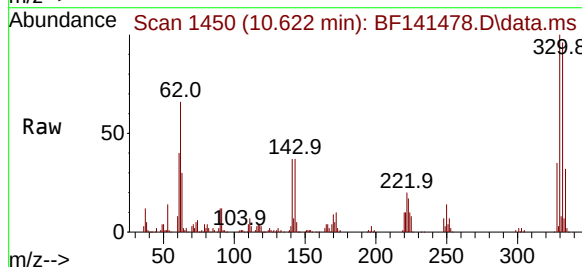
#41
Hexachlorocyclopentadiene
Concen: 66.819 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

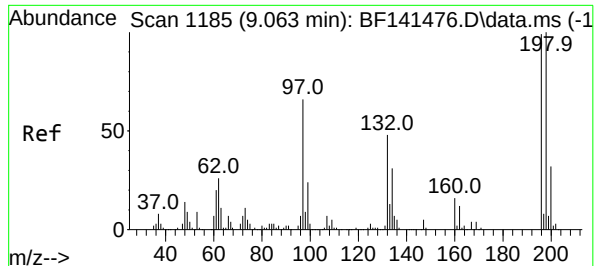
Tgt Ion:237 Resp: 120063
Ion Ratio Lower Upper
237 100
235 61.5 41.4 81.4
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 119.976 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

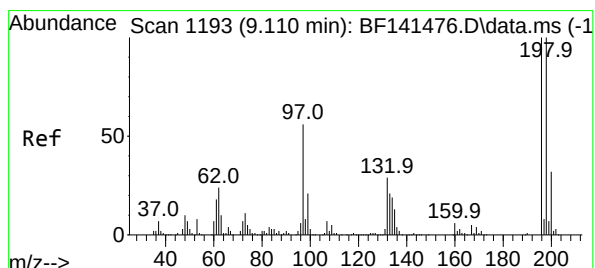
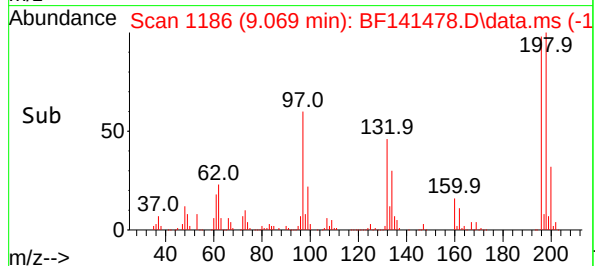
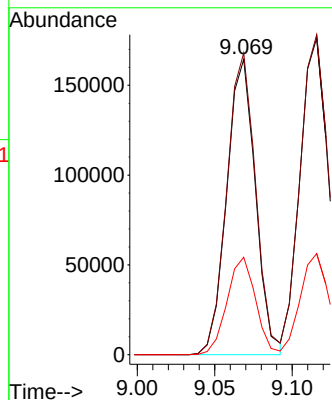
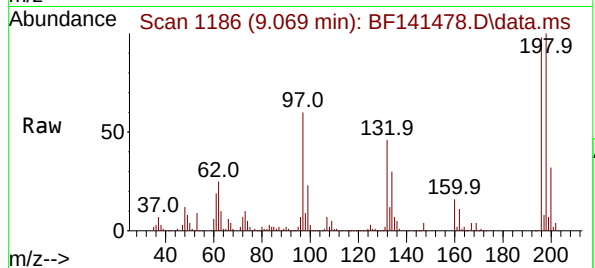
Tgt Ion:330 Resp: 225049
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 36.9 31.0 46.4





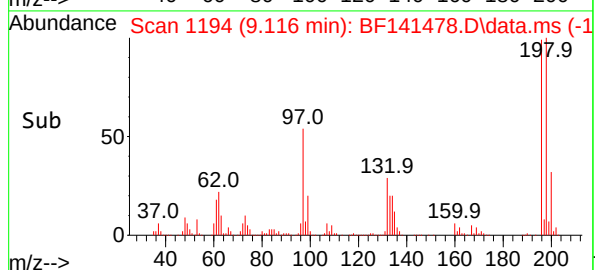
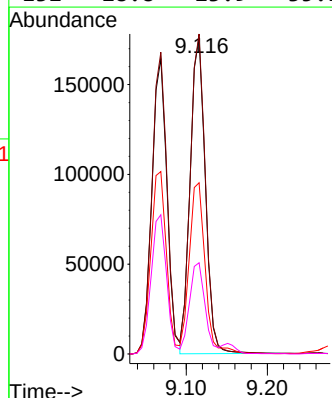
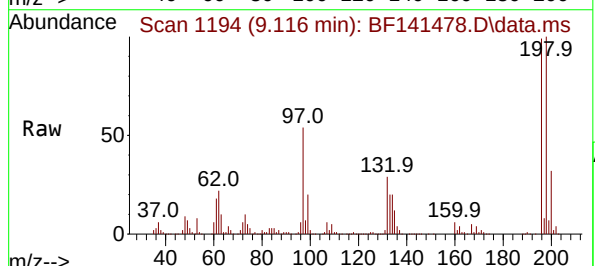
#43
2,4,6-Trichlorophenol
Concen: 60.632 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

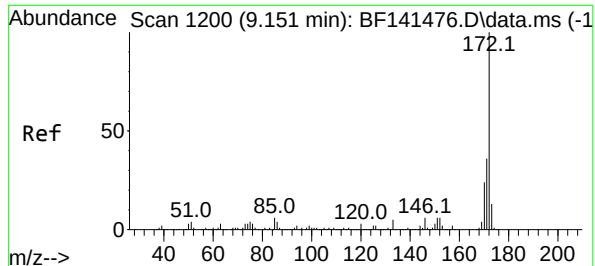
Tgt Ion:196 Resp: 211702
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 33.0 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 60.519 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

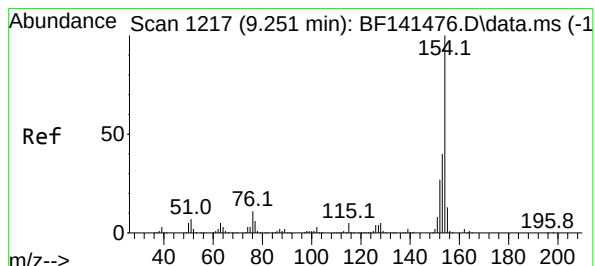
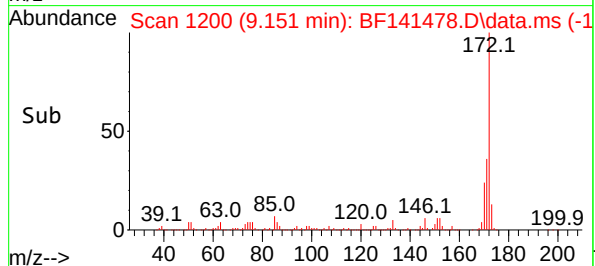
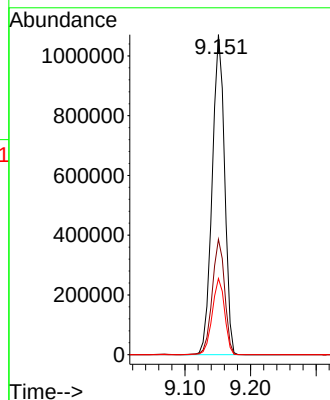
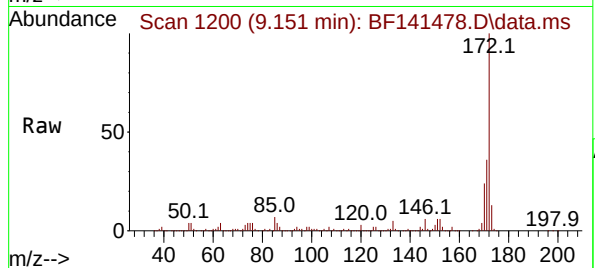
Tgt Ion:196 Resp: 229006
Ion Ratio Lower Upper
196 100
198 101.1 79.8 119.8
97 54.1 44.8 67.2
132 28.8 23.9 35.9





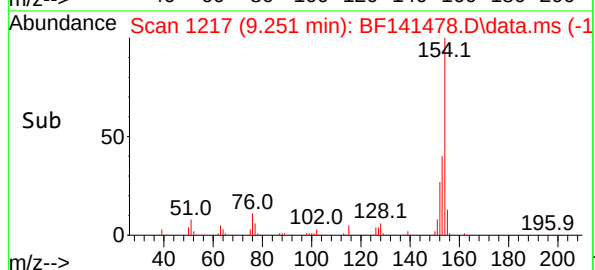
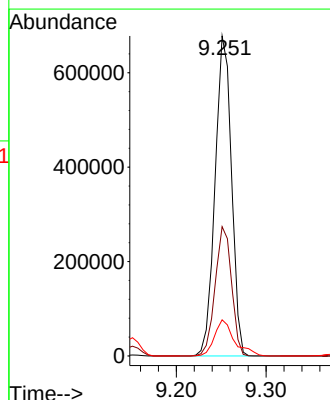
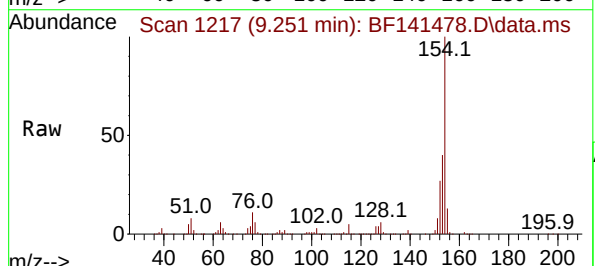
#45
2-Fluorobiphenyl
Concen: 116.358 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

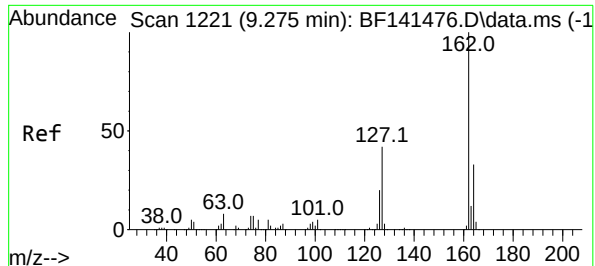
Tgt Ion:172 Resp: 1410277
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.8 18.9 28.3



#46
1,1'-Biphenyl
Concen: 59.479 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

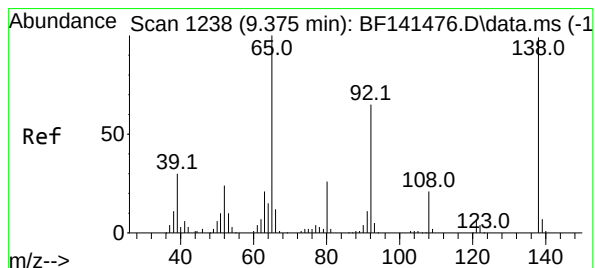
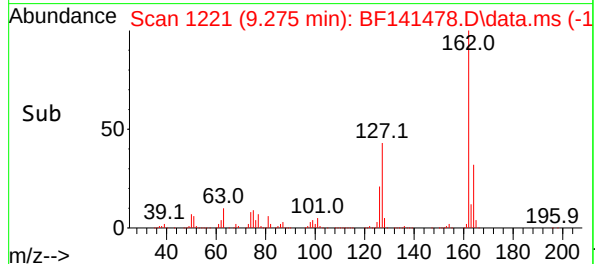
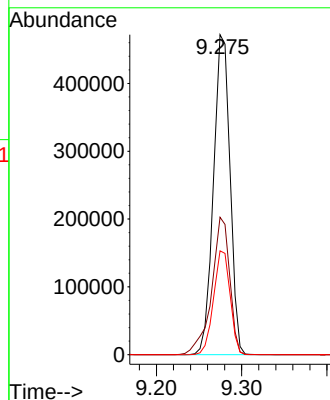
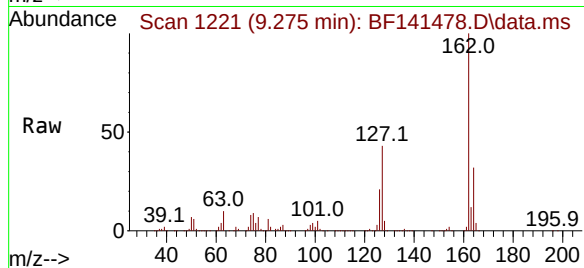
Tgt Ion:154 Resp: 861067
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 11.3 0.0 30.8





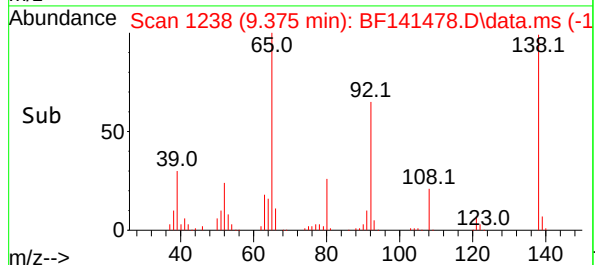
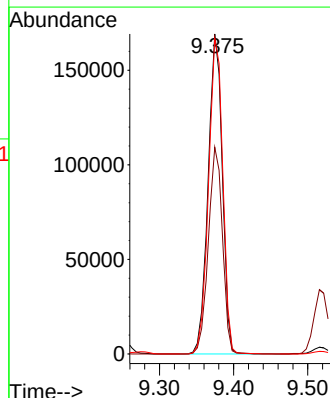
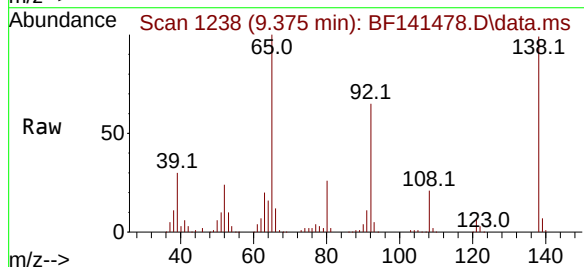
#47
2-Chloronaphthalene
Concen: 59.459 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

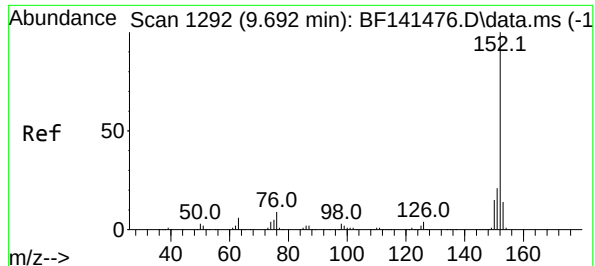
Tgt Ion:162 Resp: 636511
Ion Ratio Lower Upper
162 100
127 43.0 34.1 51.1
164 32.5 26.3 39.5



#48
2-Nitroaniline
Concen: 62.547 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion: 65 Resp: 224709
Ion Ratio Lower Upper
65 100
92 64.6 52.2 78.2
138 98.7 79.5 119.3





#49

Acenaphthylene

Concen: 59.436 ng

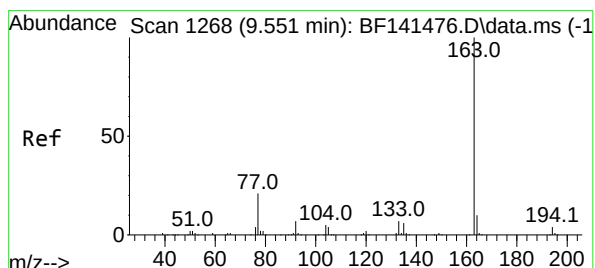
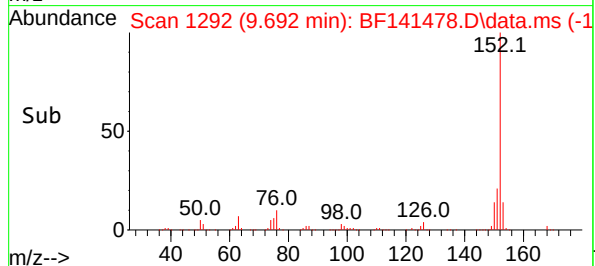
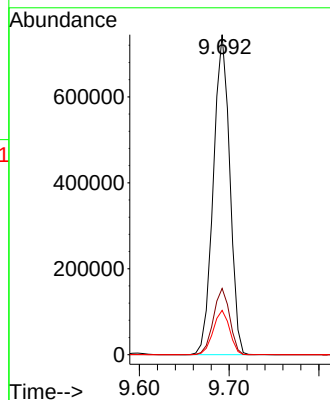
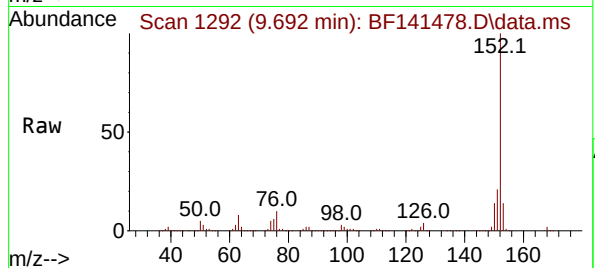
RT: 9.692 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:152	Resp: 946382
Ion Ratio	Lower Upper
152	100
151	20.7 16.4 24.6
153	13.8 10.9 16.3



#50

Dimethylphthalate

Concen: 59.253 ng

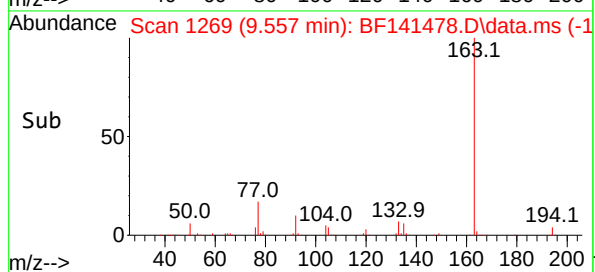
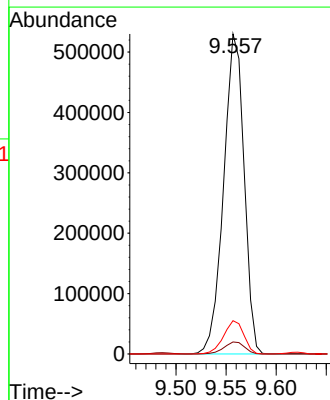
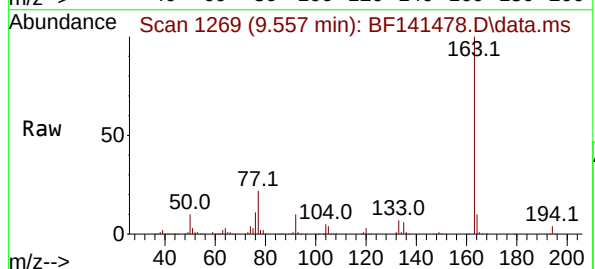
RT: 9.557 min Scan# 1269

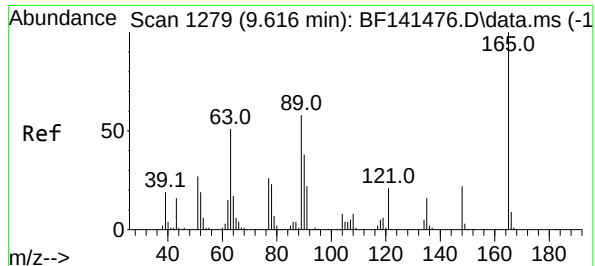
Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

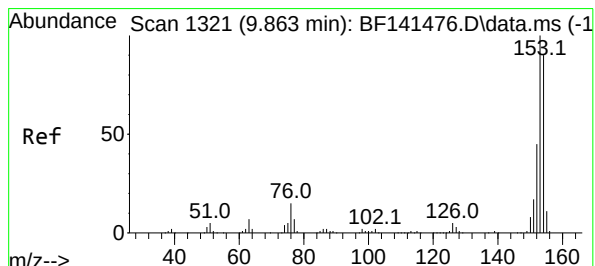
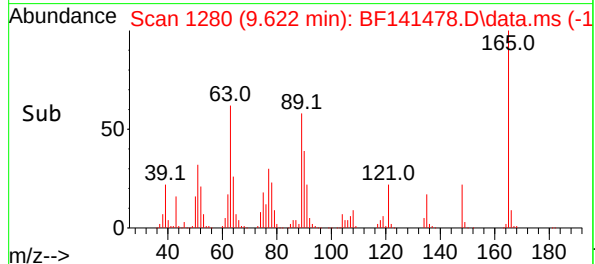
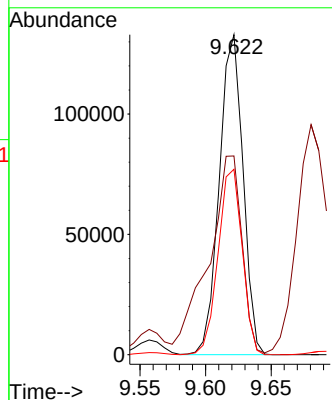
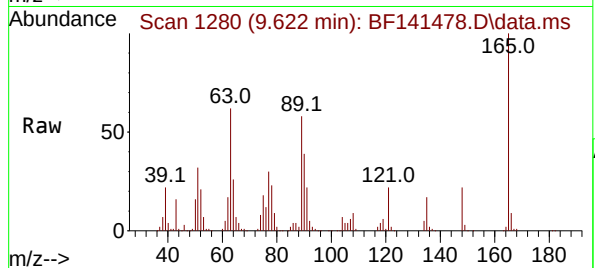
Tgt Ion:163	Resp: 751128
Ion Ratio	Lower Upper
163	100
194	3.8 3.0 4.4
164	10.4 7.9 11.9





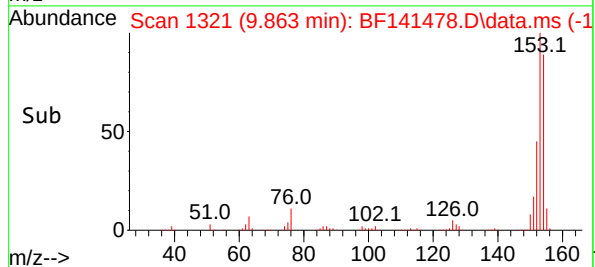
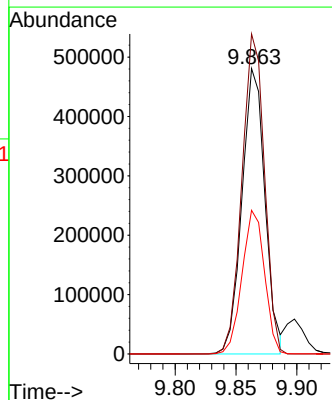
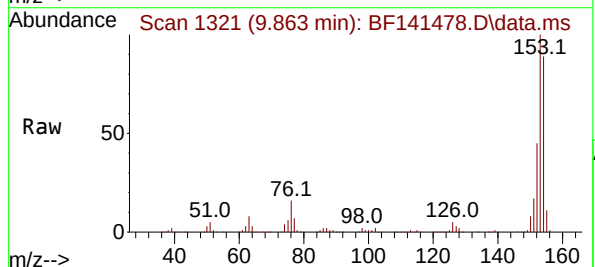
#51
2,6-Dinitrotoluene
Concen: 60.403 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

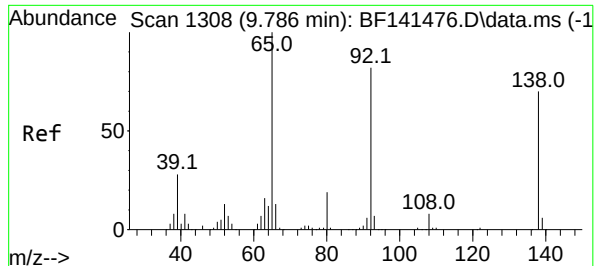
Tgt Ion:165 Resp: 167387
Ion Ratio Lower Upper
165 100
63 62.1 49.4 74.0
89 58.0 46.5 69.7



#52
Acenaphthene
Concen: 58.974 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

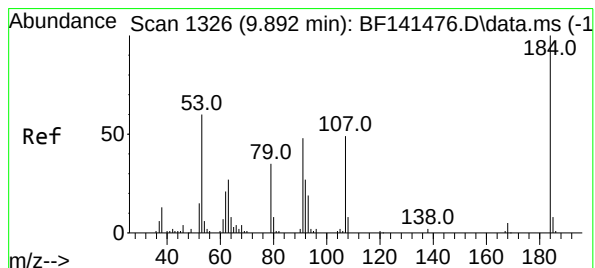
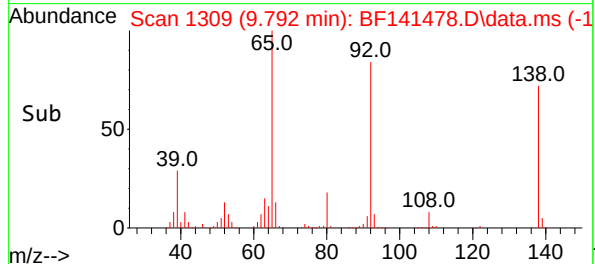
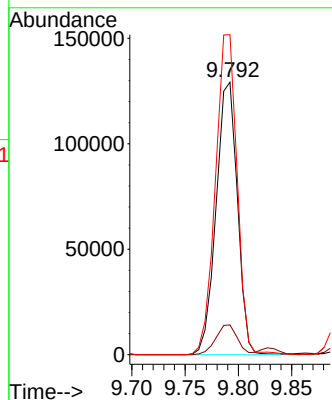
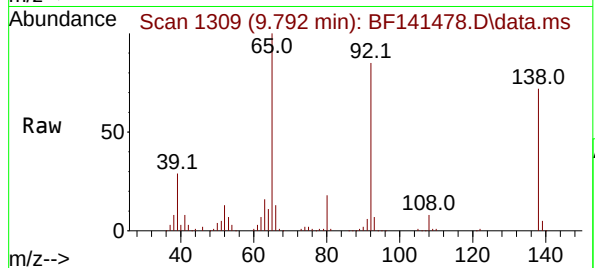
Tgt Ion:154 Resp: 631289
Ion Ratio Lower Upper
154 100
153 112.1 89.2 133.8
152 50.3 39.8 59.8





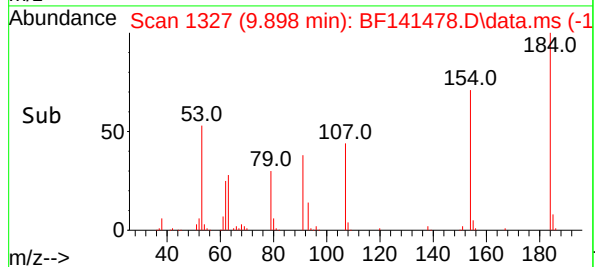
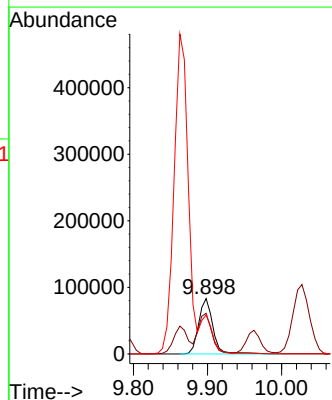
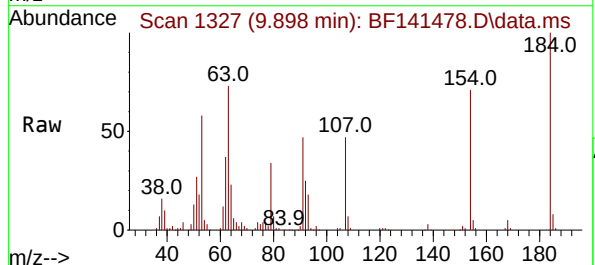
#53
3-Nitroaniline
Concen: 60.237 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

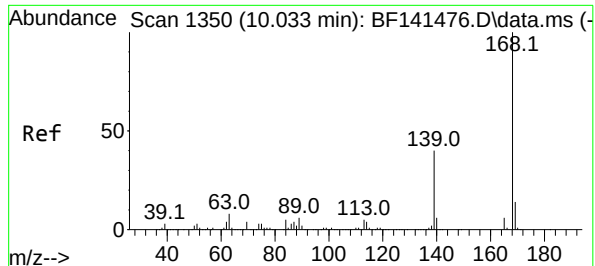
Tgt Ion:138 Resp: 179664
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.4
92 117.5 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 67.432 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

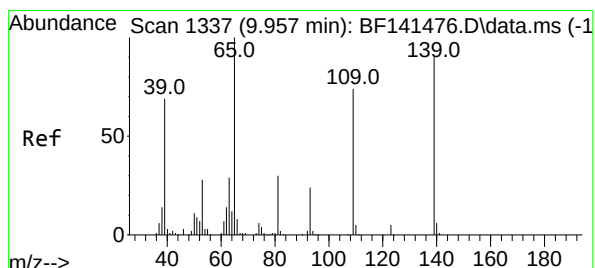
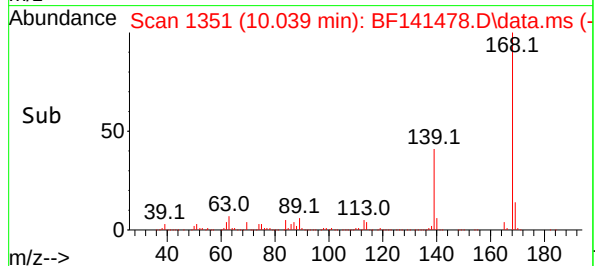
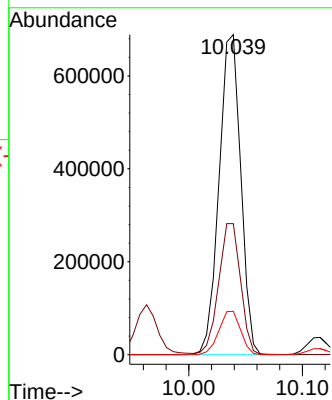
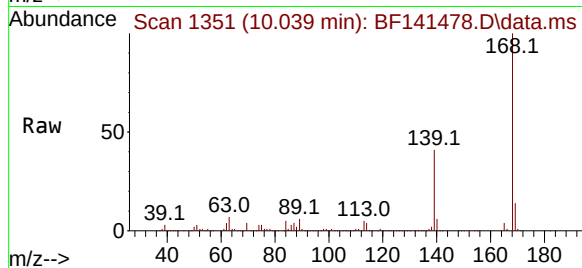
Tgt Ion:184 Resp: 111060
Ion Ratio Lower Upper
184 100
63 73.3 61.0 91.6
154 70.6 59.9 89.9





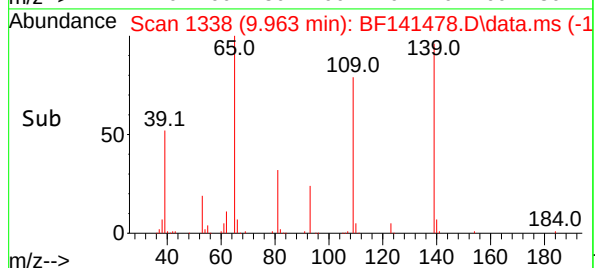
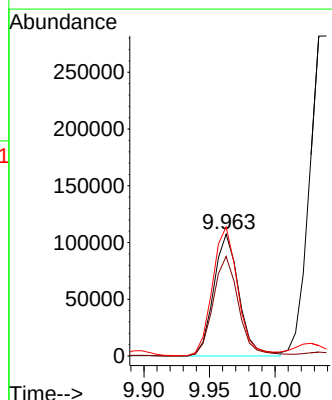
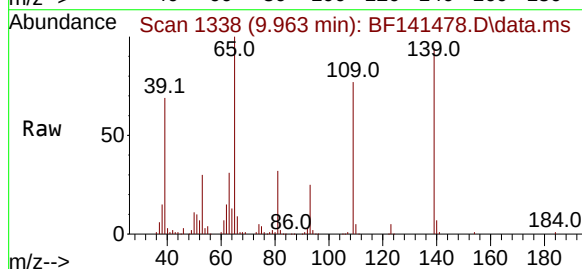
#55
Dibenzenofuran
Concen: 58.242 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

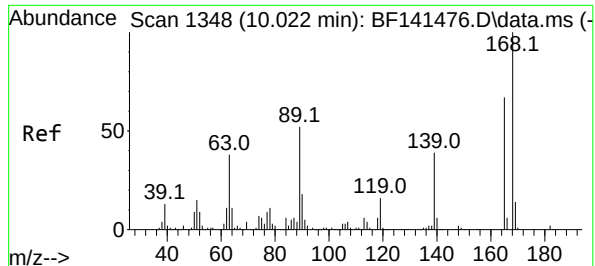
Tgt Ion:168 Resp: 915117
Ion Ratio Lower Upper
168 100
139 41.0 32.7 49.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 65.035 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

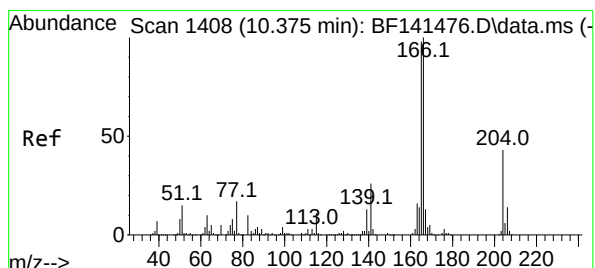
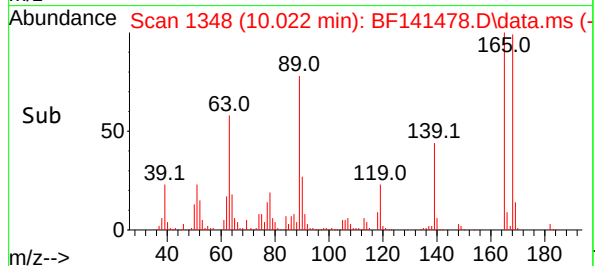
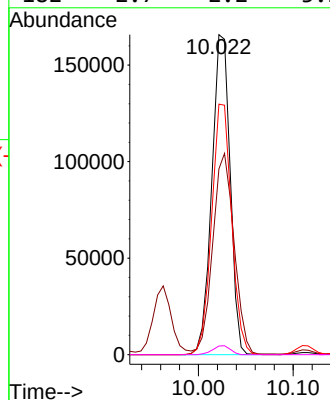
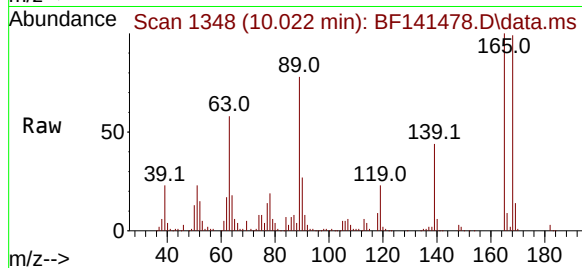
Tgt Ion:139 Resp: 143994
Ion Ratio Lower Upper
139 100
109 81.7 62.0 102.0
65 106.0 91.2 131.2





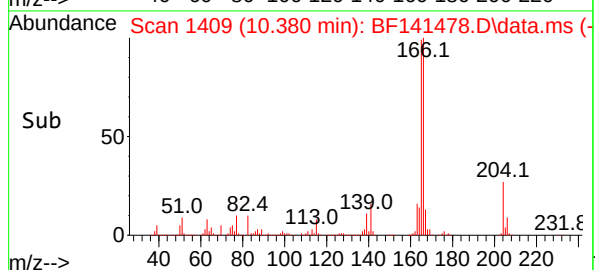
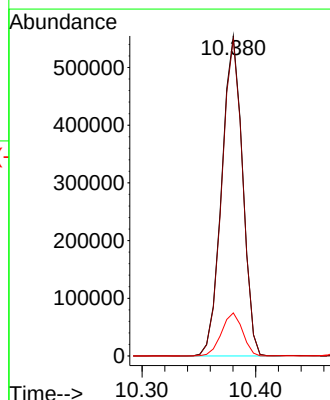
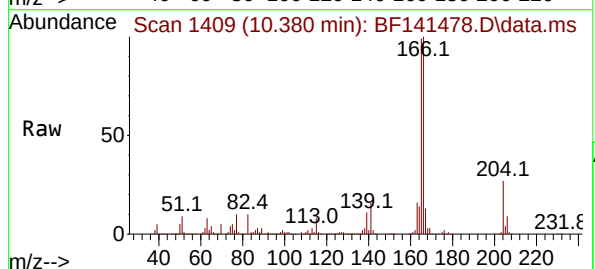
#57
2,4-Dinitrotoluene
Concen: 60.202 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.005 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

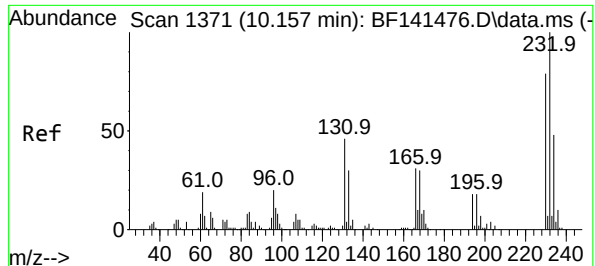
Tgt Ion:	165	Resp:	222091
Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	78.3	61.8	92.6
182	2.7	2.2	3.2



#58
Fluorene
Concen: 58.225 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:	166	Resp:	707371
Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.2
167	13.5	10.7	16.1

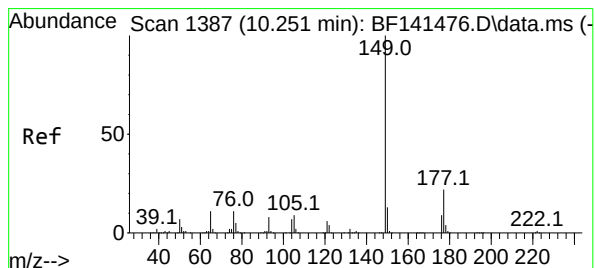
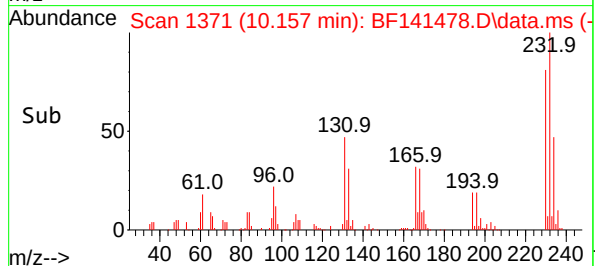
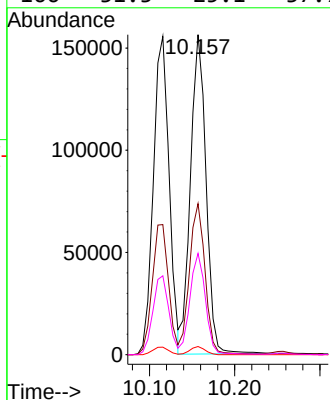
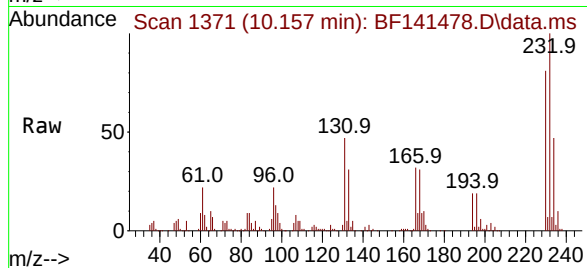




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.972 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:232 Resp: 198636

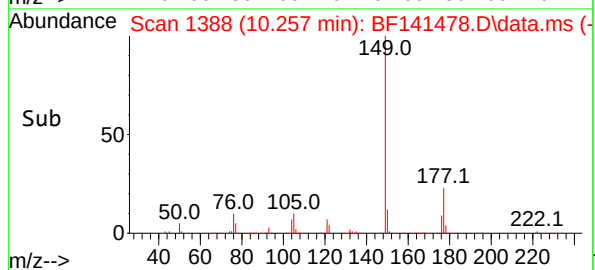
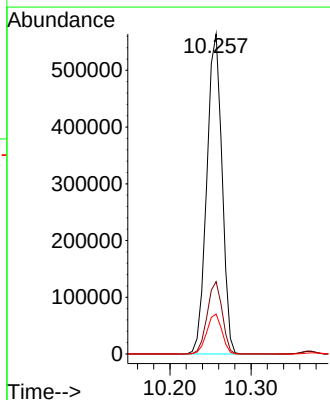
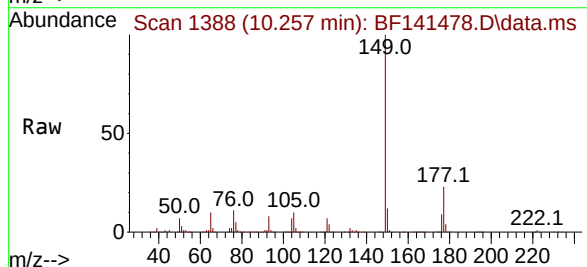
Ion	Ratio	Lower	Upper
232	100		
131	47.8	39.2	58.8
130	2.5	2.1	3.1
166	31.3	25.1	37.7

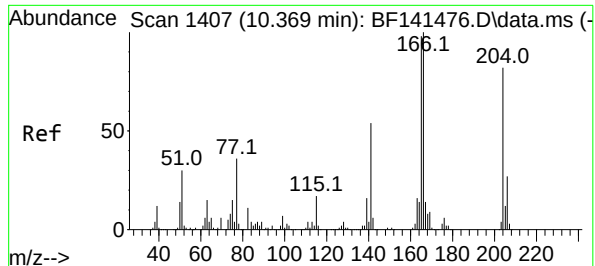


#60
Diethylphthalate
Concen: 58.755 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:149 Resp: 732804

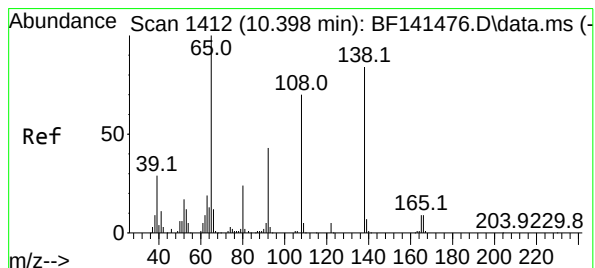
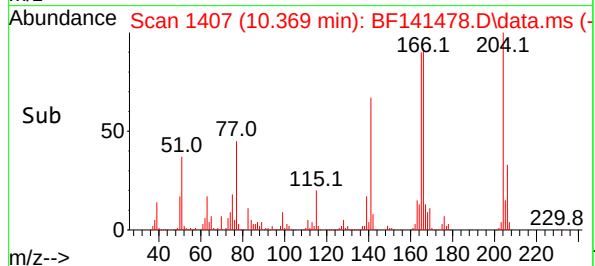
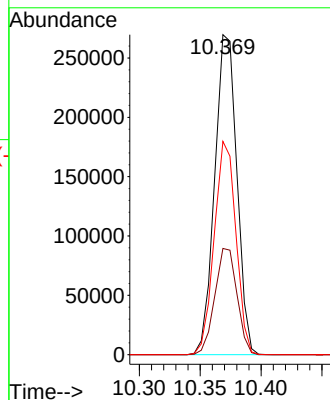
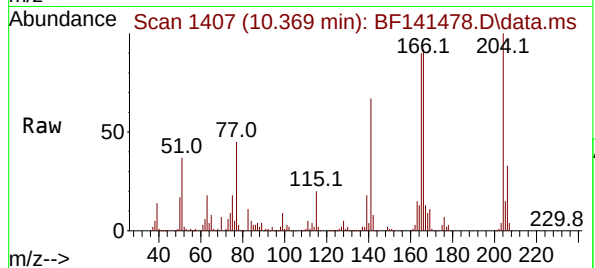
Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.6
150	12.5	10.1	15.1





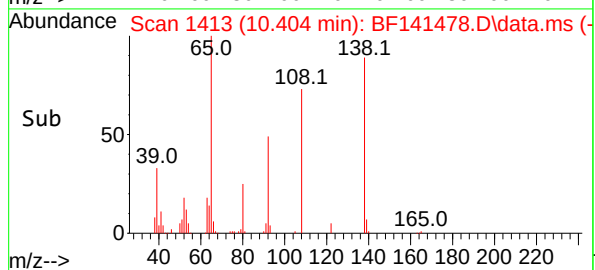
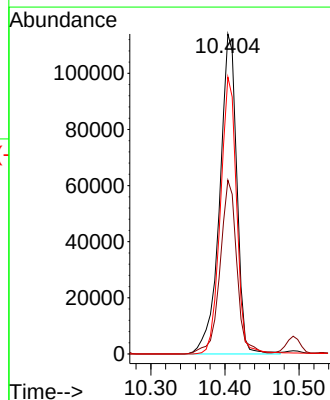
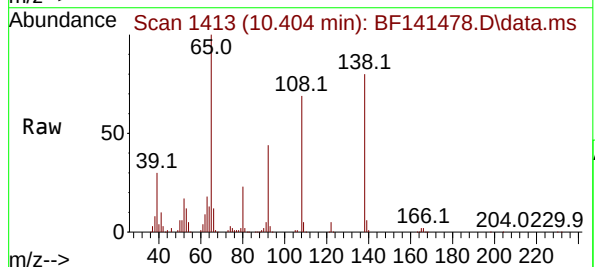
#61
4-Chlorophenyl-phenylether
Concen: 58.570 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

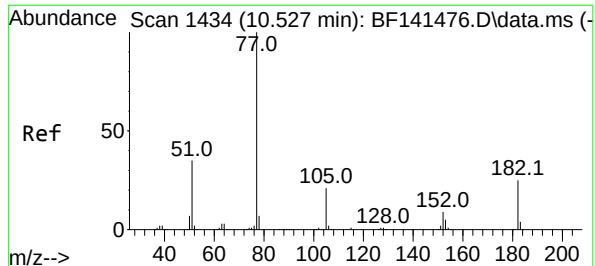
Tgt Ion:204 Resp: 342324
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 66.7 51.9 77.9



#62
4-Nitroaniline
Concen: 60.406 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

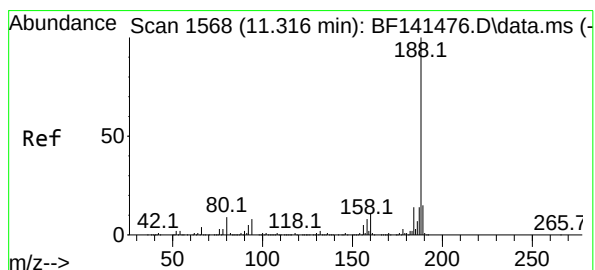
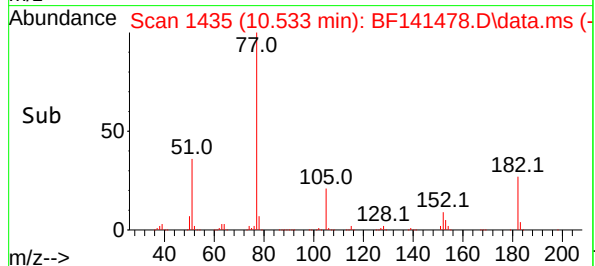
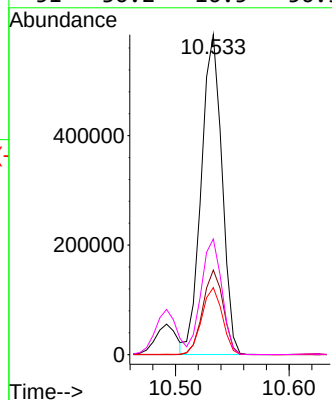
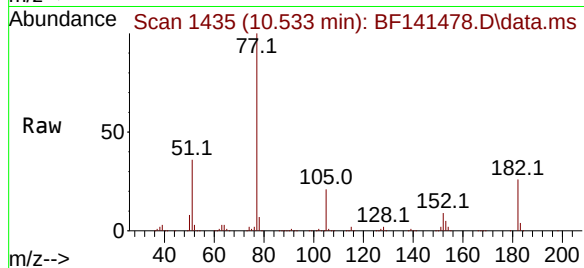
Tgt Ion:138 Resp: 182946
Ion Ratio Lower Upper
138 100
92 54.3 31.3 71.3
108 86.6 63.7 103.7





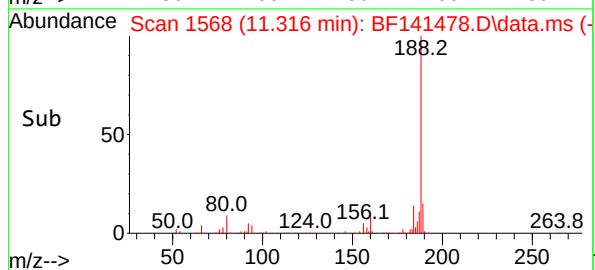
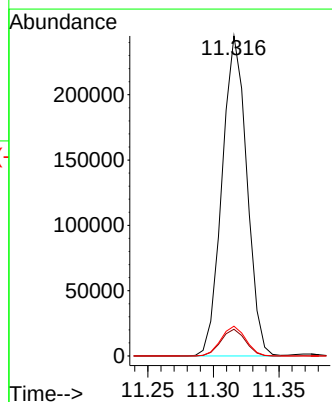
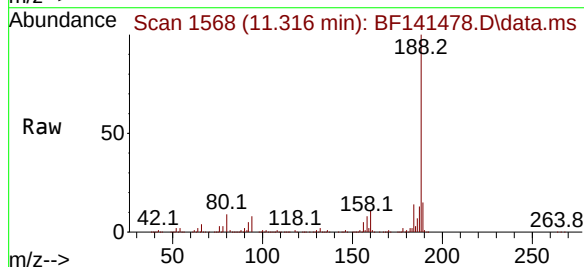
#63
Azobenzene
Concen: 59.629 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

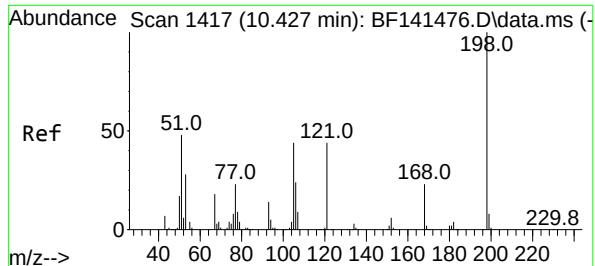
Tgt Ion: 77 Resp: 739338
Ion Ratio Lower Upper
77 100
182 26.5 4.7 44.7
105 21.0 0.4 40.4
51 36.2 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

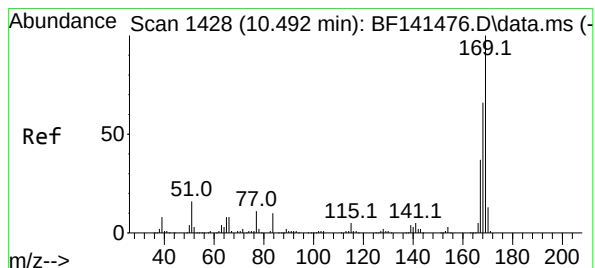
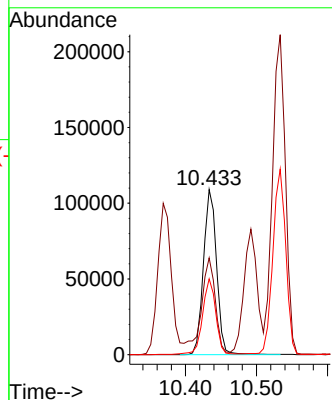
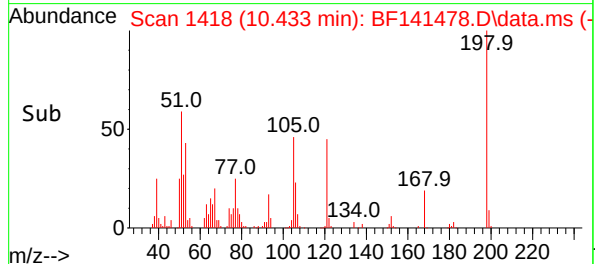
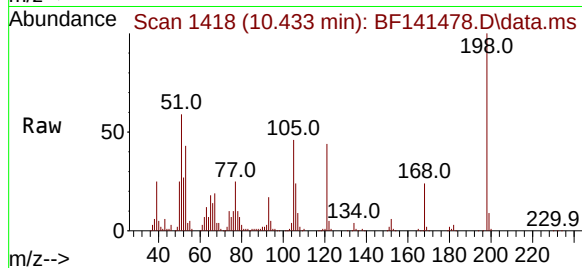
Tgt Ion: 188 Resp: 321893
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.3 7.3 10.9





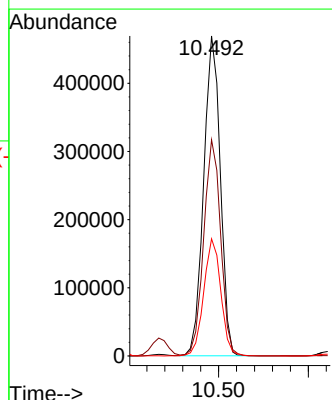
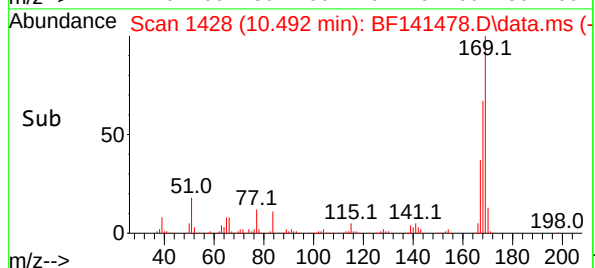
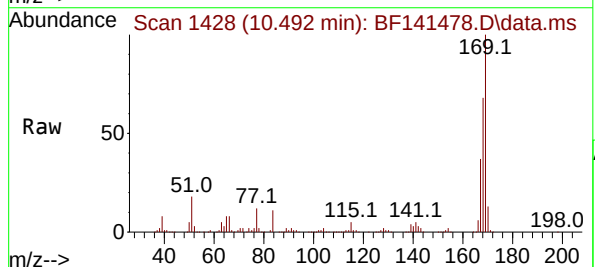
#65
4,6-Dinitro-2-methylphenol
Concen: 62.884 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

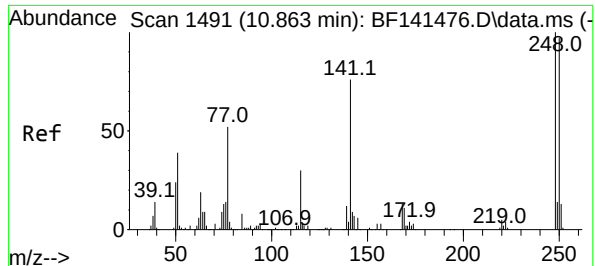
Tgt Ion:198 Resp: 140610
Ion Ratio Lower Upper
198 100
51 58.6 37.4 77.4
105 46.0 25.2 65.2



#66
n-Nitrosodiphenylamine
Concen: 58.609 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

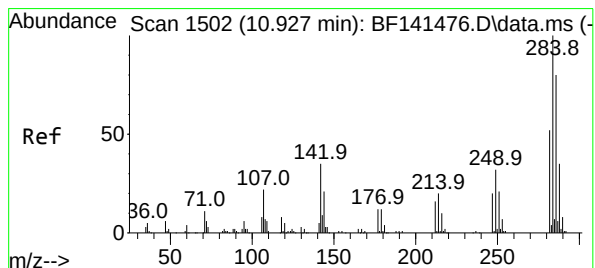
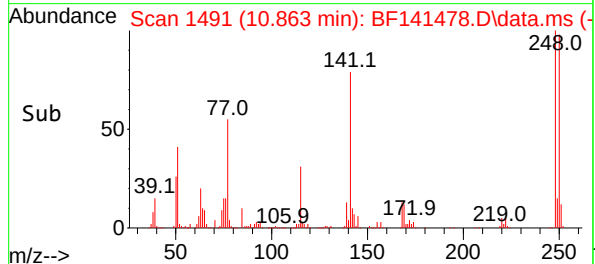
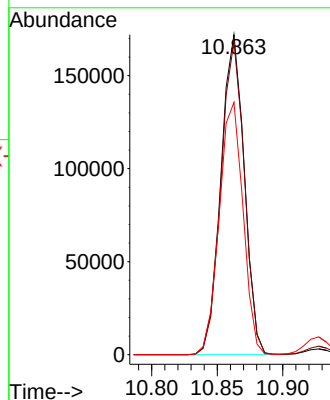
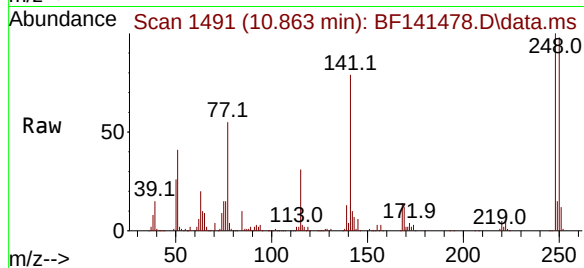
Tgt Ion:169 Resp: 603914
Ion Ratio Lower Upper
169 100
168 67.6 53.3 79.9
167 36.6 29.4 44.2





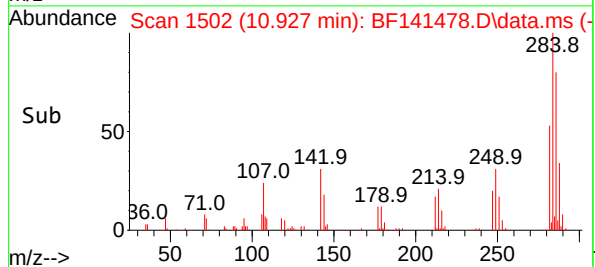
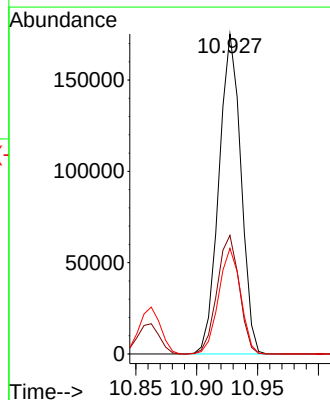
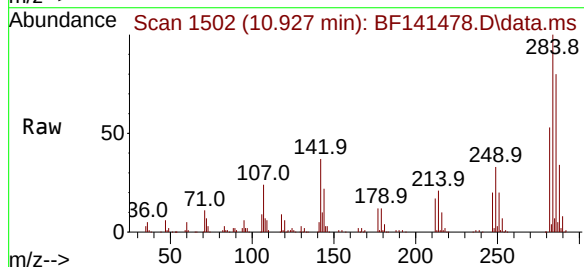
#67
4-Bromophenyl-phenylether
Concen: 59.314 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

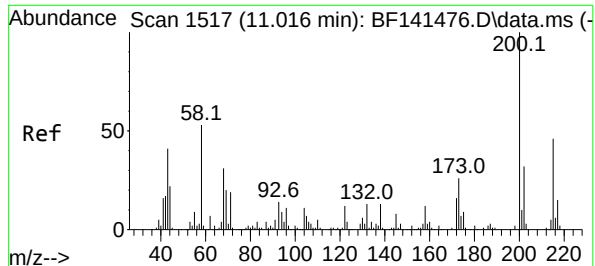
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.8	116.6
141	78.9	60.6	90.8



#68
Hexachlorobenzene
Concen: 59.552 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

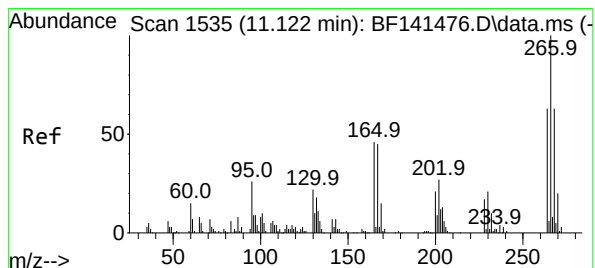
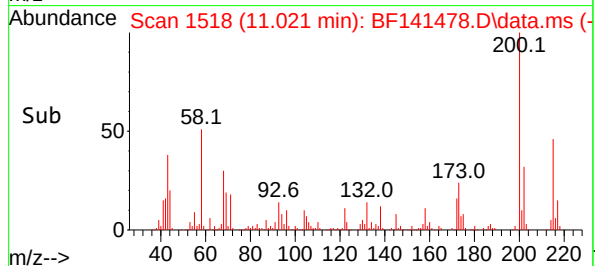
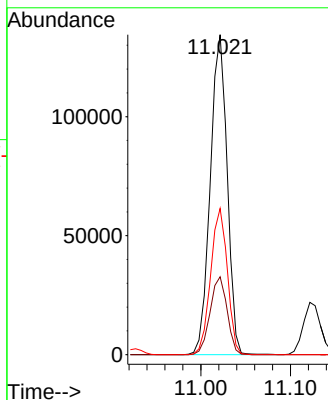
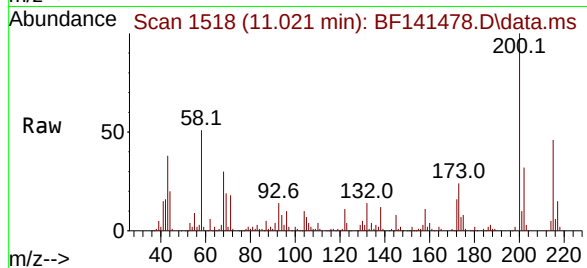
Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.0	28.0	42.0
249	33.0	25.8	38.8





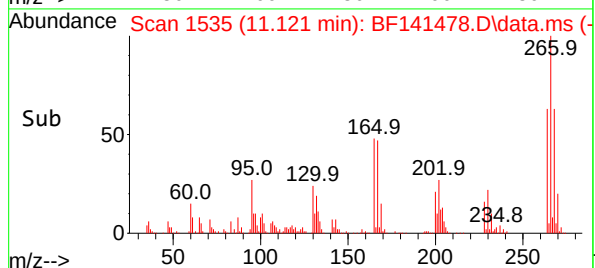
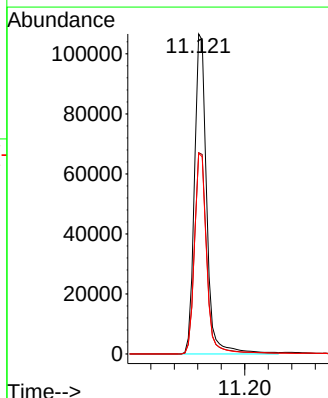
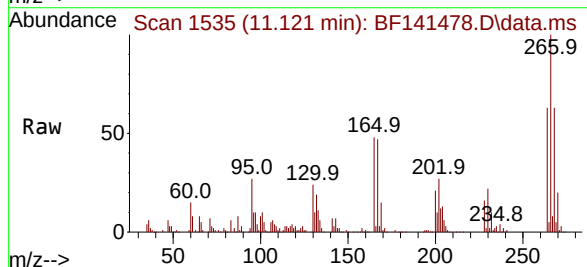
#69
Atrazine
Concen: 56.878 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

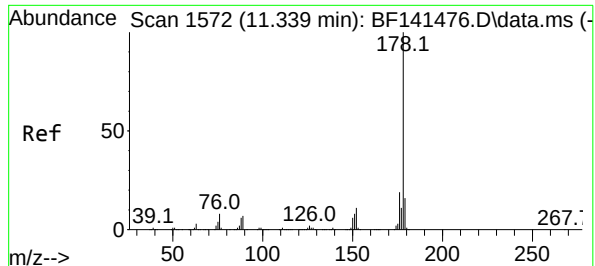
Tgt Ion:200 Resp: 175824
Ion Ratio Lower Upper
200 100
173 24.4 5.9 45.9
215 45.7 25.9 65.9



#70
Pentachlorophenol
Concen: 65.001 ng
RT: 11.121 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

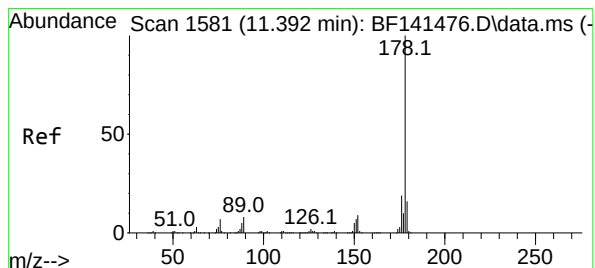
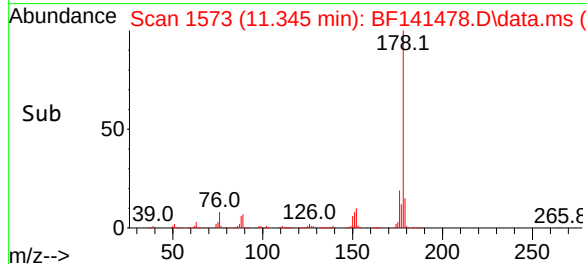
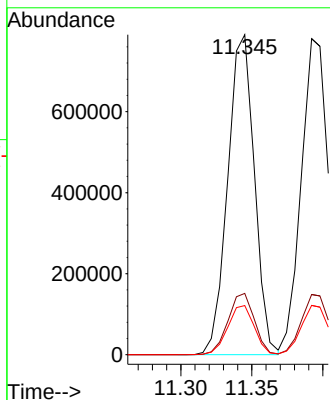
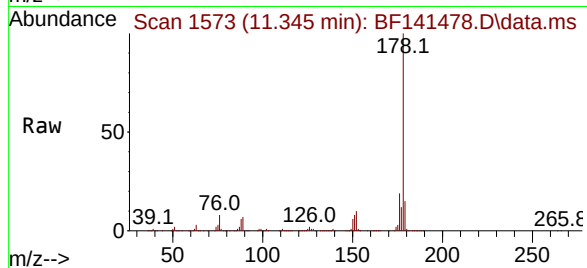
Tgt Ion:266 Resp: 153971
Ion Ratio Lower Upper
266 100
268 62.9 50.1 75.1
264 62.7 50.1 75.1





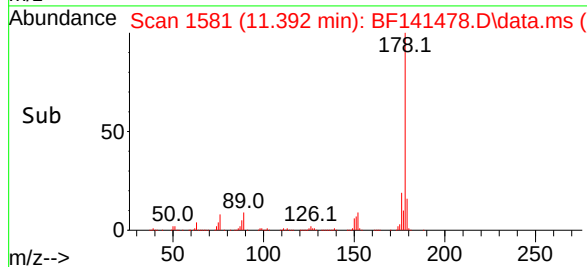
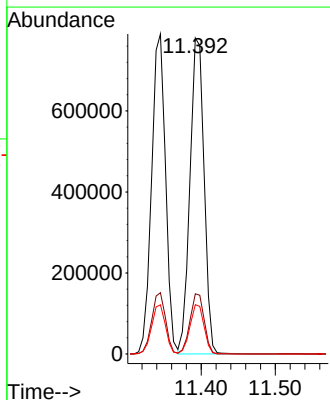
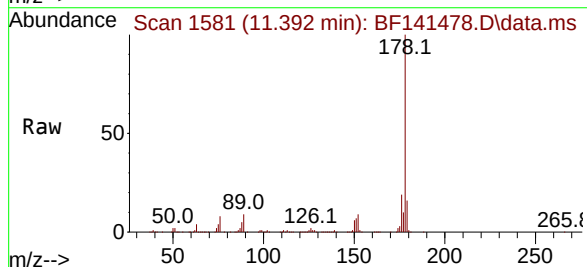
#71
Phenanthrene
Concen: 58.248 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

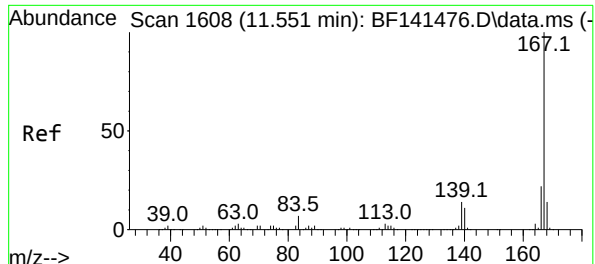
Tgt Ion:178 Resp: 1032075
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 58.062 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

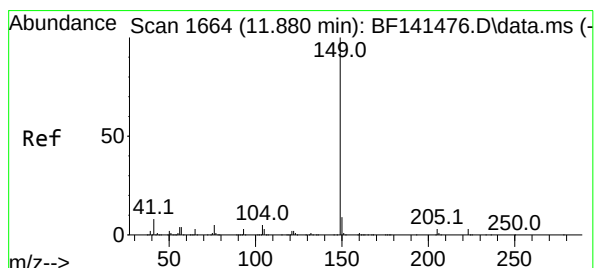
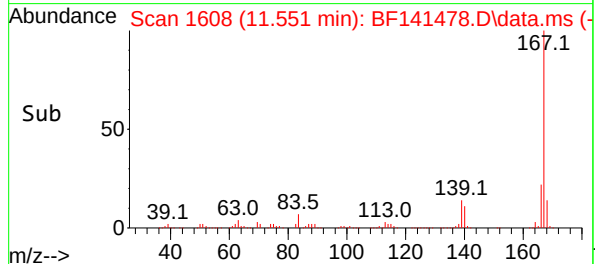
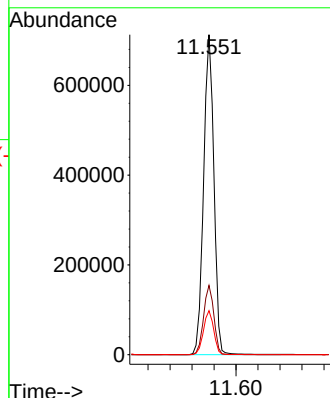
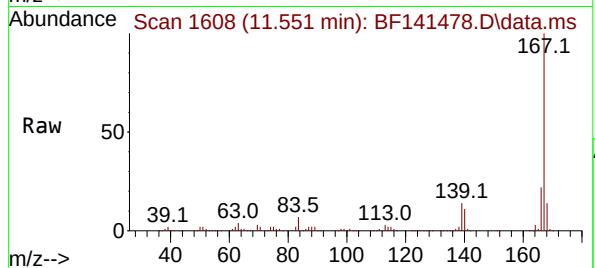
Tgt Ion:178 Resp: 1034181
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 15.6 12.4 18.6





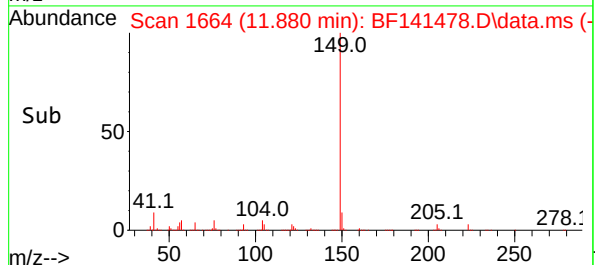
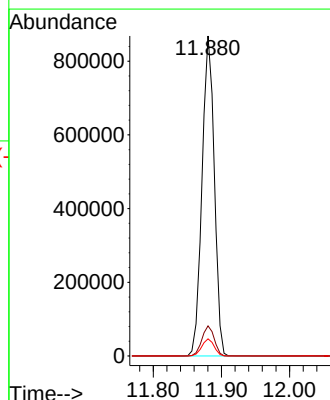
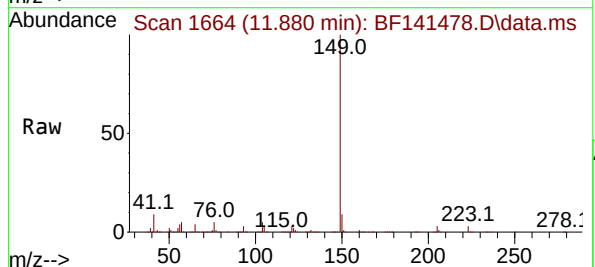
#73
Carbazole
Concen: 57.896 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

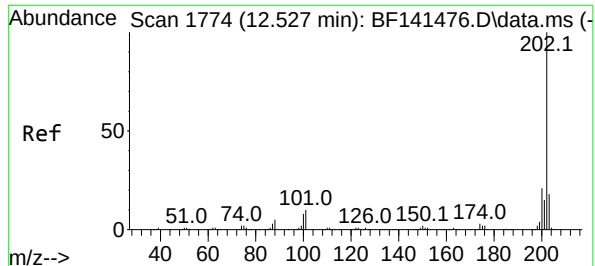
Tgt Ion:167 Resp: 927882
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.7 10.9 16.3



#74
Di-n-butylphthalate
Concen: 58.783 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

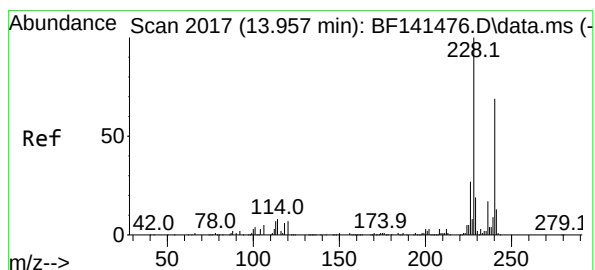
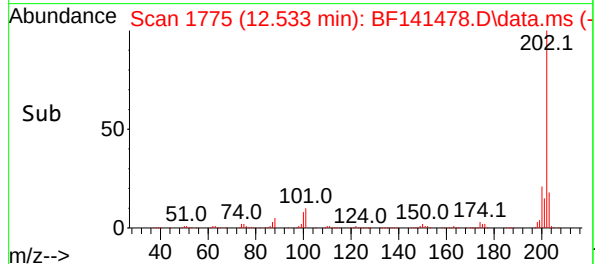
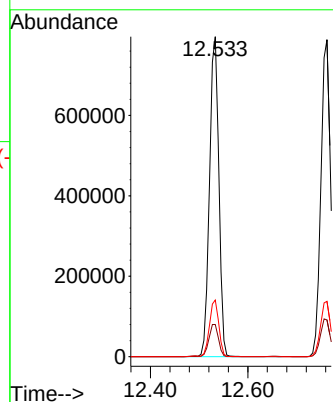
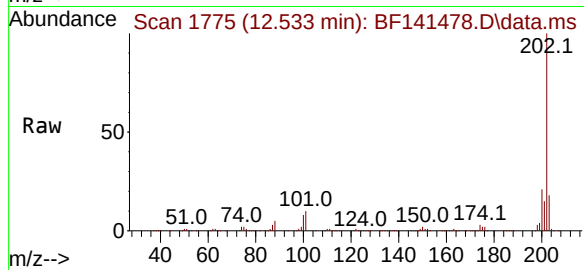
Tgt Ion:149 Resp: 1087815
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 5.4 4.2 6.2





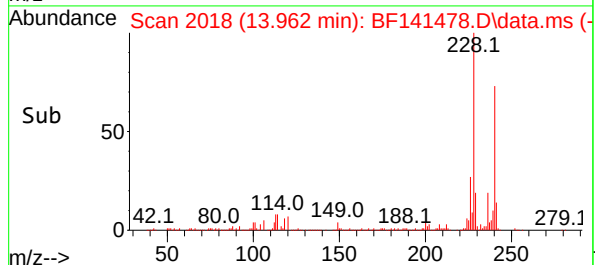
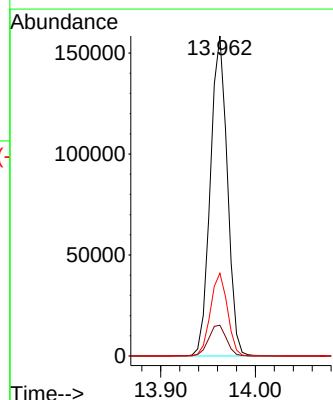
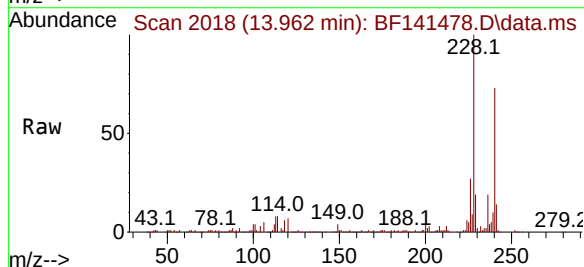
#75
Fluoranthene
Concen: 56.102 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

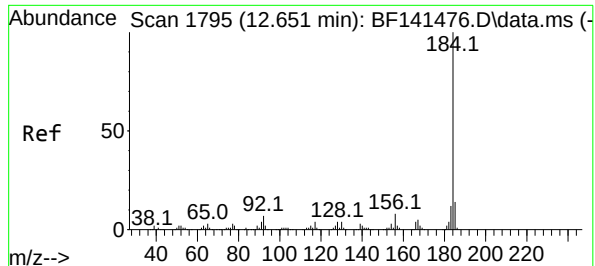
Tgt Ion:202 Resp: 1053887
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

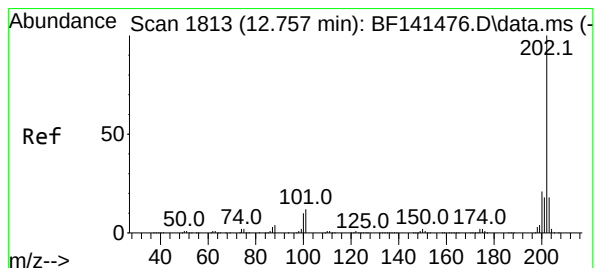
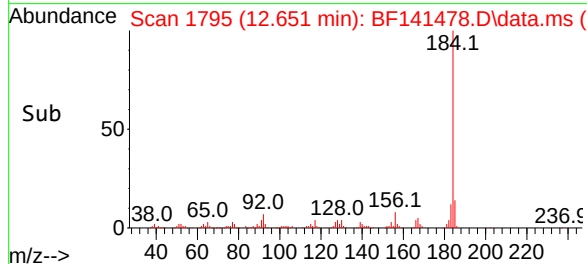
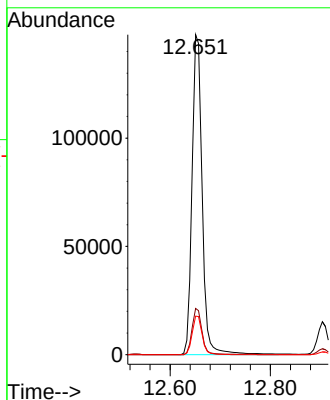
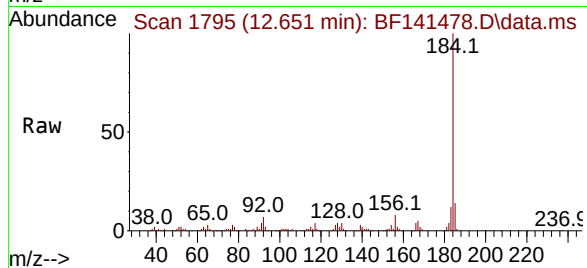
Tgt Ion:240 Resp: 197108
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.9 19.8 29.8





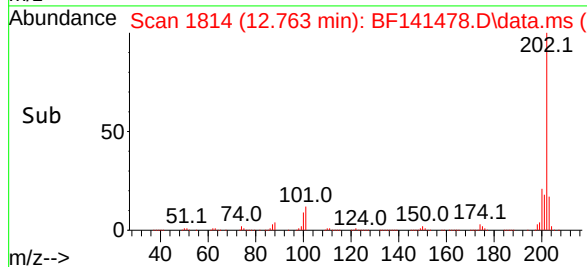
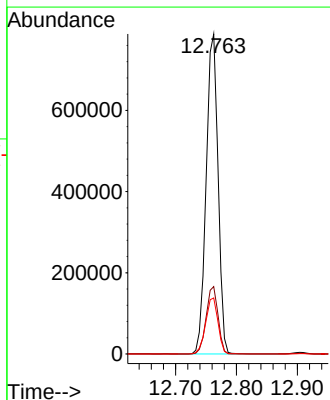
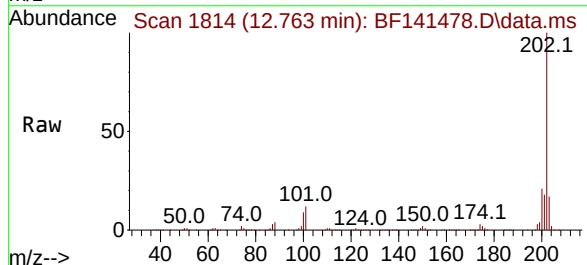
#77
Benzidine
Concen: 47.757 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

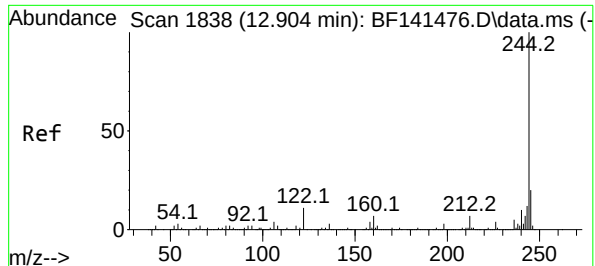
Tgt Ion:184 Resp: 207602
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 12.0 9.3 13.9



#78
Pyrene
Concen: 63.687 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

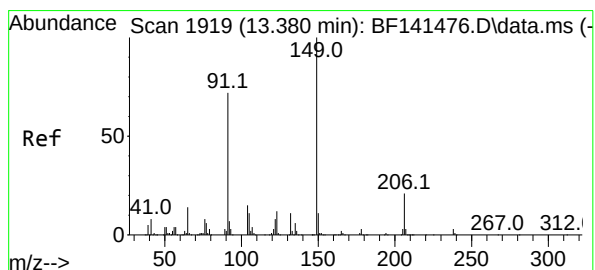
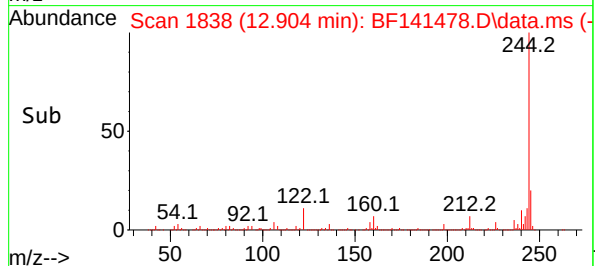
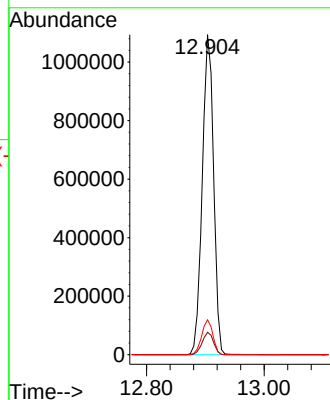
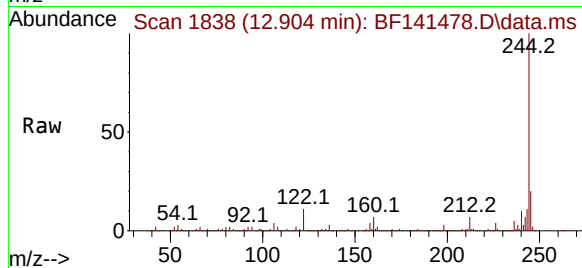
Tgt Ion:202 Resp: 1068624
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.5 14.3 21.5





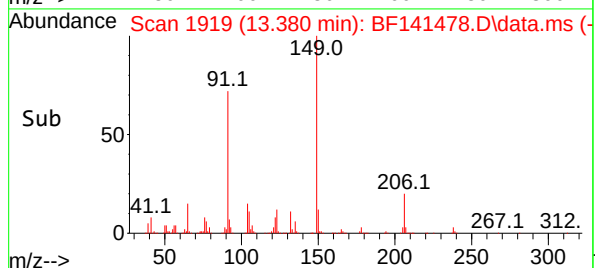
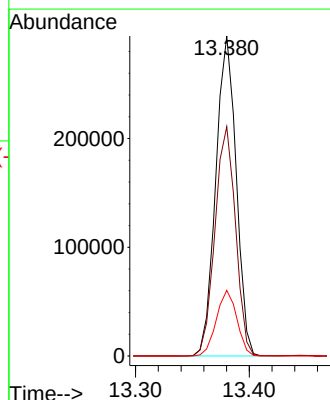
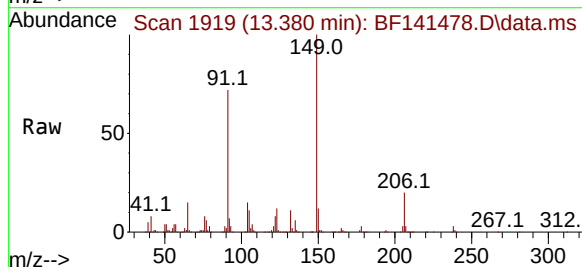
#79
Terphenyl-d14
Concen: 124.977 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

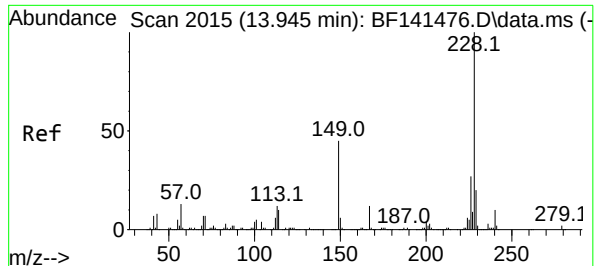
Tgt Ion:244 Resp: 1459213
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.9 8.4 12.6



#80
Butylbenzylphthalate
Concen: 63.357 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

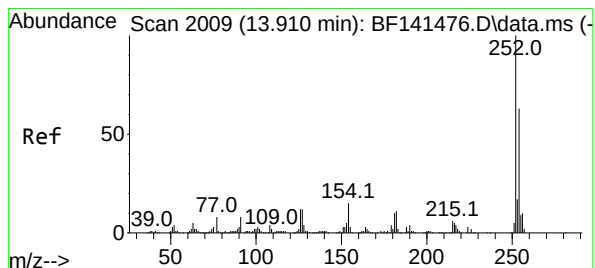
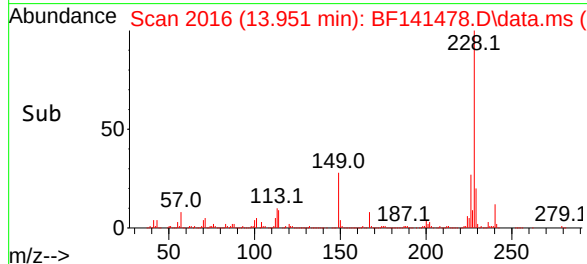
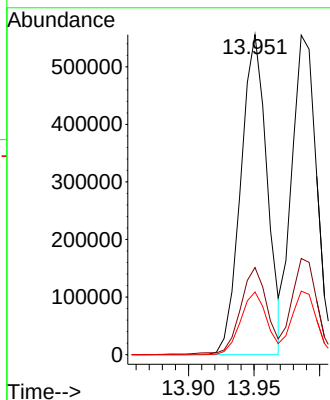
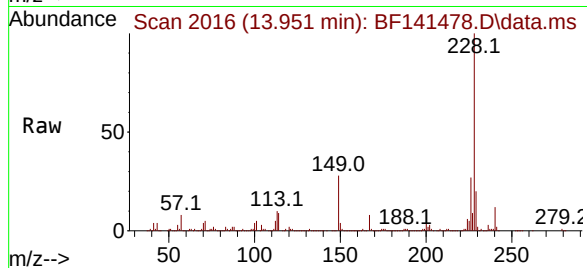
Tgt Ion:149 Resp: 368219
Ion Ratio Lower Upper
149 100
91 71.7 57.8 86.8
206 20.5 16.7 25.1





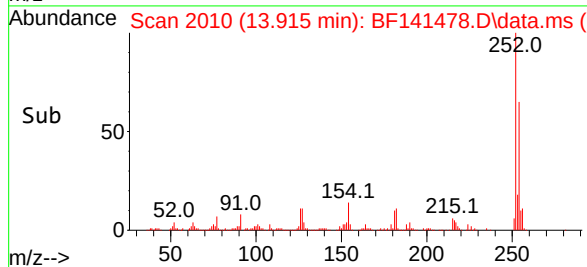
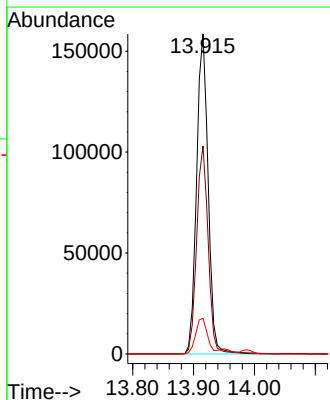
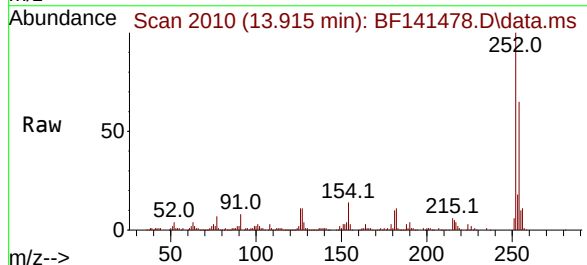
#81
Benzo(a)anthracene
Concen: 59.097 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

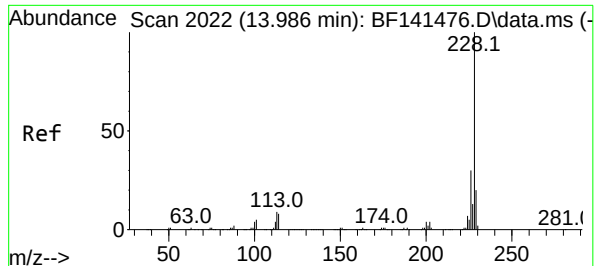
Tgt Ion:228 Resp: 774318
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 55.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 208826
Ion Ratio Lower Upper
252 100
254 65.0 50.6 76.0
126 11.1 9.3 13.9





#83

Chrysene

Concen: 59.829 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

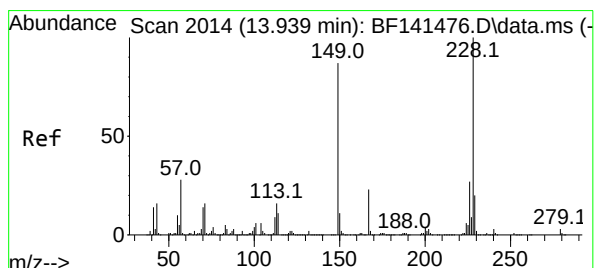
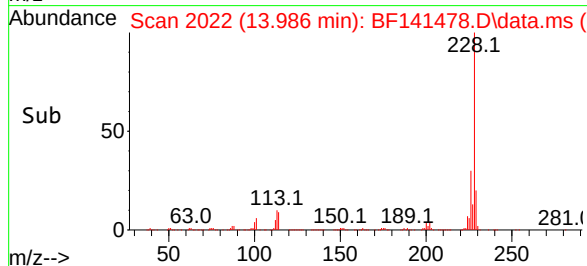
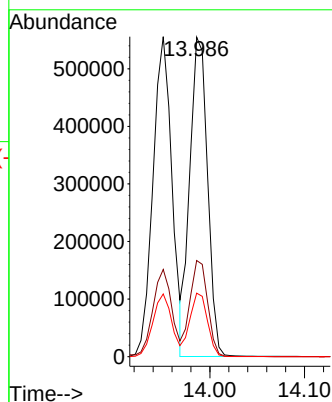
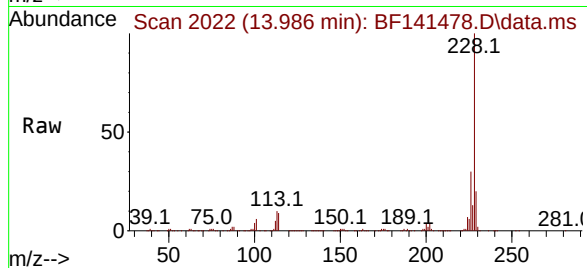
Tgt Ion:228 Resp: 723815

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.851 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

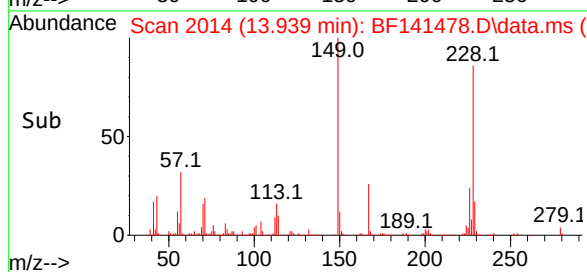
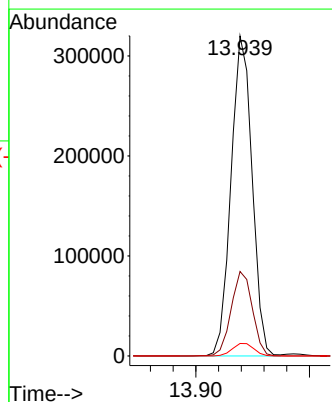
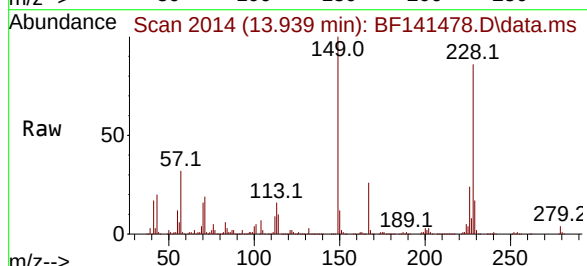
Tgt Ion:149 Resp: 411979

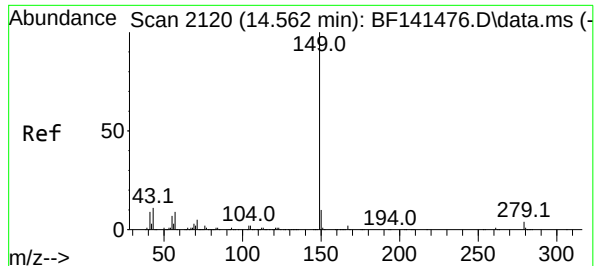
Ion Ratio Lower Upper

149 100

167 26.4 21.4 32.0

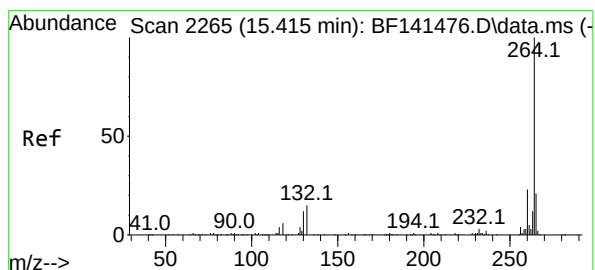
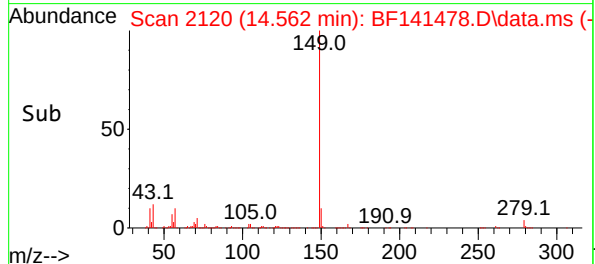
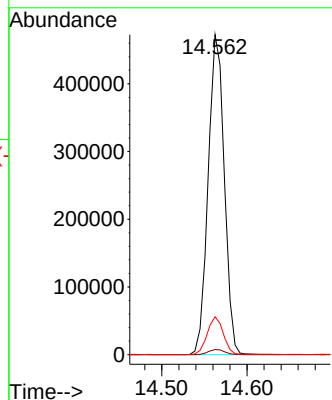
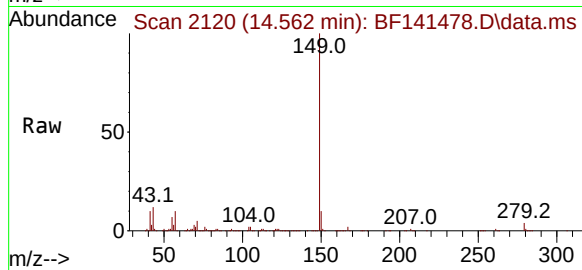
279 3.9 3.1 4.7





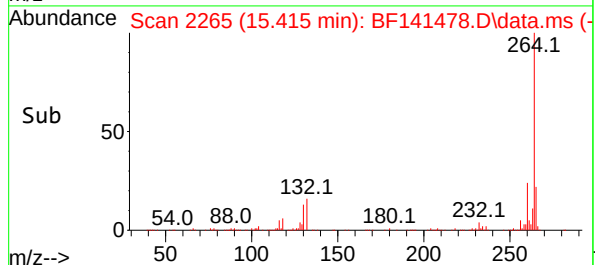
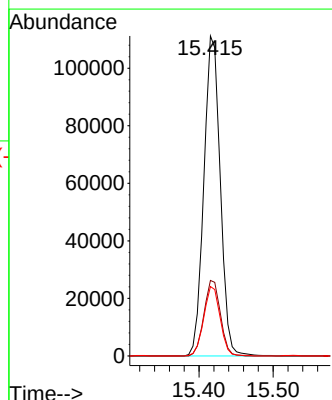
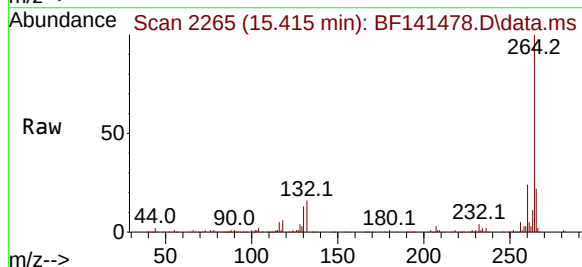
#85
Di-n-octyl phthalate
Concen: 66.464 ng
RT: 14.562 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

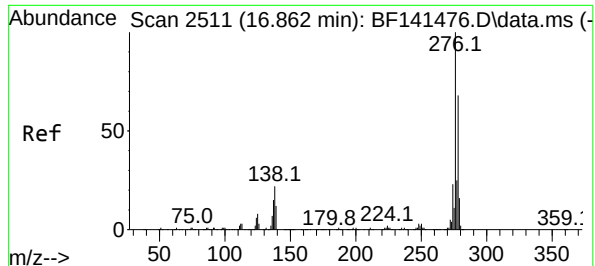
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	9.5	14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.7	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 68.464 ng

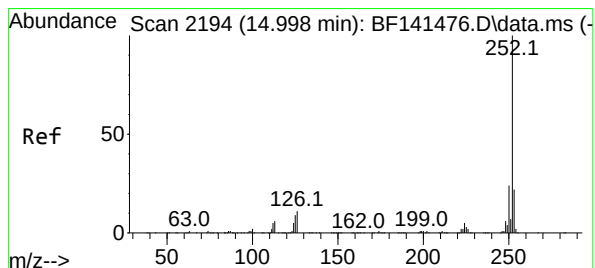
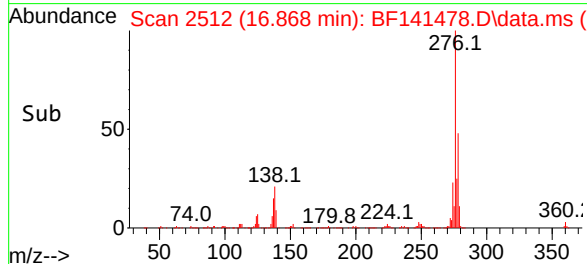
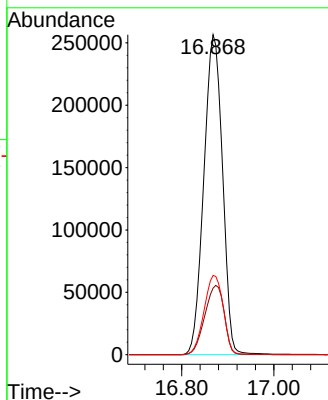
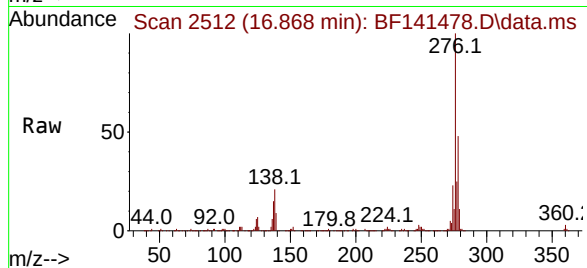
RT: 16.868 min Scan# 2512

Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:	276	Resp:	723493
Ion Ratio	Lower	Upper	
276	100		
138	22.6	18.0	27.0
277	25.5	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 60.575 ng

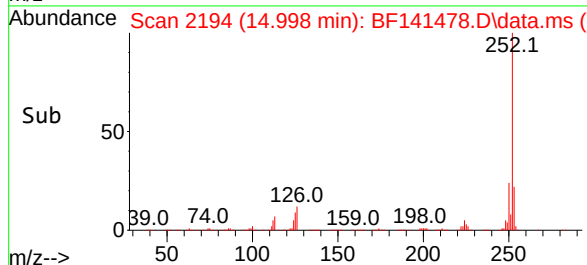
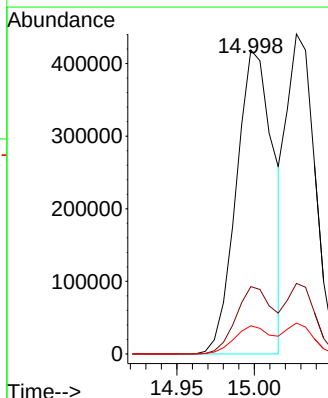
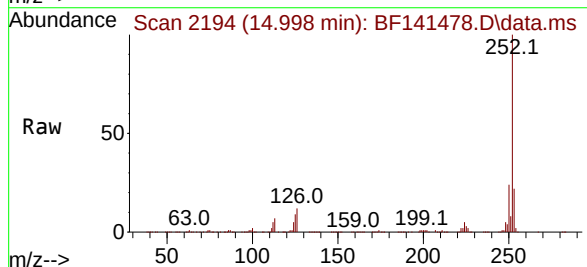
RT: 14.998 min Scan# 2194

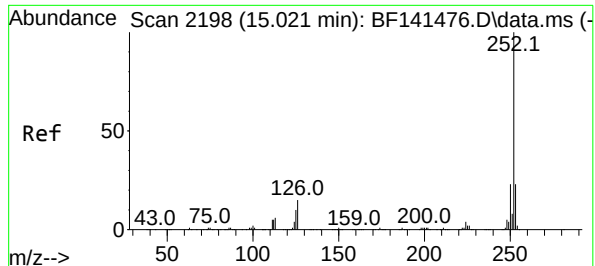
Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:	252	Resp:	695617
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	9.3	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 57.449 ng

RT: 15.027 min Scan# 2199

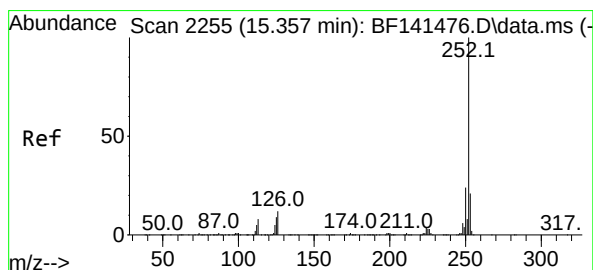
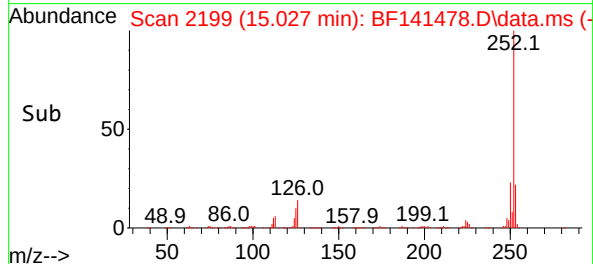
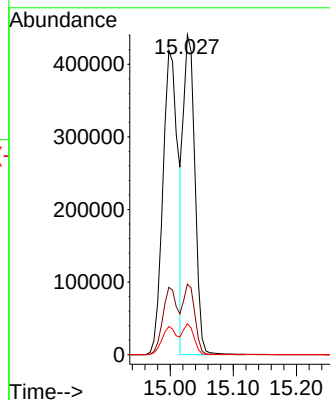
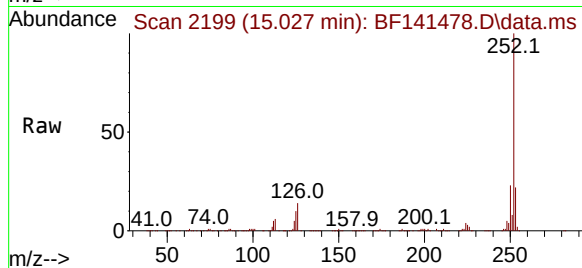
Delta R.T. -0.006 min

Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 563342

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.6	7.4	11.0



#90

Benzo(a)pyrene

Concen: 60.423 ng

RT: 15.357 min Scan# 2255

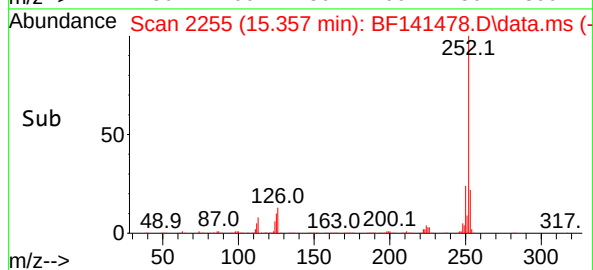
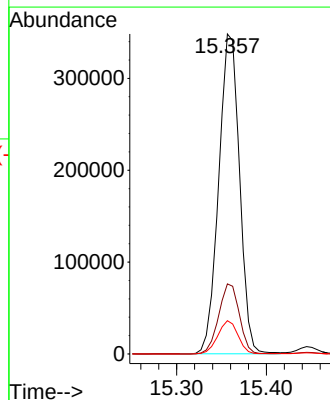
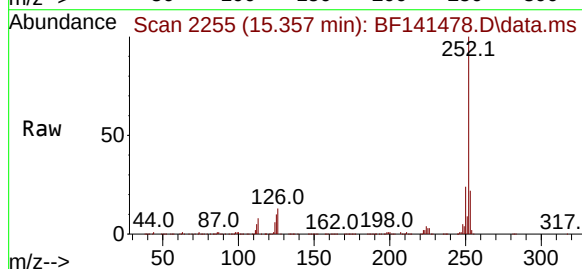
Delta R.T. -0.006 min

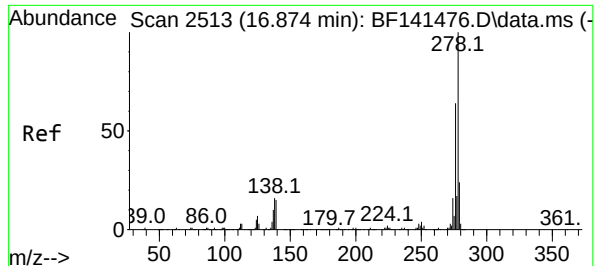
Lab File: BF141478.D

Acq: 06 Feb 2025 13:47

Tgt Ion:252 Resp: 561457

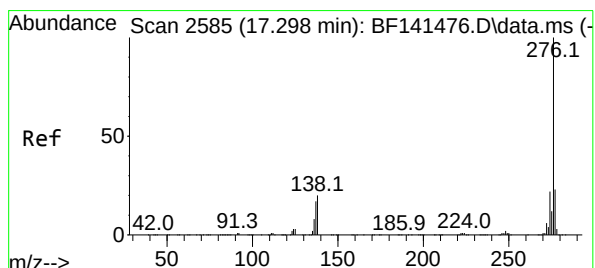
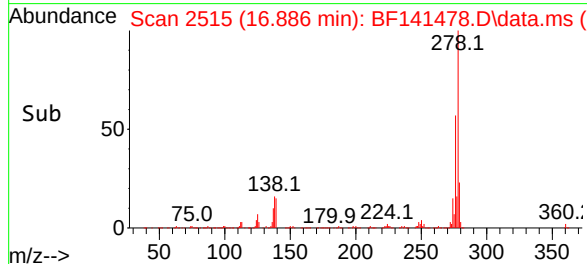
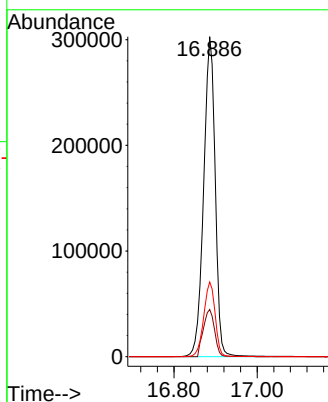
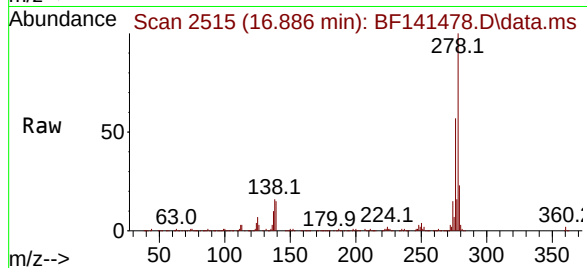
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	10.4	7.4	11.2





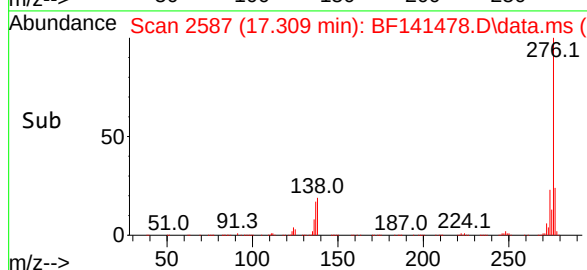
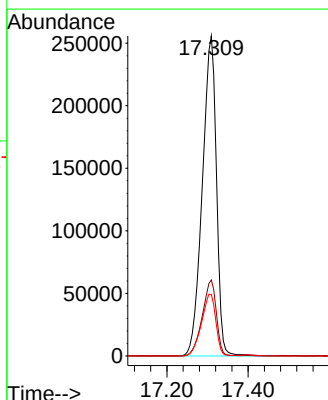
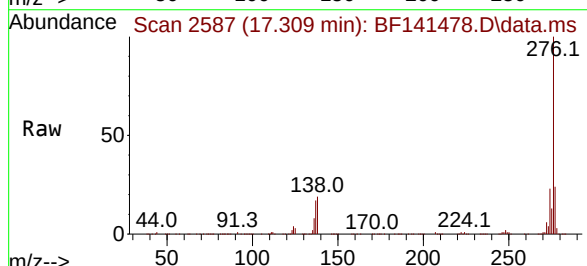
#91
Dibenzo(a,h)anthracene
Concen: 68.216 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.8	17.6
279	23.4	19.1	28.7



#92
Benzo(g,h,i)perylene
Concen: 68.884 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141478.D
Acq: 06 Feb 2025 13:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	28.0
138	19.3	15.9	23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141479.D
 Acq On : 06 Feb 2025 14:14
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 06 16:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	90415	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	341252	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	186230	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	312902	20.000	ng	0.00
76) Chrysene-d12	13.962	240	184347	20.000	ng	0.00
86) Perylene-d12	15.415	264	170605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	878184	152.272	ng	0.00
7) Phenol-d6	6.439	99	1112281	152.591	ng	0.00
23) Nitrobenzene-d5	7.363	82	1048314	160.228	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	291947	156.058	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1789795	148.066	ng	0.00
79) Terphenyl-d14	12.904	244	1781602	163.152	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	181328	78.119	ng	99
3) Pyridine	3.216	79	435462	78.838	ng	99
4) n-Nitrosodimethylamine	3.187	42	301403	82.409	ng	97
6) Aniline	6.463	93	498556	72.913	ng	94
8) 2-Chlorophenol	6.586	128	470975	75.577	ng	99
10) Phenol	6.457	94	567332	74.779	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	454141	79.695	ng	99
12) 1,3-Dichlorobenzene	6.734	146	494180	75.115	ng	99
13) 1,4-Dichlorobenzene	6.810	146	498585	74.175	ng	99
14) 1,2-Dichlorobenzene	6.963	146	464559	74.465	ng	99
15) Benzyl Alcohol	6.939	79	420673	75.258	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	708318	72.613	ng	77
17) 2-Methylphenol	7.057	107	370173	75.912	ng	97
18) Hexachloroethane	7.304	117	190062	76.402	ng	97
19) n-Nitroso-di-n-propyla...	7.216	70	328097	75.249	ng	98
20) 3+4-Methylphenols	7.216	107	450046	72.613	ng	# 88
22) Acetophenone	7.210	105	652334	76.846	ng	98
24) Nitrobenzene	7.381	77	513249	80.448	ng	98
25) Isophorone	7.622	82	838076	80.337	ng	99
26) 2-Nitrophenol	7.692	139	261386	82.350	ng	98
27) 2,4-Dimethylphenol	7.733	122	300036	80.915	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	529442	79.203	ng	99
29) 2,4-Dichlorophenol	7.939	162	399027	79.645	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	428656	78.568	ng	99
31) Naphthalene	8.098	128	1381453	77.769	ng	100
32) Benzoic acid	7.892	122	335418	87.086	ng	98
33) 4-Chloroaniline	8.157	127	504834	81.400	ng	98
34) Hexachlorobutadiene	8.210	225	257532	78.628	ng	100
35) Caprolactam	8.545	113	125619	82.350	ng	97
36) 4-Chloro-3-methylphenol	8.639	107	441925	79.630	ng	98
37) 2-Methylnaphthalene	8.786	142	889774	76.975	ng	100
38) 1-Methylnaphthalene	8.886	142	861860	76.983	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	418579	77.689	ng	99
41) Hexachlorocyclopentadiene	8.939	237	159430	88.965	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	277156	79.591	ng	97
44) 2,4,5-Trichlorophenol	9.116	196	298856	79.189	ng	98

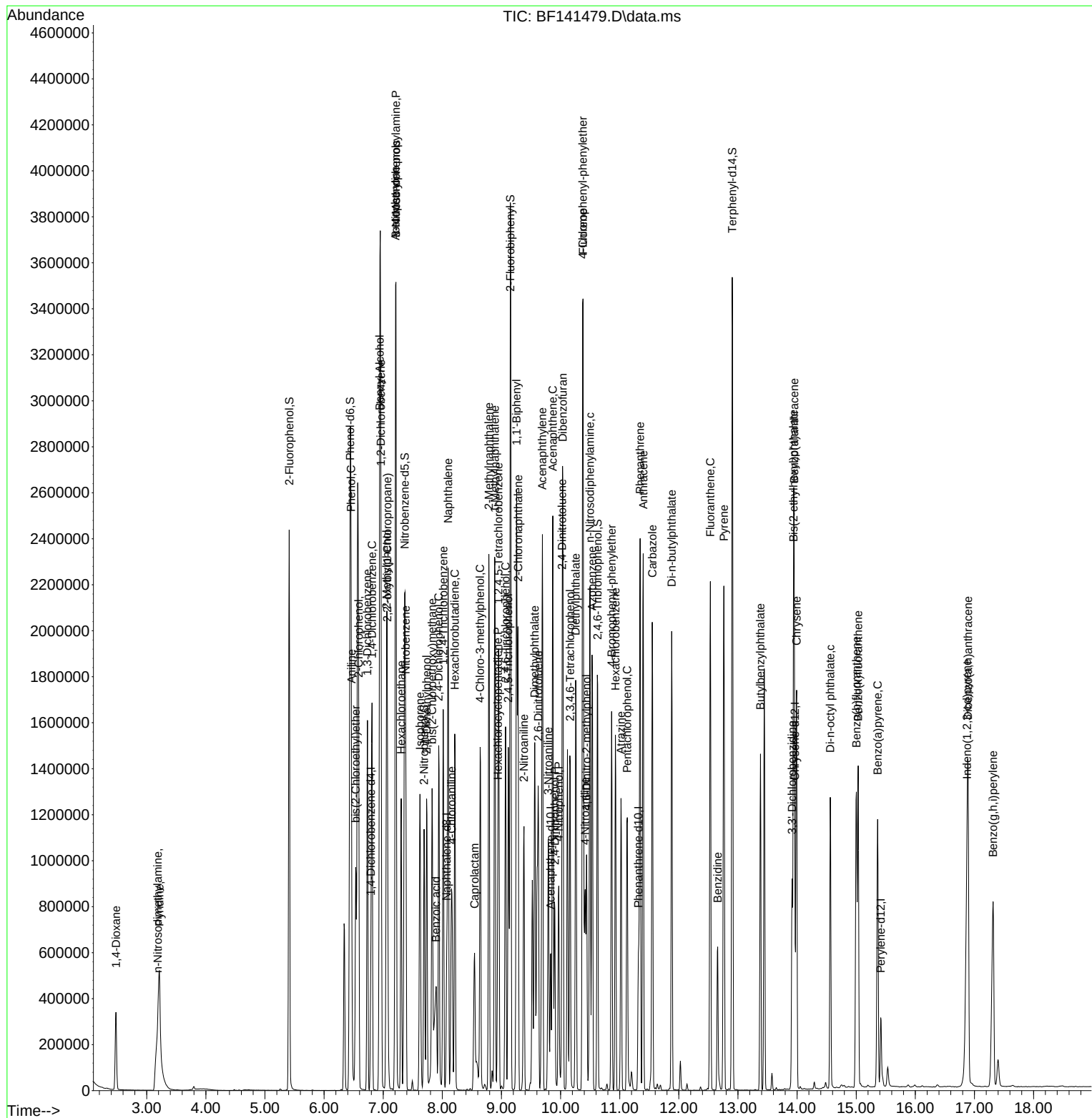
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 Acq On : 06 Feb 2025 14:14
 Operator : RC/JU
 Sample : SSTDICC080
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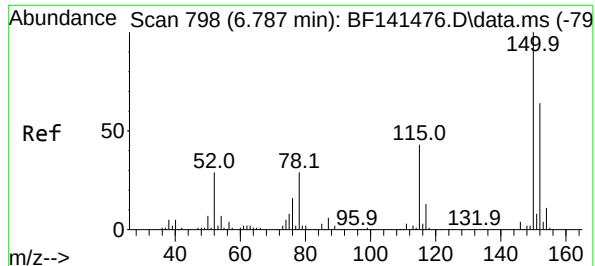
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	1100720	76.237	ng	99
47) 2-Chloronaphthalene	9.280	162	821334	76.929	ng	99
48) 2-Nitroaniline	9.380	65	286532	79.969	ng	97
49) Acenaphthylene	9.692	152	1211515	76.291	ng	99
50) Dimethylphthalate	9.563	163	1002121	79.265	ng	99
51) 2,6-Dinitrotoluene	9.622	165	215853	78.101	ng	94
52) Acenaphthene	9.869	154	819818	76.791	ng	99
53) 3-Nitroaniline	9.792	138	235511	79.173	ng	97
54) 2,4-Dinitrophenol	9.904	184	147768	89.960	ng	95
55) Dibenzofuran	10.039	168	1174157	74.928	ng	100
56) 4-Nitrophenol	9.969	139	187131	84.744	ng	97
57) 2,4-Dinitrotoluene	10.027	165	284954	77.449	ng	95
58) Fluorene	10.380	166	909704	75.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	253454	78.006	ng	98
60) Diethylphthalate	10.257	149	945293	75.995	ng	100
61) 4-Chlorophenyl-phenyle...	10.374	204	435522	74.716	ng	99
62) 4-Nitroaniline	10.416	138	241257	79.873	ng	99
63) Azobenzene	10.533	77	963689	77.931	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	185427	85.309	ng	99
66) n-Nitrosodiphenylamine	10.498	169	785313	78.404	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	276228	78.988	ng	96
68) Hexachlorobenzene	10.927	284	285111	79.174	ng	97
69) Atrazine	11.021	200	219923	73.188	ng	100
70) Pentachlorophenol	11.127	266	200556	87.100	ng	99
71) Phenanthrene	11.345	178	1312474	76.201	ng	100
72) Anthracene	11.398	178	1322462	76.380	ng	99
73) Carbazole	11.551	167	1168253	74.989	ng	99
74) Di-n-butylphthalate	11.880	149	1382706	76.865	ng	99
75) Fluoranthene	12.533	202	1333237	73.011	ng	100
77) Benzidine	12.657	184	354555	87.207	ng	99
78) Pyrene	12.763	202	1319554	84.086	ng	100
80) Butylbenzylphthalate	13.380	149	459803	84.592	ng	100
81) Benzo(a)anthracene	13.951	228	943291	76.977	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	263773	75.143	ng	100
83) Chrysene	13.992	228	906415	80.108	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	517884	84.477	ng	99
85) Di-n-octyl phthalate	14.562	149	803601	91.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	961023	91.166	ng	100
88) Benzo(b)fluoranthene	15.004	252	865205	75.529	ng	100
89) Benzo(k)fluoranthene	15.033	252	776323	79.364	ng	99
90) Benzo(a)pyrene	15.362	252	742932	80.150	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	773684	90.578	ng	99
92) Benzo(g,h,i)perylene	17.315	276	831418	93.015	ng	99

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

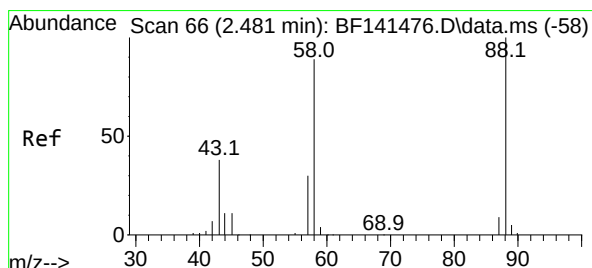
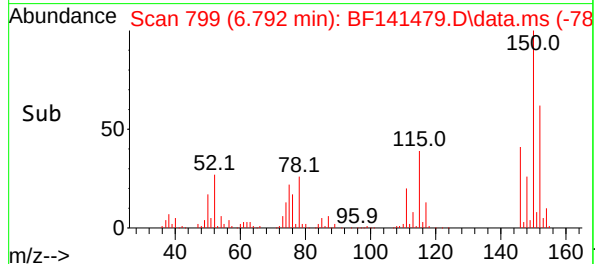
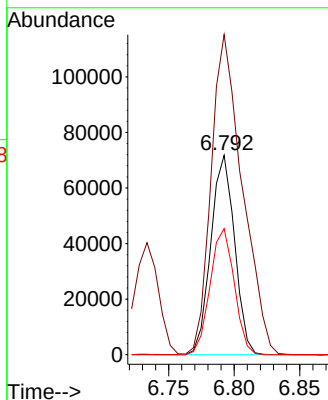
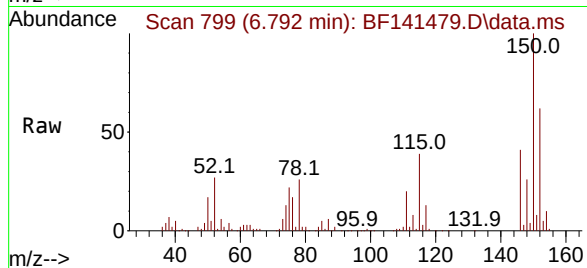
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





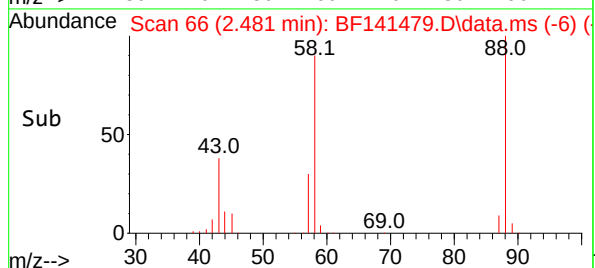
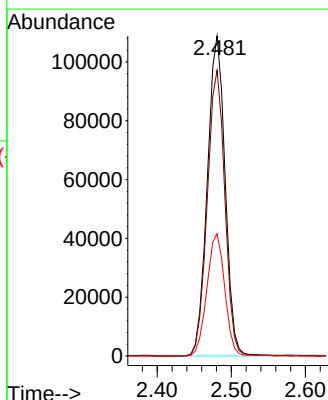
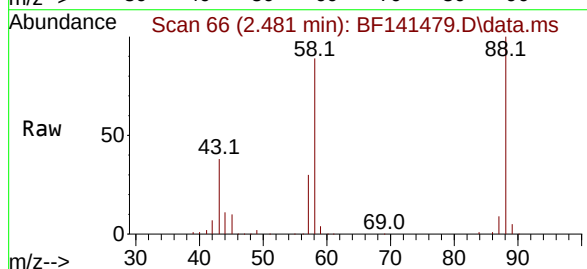
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

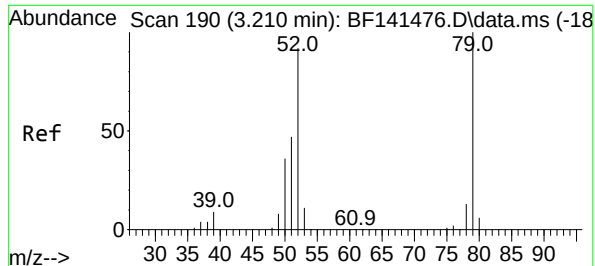
Tgt Ion:152 Resp: 90415
Ion Ratio Lower Upper
152 100
150 160.5 125.0 187.4
115 63.2 53.6 80.4



#2
1,4-Dioxane
Concen: 78.119 ng
RT: 2.481 min Scan# 66
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

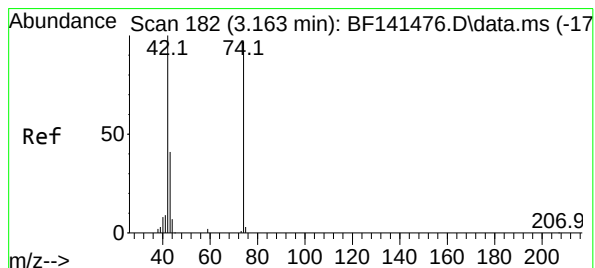
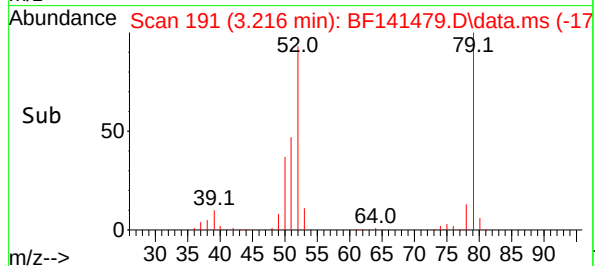
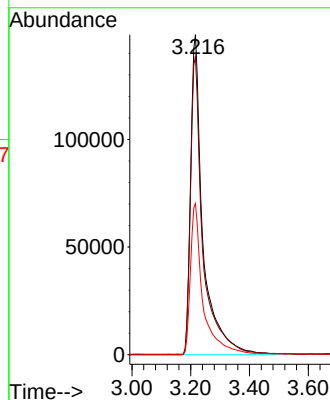
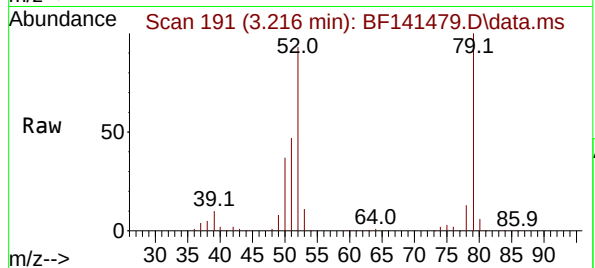
Tgt Ion: 88 Resp: 181328
Ion Ratio Lower Upper
88 100
58 88.2 71.1 106.7
43 38.3 30.6 46.0





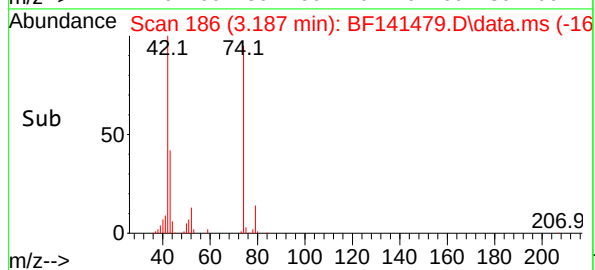
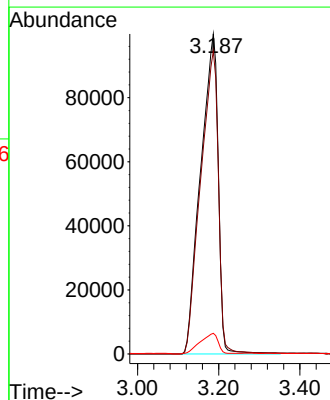
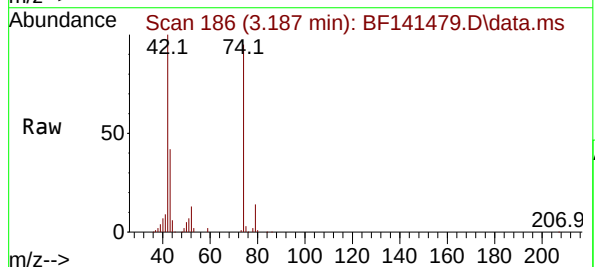
#3
Pyridine
Concen: 78.838 ng
RT: 3.216 min Scan# 191
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

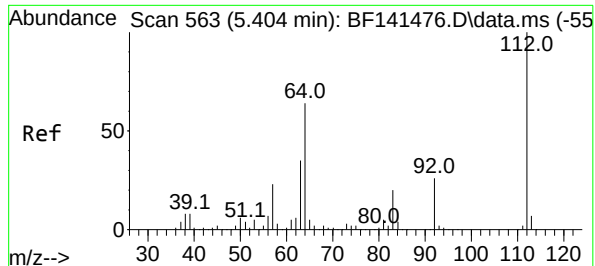
Tgt Ion: 79 Resp: 435462
Ion Ratio Lower Upper
79 100
52 93.2 73.7 110.5
51 47.3 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 82.409 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

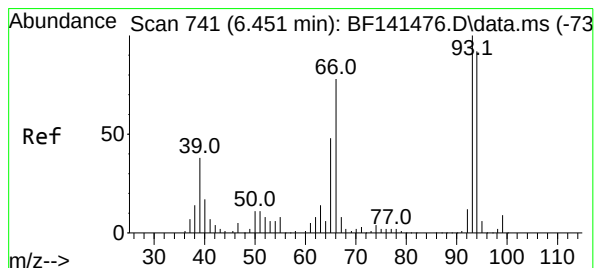
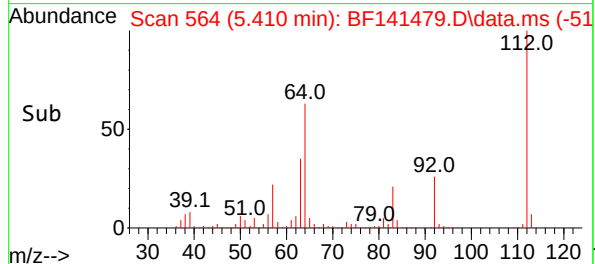
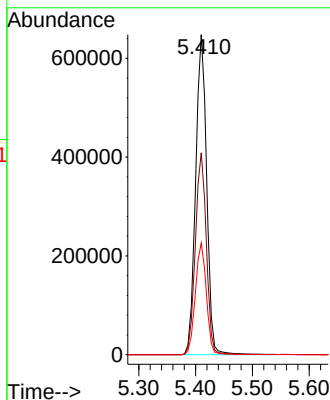
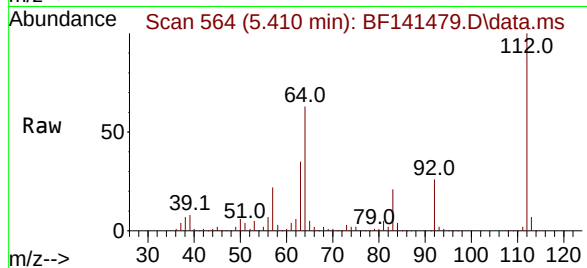
Tgt Ion: 42 Resp: 301403
Ion Ratio Lower Upper
42 100
74 94.7 78.0 117.0
44 6.4 5.4 8.2





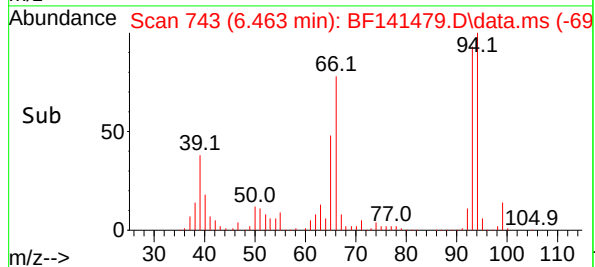
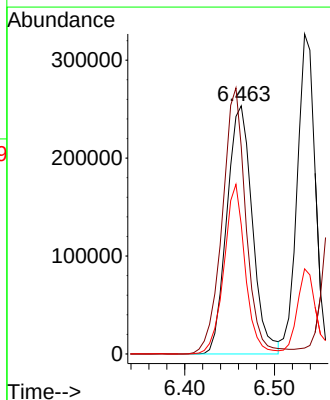
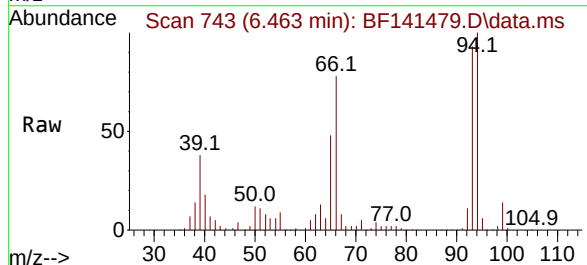
#5
2-Fluorophenol
Concen: 152.272 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

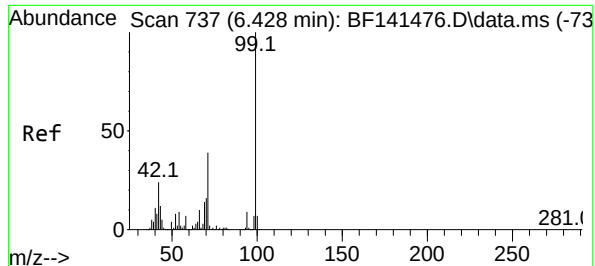
Tgt Ion:112 Resp: 878184
Ion Ratio Lower Upper
112 100
64 63.1 51.1 76.7
63 34.9 28.4 42.6



#6
Aniline
Concen: 72.913 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 498556
Ion Ratio Lower Upper
93 100
66 83.5 62.6 94.0
65 52.1 38.3 57.5

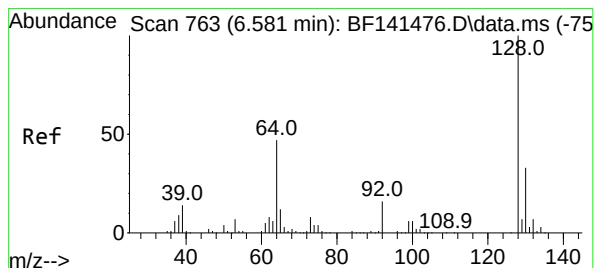
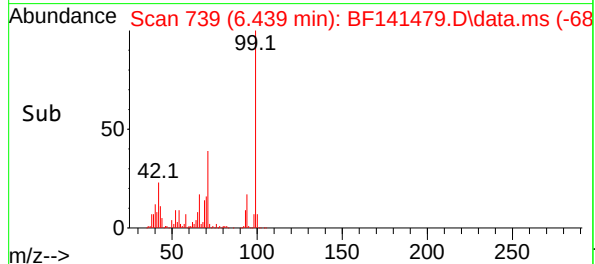
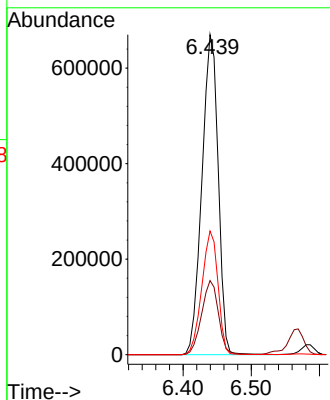
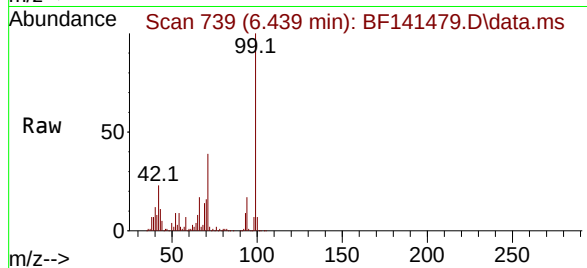




#7
Phenol-d6
Concen: 152.591 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 99 Resp: 1112281

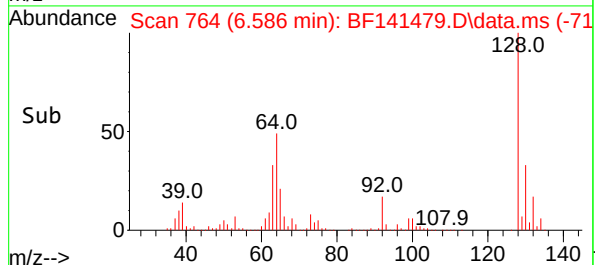
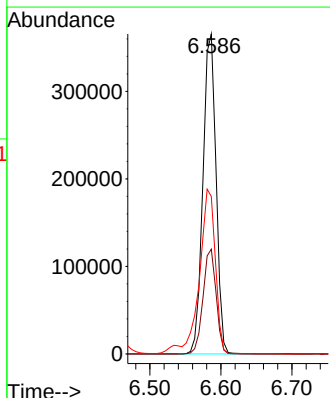
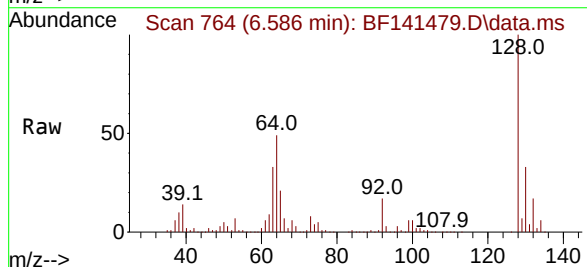
Ion	Ratio	Lower	Upper
99	100		
42	23.2	19.1	28.7
71	38.7	31.1	46.7

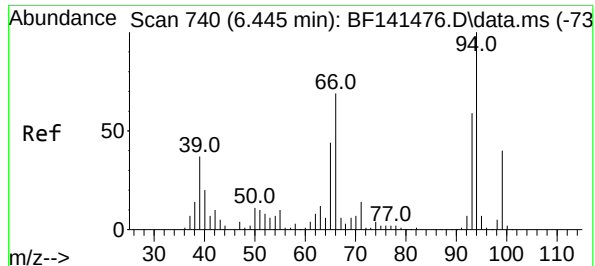


#8
2-Chlorophenol
Concen: 75.577 ng
RT: 6.586 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 128 Resp: 470975

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	49.2	28.3	68.3





#10

Phenol

Concen: 74.779 ng

RT: 6.457 min Scan# 742

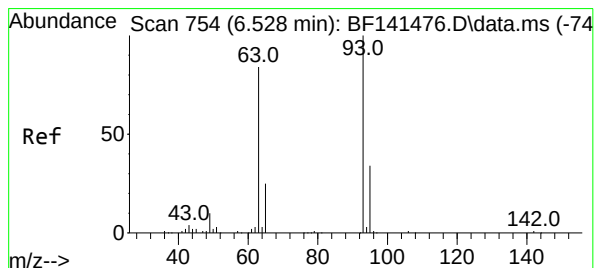
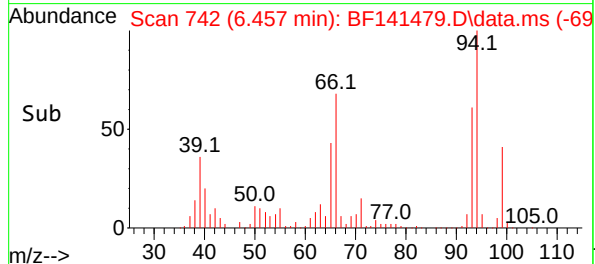
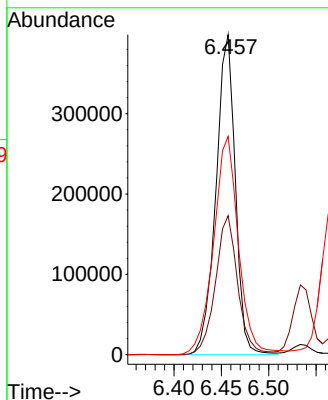
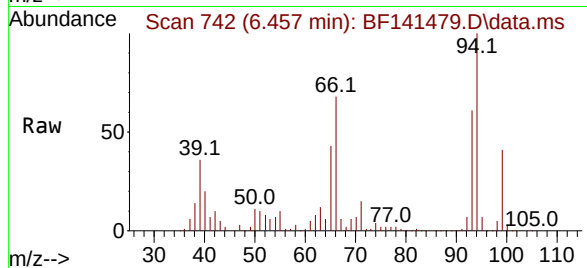
Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 94 Resp: 567332

Ion	Ratio	Lower	Upper
94	100		
65	43.5	23.7	63.7
66	68.2	49.3	89.3



#11

bis(2-Chloroethyl)ether

Concen: 79.695 ng

RT: 6.534 min Scan# 755

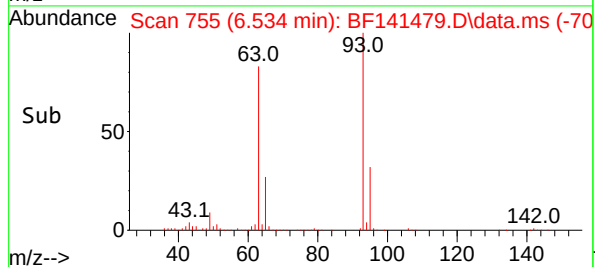
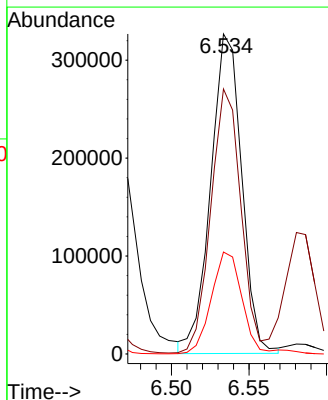
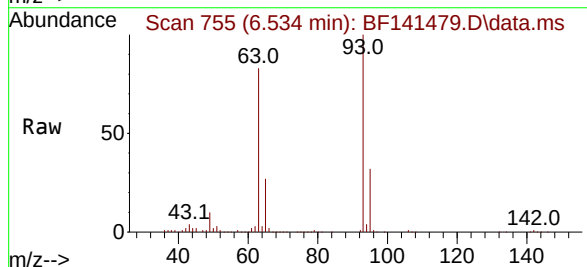
Delta R.T. 0.000 min

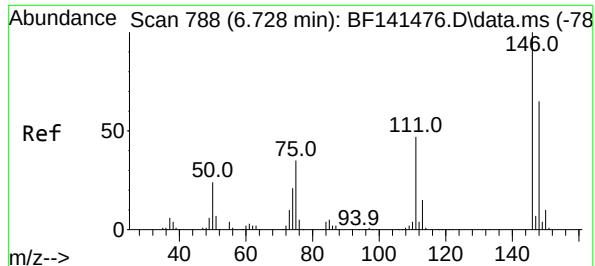
Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 93 Resp: 454141

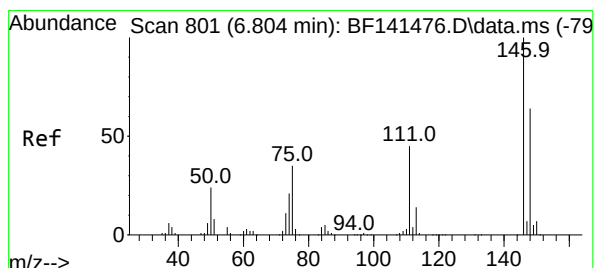
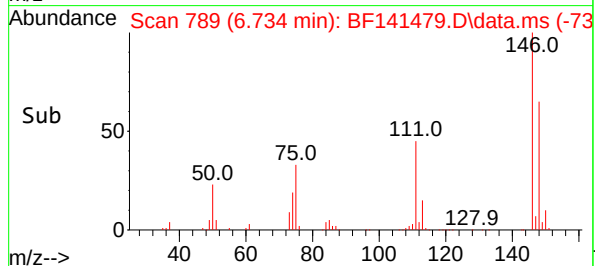
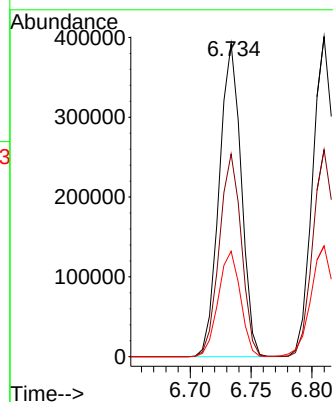
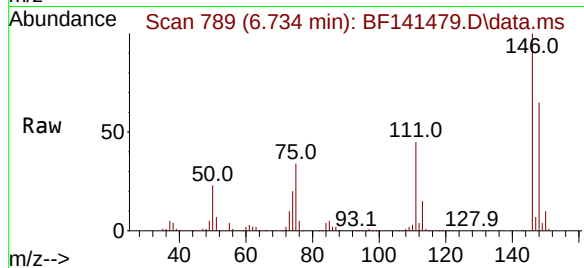
Ion	Ratio	Lower	Upper
93	100		
63	82.8	62.0	102.0
95	31.9	12.6	52.6





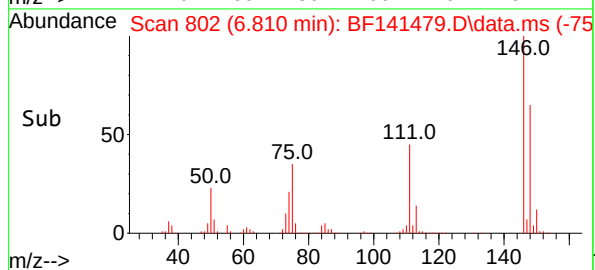
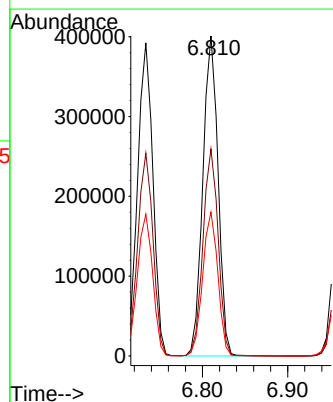
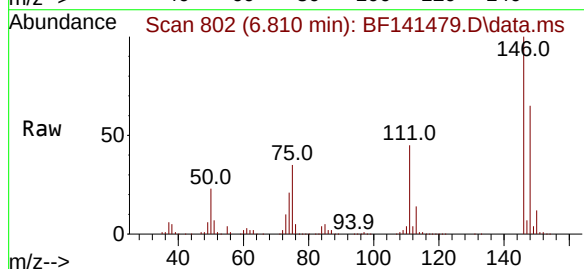
#12
1,3-Dichlorobenzene
Concen: 75.115 ng
RT: 6.734 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

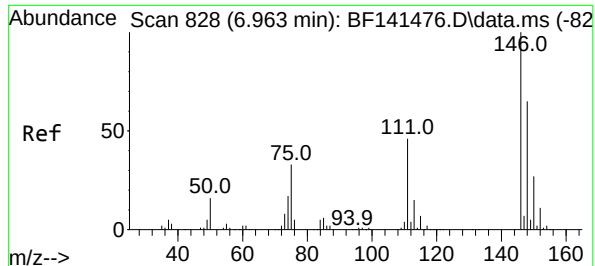
Tgt Ion:146 Resp: 494180
Ion Ratio Lower Upper
146 100
148 64.7 51.9 77.9
75 33.7 28.2 42.2



#13
1,4-Dichlorobenzene
Concen: 74.175 ng
RT: 6.810 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:146 Resp: 498585
Ion Ratio Lower Upper
146 100
148 64.7 50.9 76.3
111 44.9 35.9 53.9





#14

1,2-Dichlorobenzene

Concen: 74.465 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

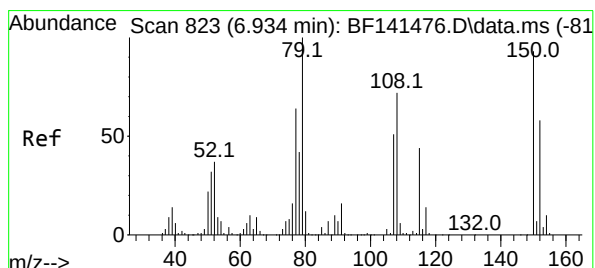
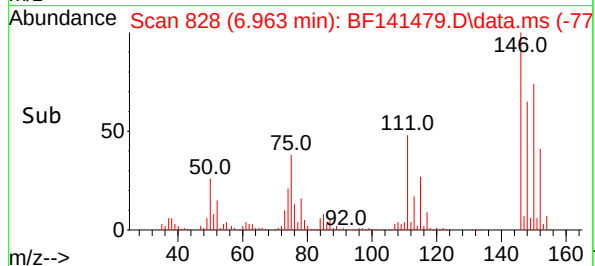
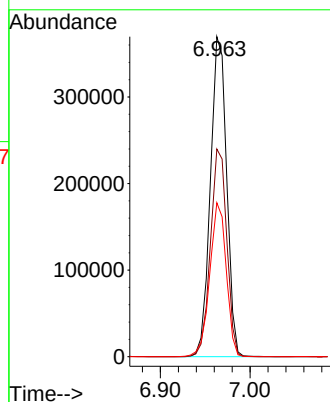
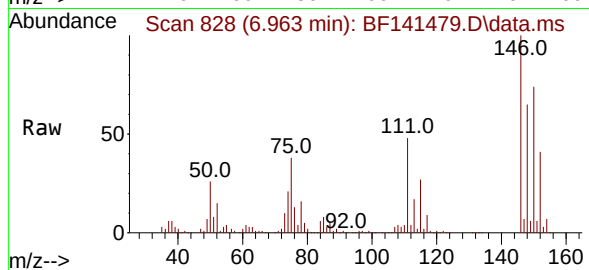
Tgt Ion:146 Resp: 464559

Ion Ratio Lower Upper

146 100

148 64.9 51.8 77.6

111 48.1 37.0 55.4



#15

Benzyl Alcohol

Concen: 75.258 ng

RT: 6.939 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

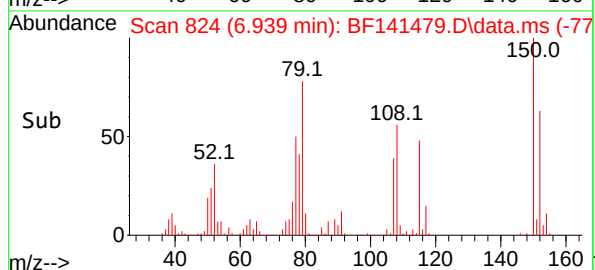
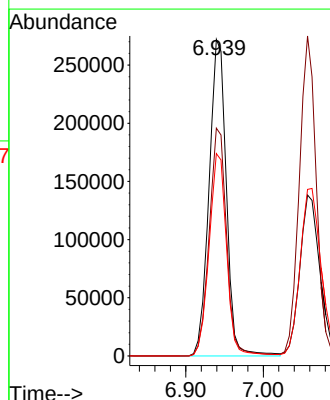
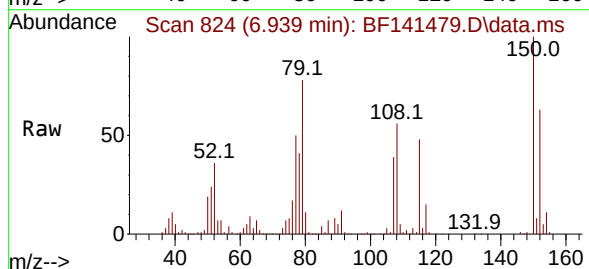
Tgt Ion: 79 Resp: 420673

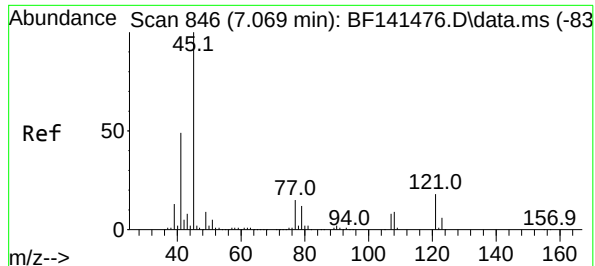
Ion Ratio Lower Upper

79 100

108 72.0 57.4 86.2

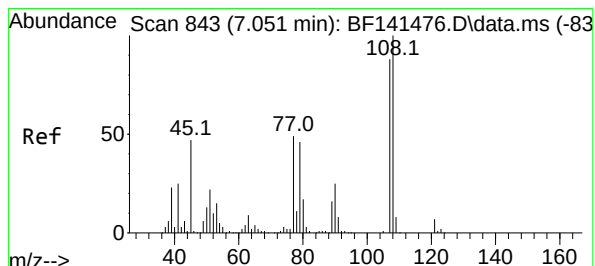
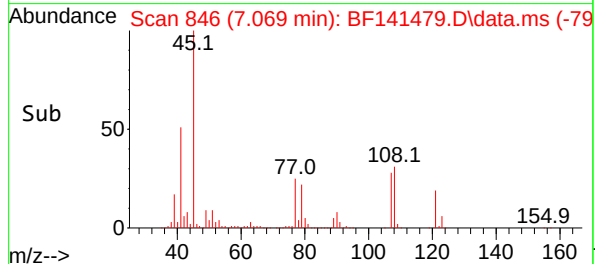
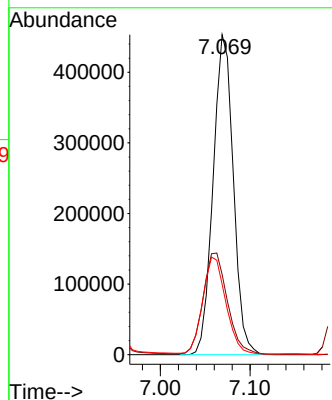
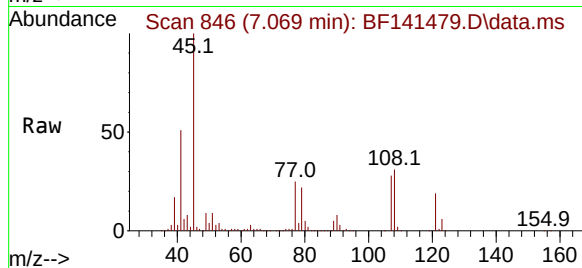
77 64.0 50.9 76.3





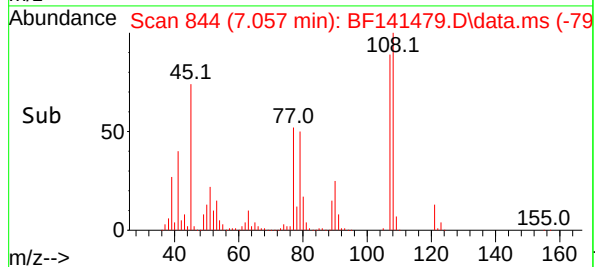
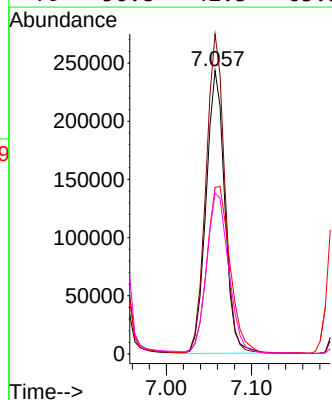
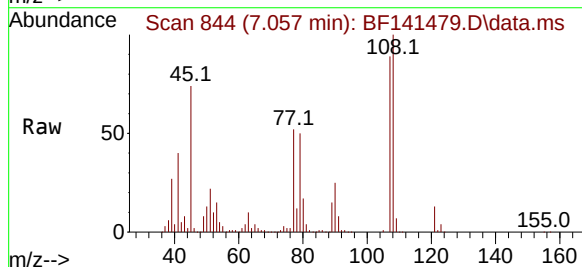
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.613 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

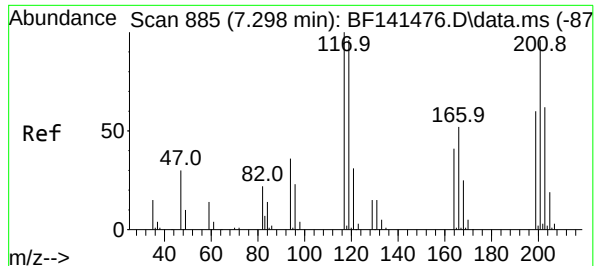
Tgt Ion: 45 Resp: 708318
Ion Ratio Lower Upper
45 100
77 25.1 0.0 35.8
79 22.0 0.0 32.7



#17
2-Methylphenol
Concen: 75.912 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

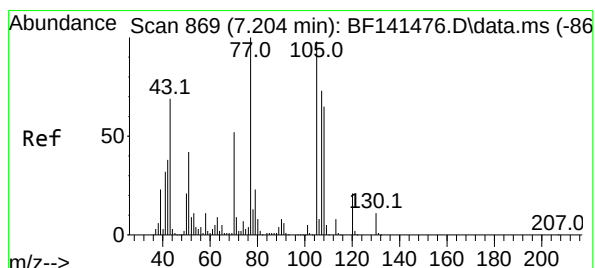
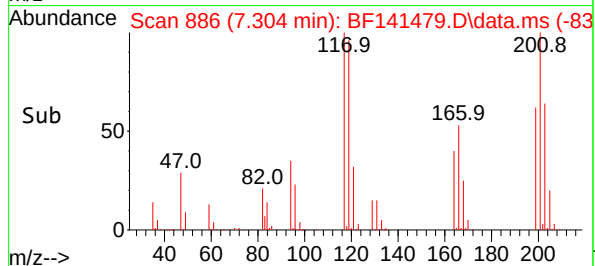
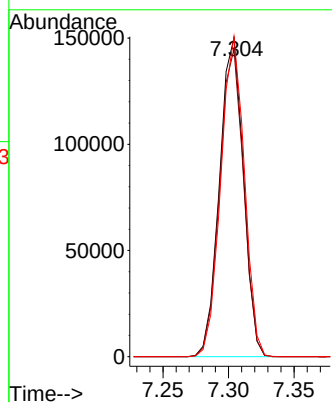
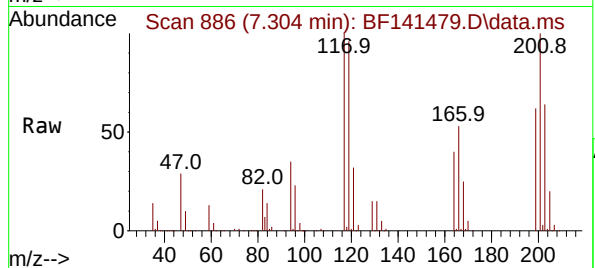
Tgt Ion: 107 Resp: 370173
Ion Ratio Lower Upper
107 100
108 112.9 90.6 136.0
77 58.7 44.4 66.6
79 56.8 42.3 63.5





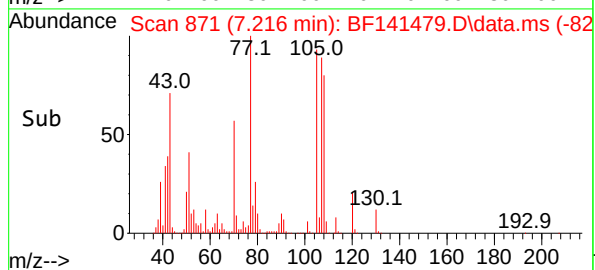
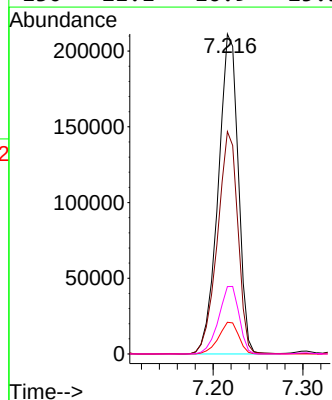
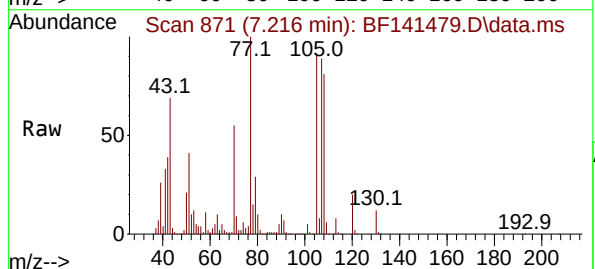
#18
Hexachloroethane
Concen: 76.402 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

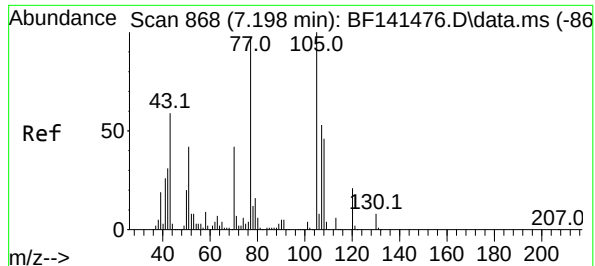
Tgt Ion:117 Resp: 190062
Ion Ratio Lower Upper
117 100
119 96.5 76.5 114.7
201 100.5 76.7 115.1



#19
n-Nitroso-di-n-propylamine
Concen: 75.249 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

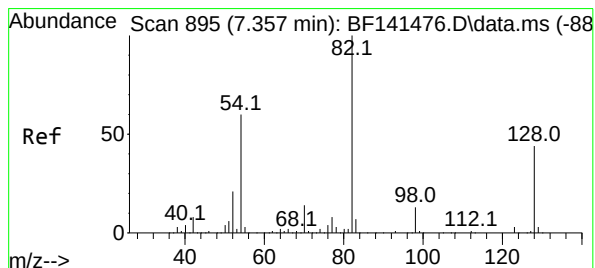
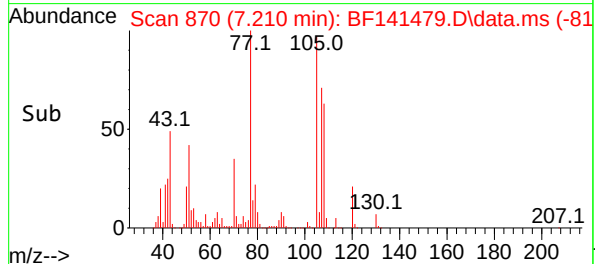
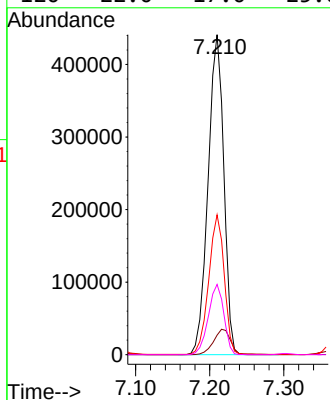
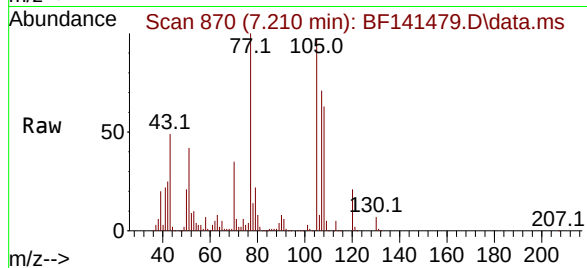
Tgt Ion: 70 Resp: 328097
Ion Ratio Lower Upper
70 100
42 69.5 57.4 86.2
101 9.9 8.0 12.0
130 21.1 16.9 25.3





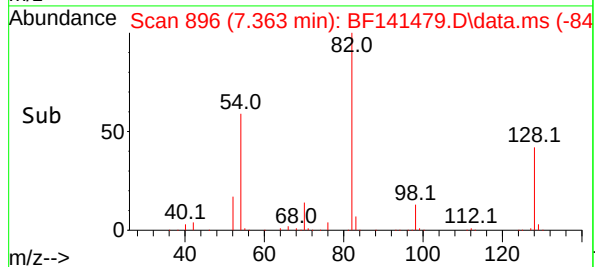
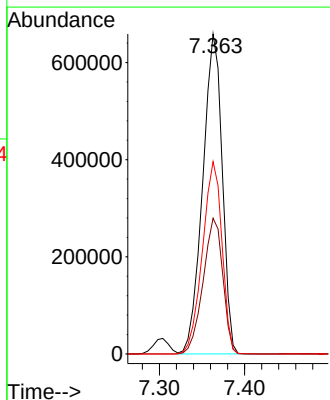
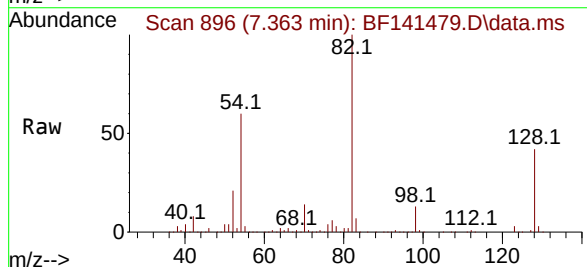
#22
Acetophenone
Concen: 76.846 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

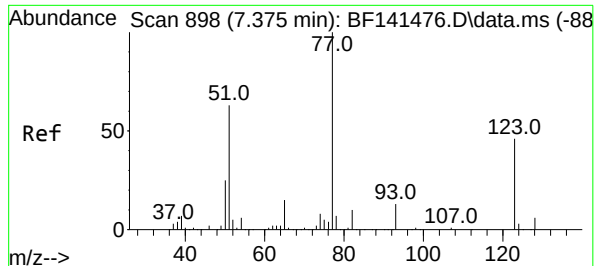
Tgt Ion:105 Resp: 652334
Ion Ratio Lower Upper
105 100
71 6.1 5.7 8.5
51 43.7 33.7 50.5
120 22.0 17.0 25.6



#23
Nitrobenzene-d5
Concen: 160.228 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 1048314
Ion Ratio Lower Upper
82 100
128 42.4 34.8 52.2
54 60.1 48.2 72.4





#24

Nitrobenzene

Concen: 80.448 ng

RT: 7.381 min Scan# 899

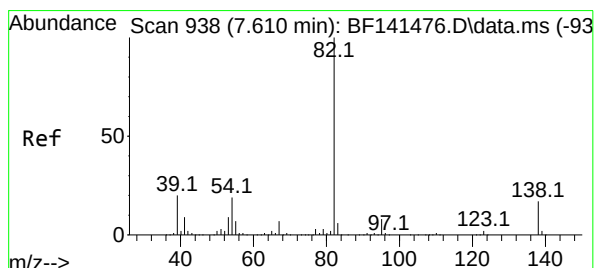
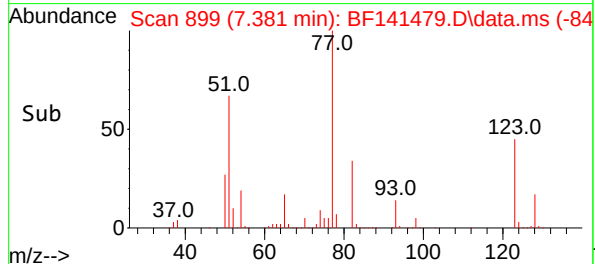
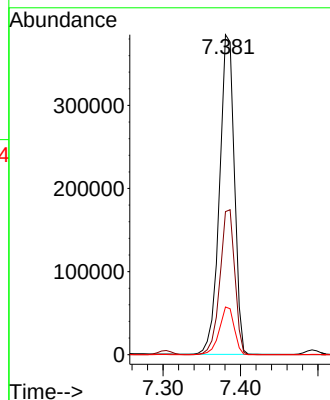
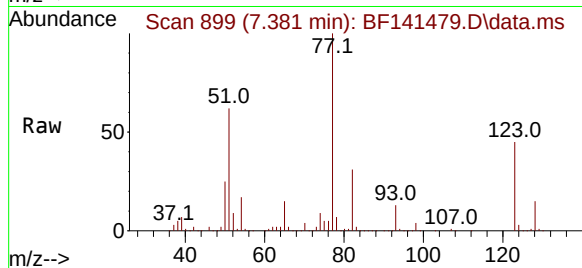
Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 77 Resp: 513249

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.9	55.3
65	14.9	11.9	17.9



#25

Isophorone

Concen: 80.337 ng

RT: 7.622 min Scan# 940

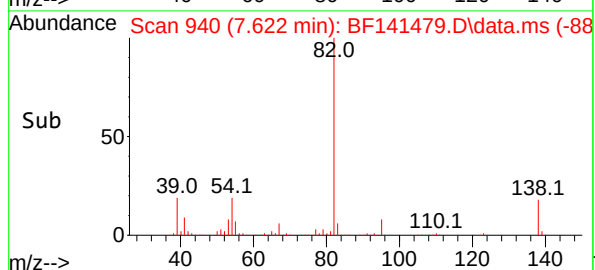
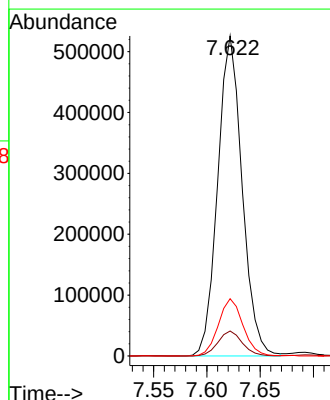
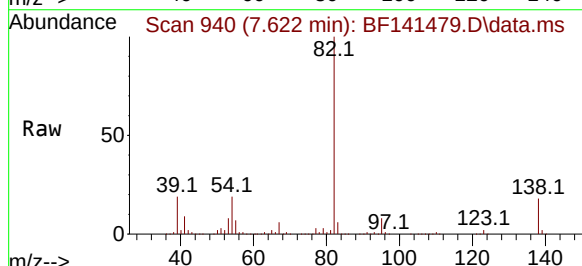
Delta R.T. 0.000 min

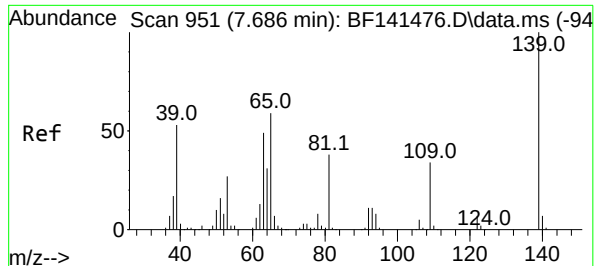
Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion: 82 Resp: 838076

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	17.9	13.9	20.9





#26

2-Nitrophenol

Concen: 82.350 ng

RT: 7.692 min Scan# 952

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

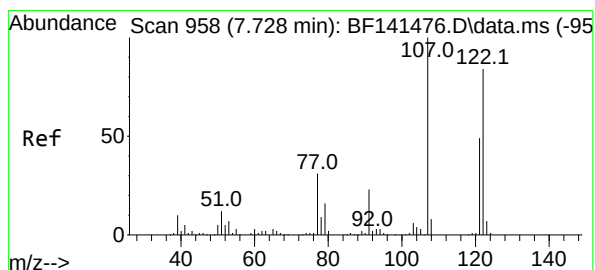
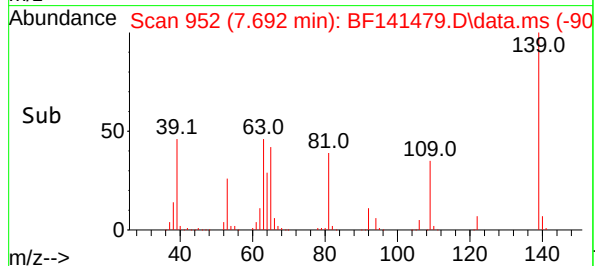
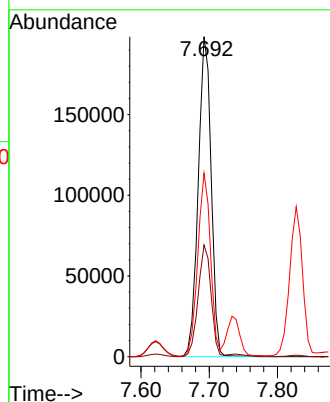
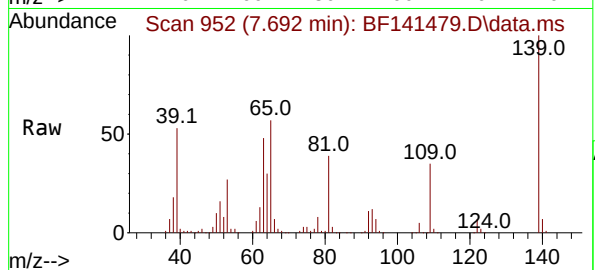
Tgt Ion:139 Resp: 261386

Ion Ratio Lower Upper

139 100

109 34.9 27.0 40.6

65 57.3 47.1 70.7



#27

2,4-Dimethylphenol

Concen: 80.915 ng

RT: 7.733 min Scan# 959

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

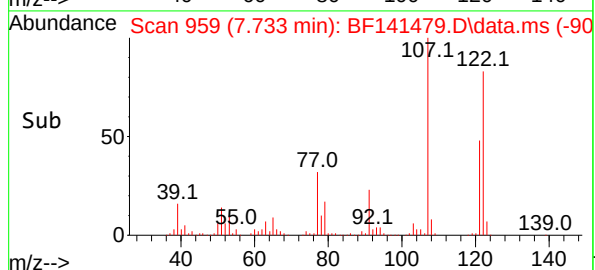
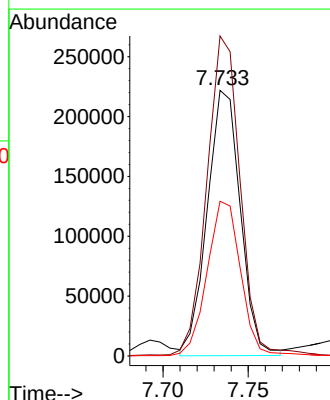
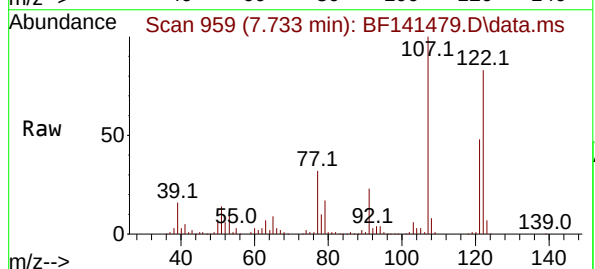
Tgt Ion:122 Resp: 300036

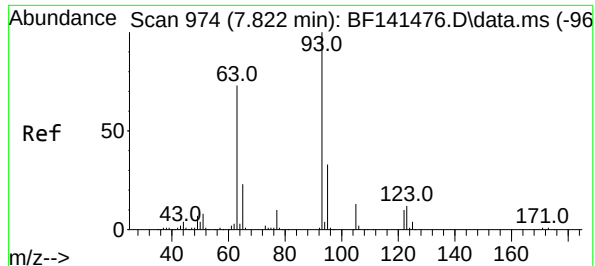
Ion Ratio Lower Upper

122 100

107 120.5 94.3 141.5

121 58.3 46.0 69.0





#28

bis(2-Chloroethoxy)methane

Concen: 79.203 ng

RT: 7.828 min Scan# 975

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

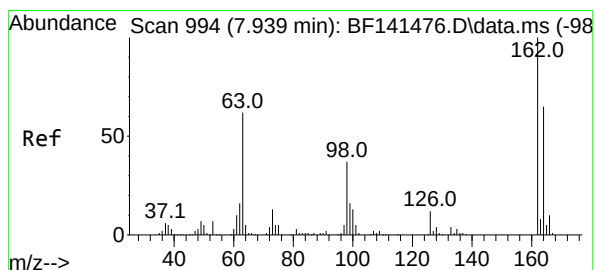
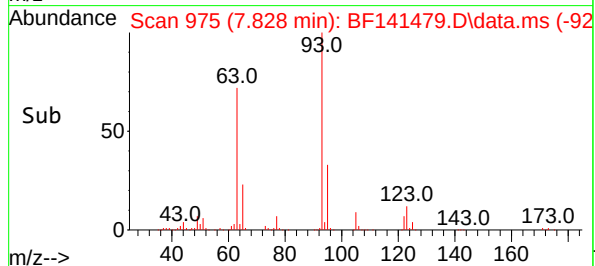
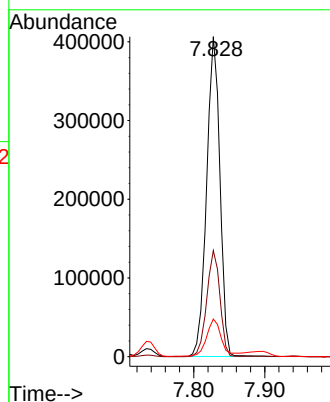
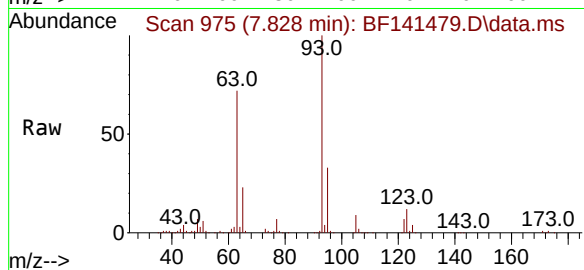
Tgt Ion: 93 Resp: 529442

Ion Ratio Lower Upper

93 100

95 33.2 26.1 39.1

123 11.8 9.5 14.3



#29

2,4-Dichlorophenol

Concen: 79.645 ng

RT: 7.939 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

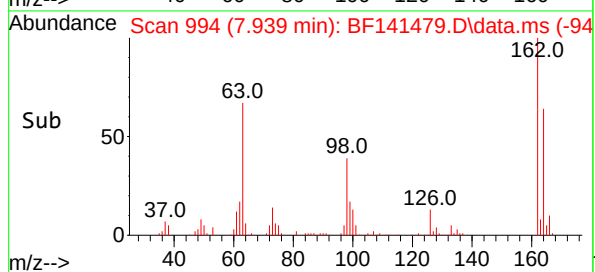
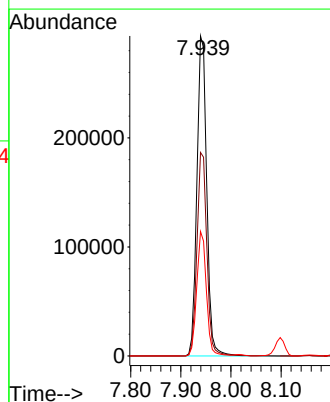
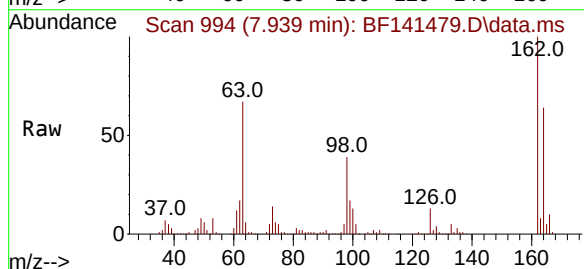
Tgt Ion: 162 Resp: 399027

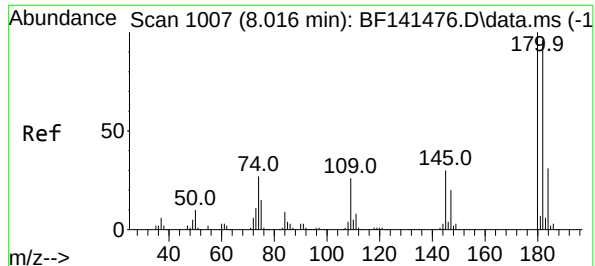
Ion Ratio Lower Upper

162 100

164 63.6 44.6 84.6

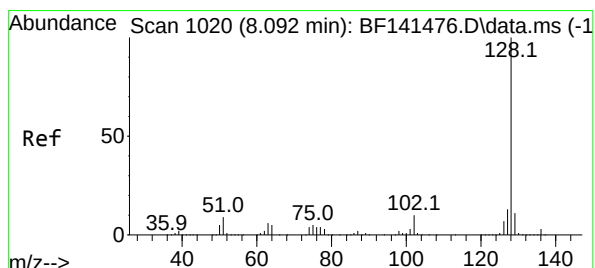
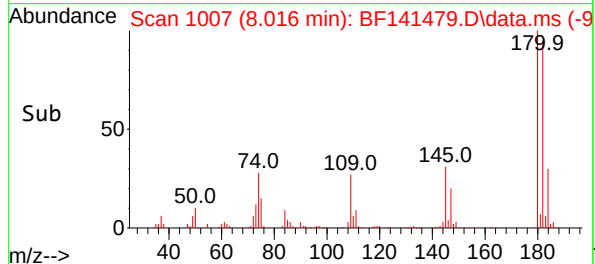
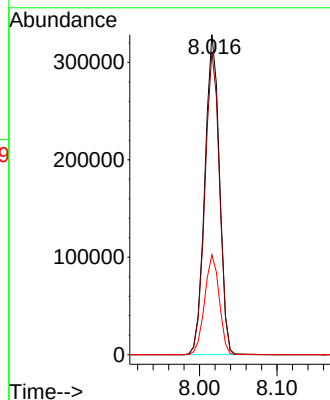
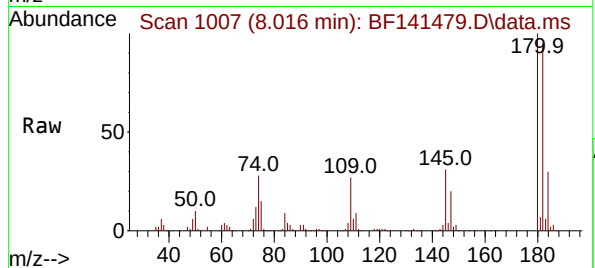
98 38.9 17.2 57.2





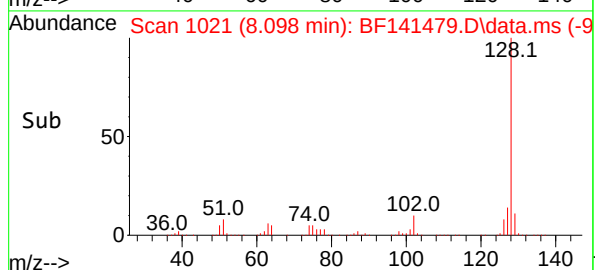
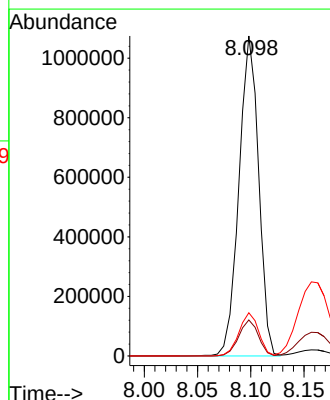
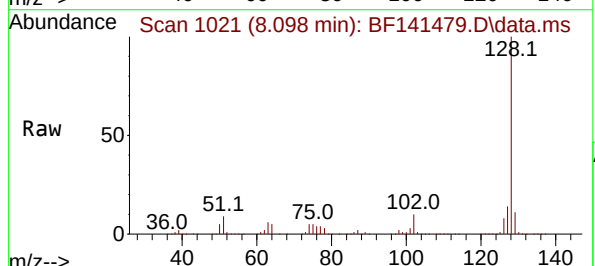
#30
1,2,4-Trichlorobenzene
Concen: 78.568 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

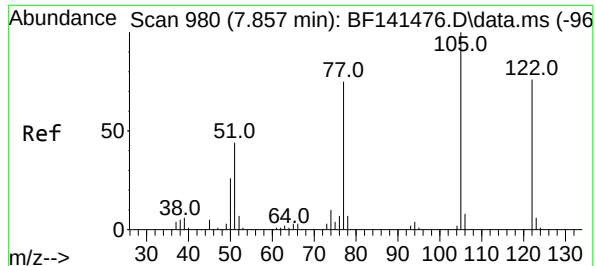
Tgt Ion:180 Resp: 428656
Ion Ratio Lower Upper
180 100
182 94.7 76.8 115.2
145 31.2 24.2 36.4



#31
Naphthalene
Concen: 77.769 ng
RT: 8.098 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:128 Resp: 1381453
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.7 16.1





#32

Benzoic acid

Concen: 87.086 ng

RT: 7.892 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

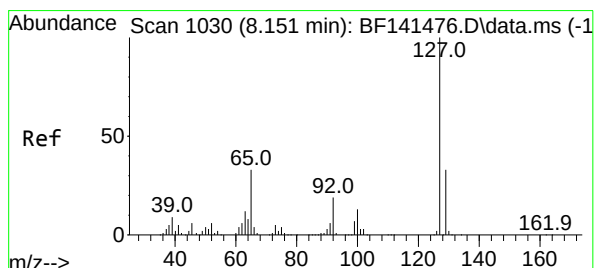
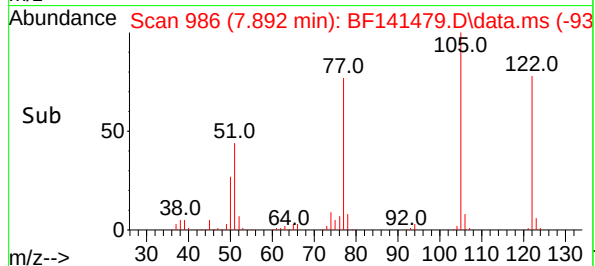
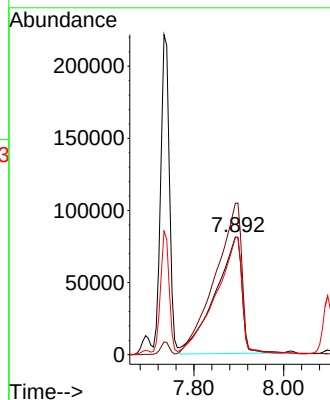
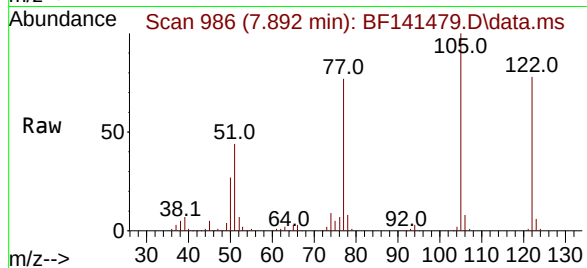
Tgt Ion:122 Resp: 335418

Ion Ratio Lower Upper

122 100

105 128.7 106.5 146.5

77 99.4 76.3 116.3



#33

4-Chloroaniline

Concen: 81.400 ng

RT: 8.157 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion:127 Resp: 504834

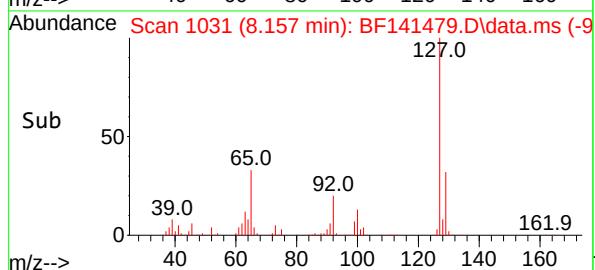
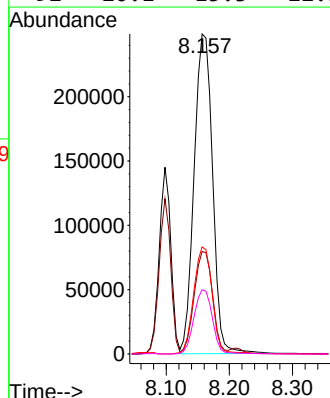
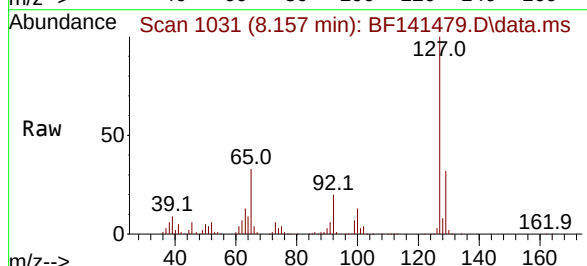
Ion Ratio Lower Upper

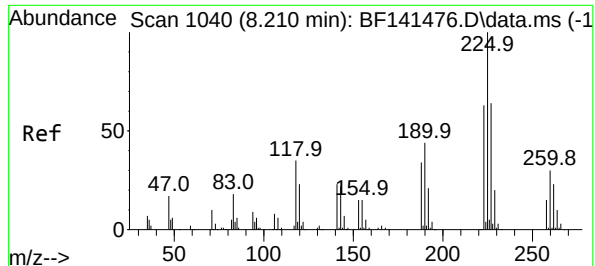
127 100

129 32.0 26.5 39.7

65 33.5 26.4 39.6

92 20.1 15.3 22.9





#34

Hexachlorobutadiene

Concen: 78.628 ng

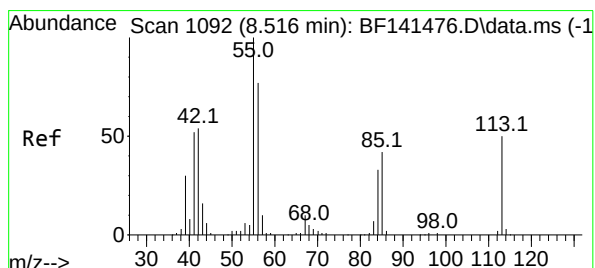
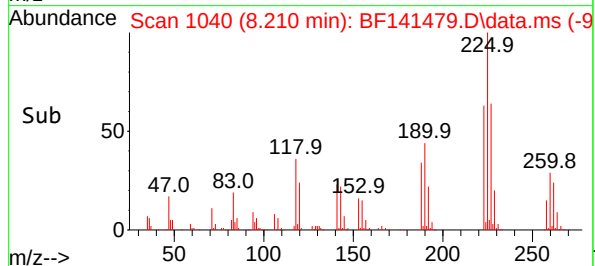
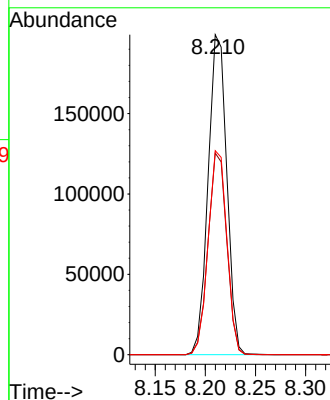
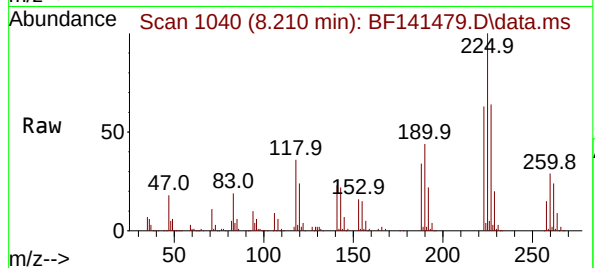
RT: 8.210 min Scan# 1040

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

Tgt Ion:	225	Resp:	257532
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.8	51.0	76.6



#35

Caprolactam

Concen: 82.350 ng

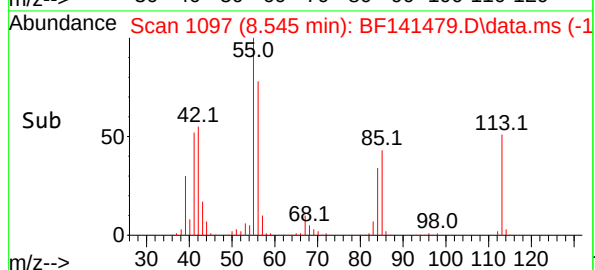
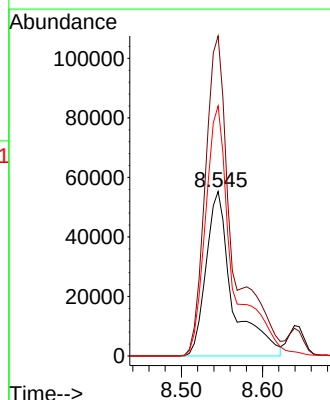
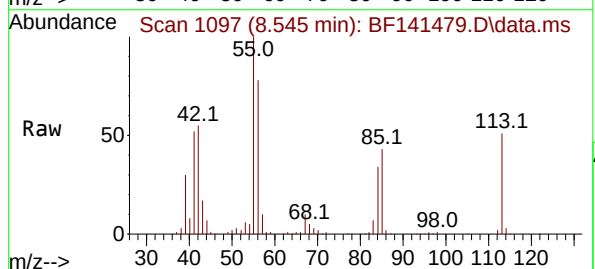
RT: 8.545 min Scan# 1097

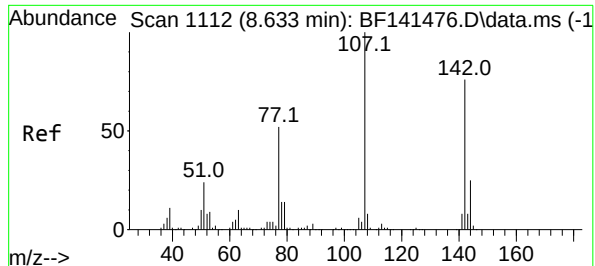
Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

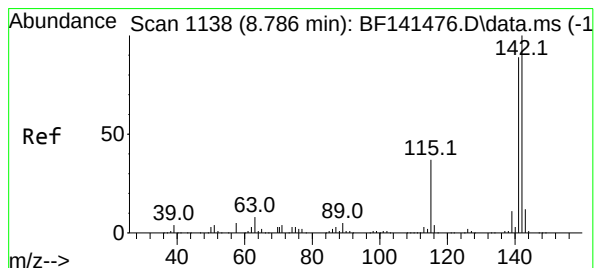
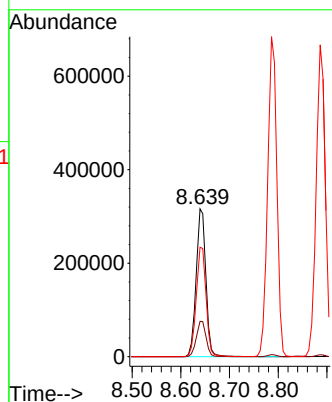
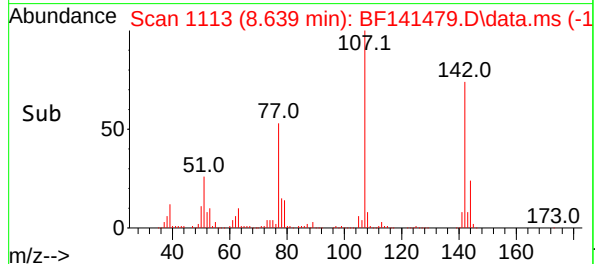
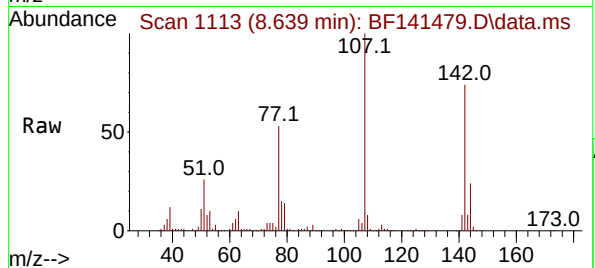
Tgt Ion:	113	Resp:	125619
Ion	Ratio	Lower	Upper
113	100		
55	194.6	180.8	220.8
56	152.1	133.6	173.6





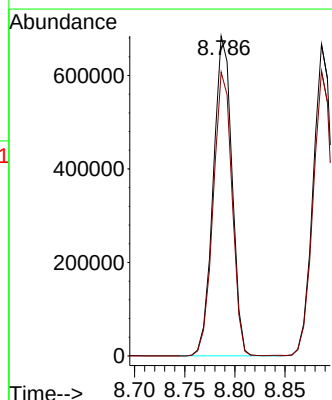
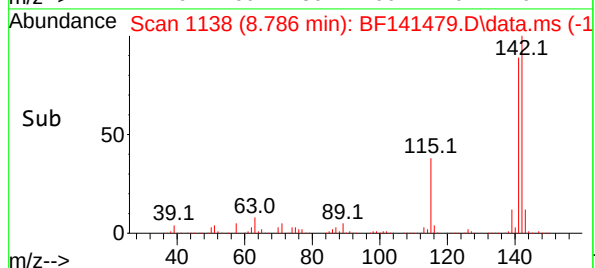
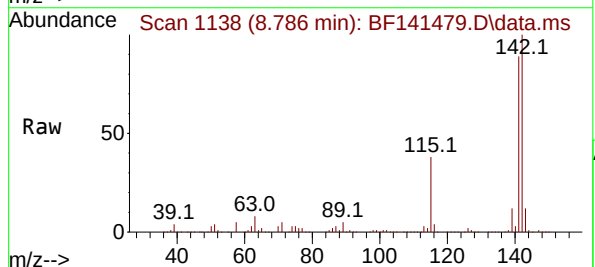
#36
4-Chloro-3-methylphenol
Concen: 79.630 ng
RT: 8.639 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

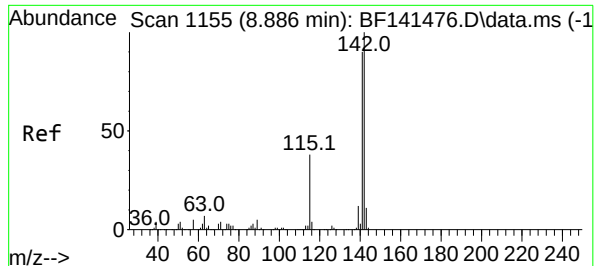
Tgt Ion:107 Resp: 441925
Ion Ratio Lower Upper
107 100
144 23.9 19.7 29.5
142 74.0 60.8 91.2



#37
2-Methylnaphthalene
Concen: 76.975 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 889774
Ion Ratio Lower Upper
142 100
141 88.7 71.2 106.8





#38

1-Methylnaphthalene

Concen: 76.983 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF141479.D

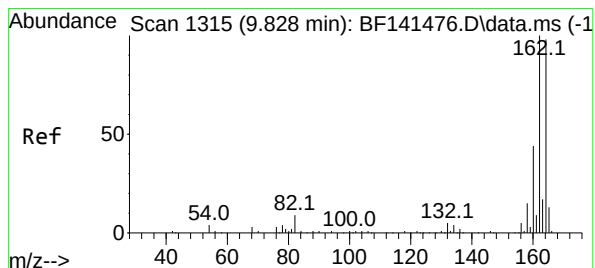
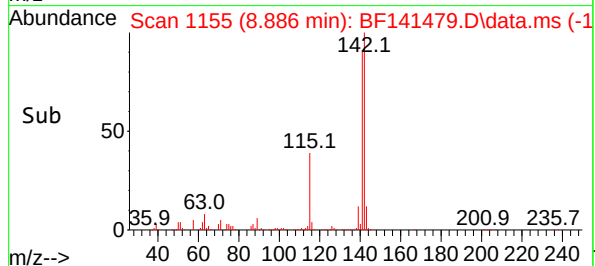
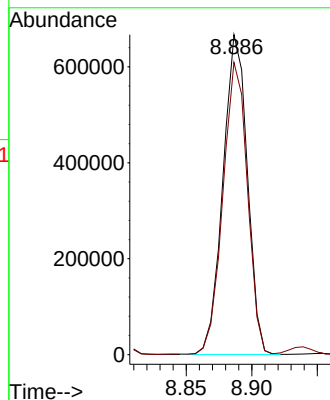
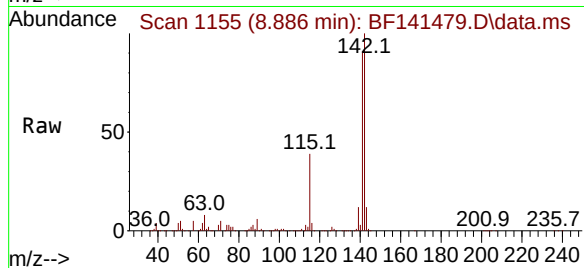
Acq: 06 Feb 2025 14:14

Tgt Ion:142 Resp: 861860

Ion Ratio Lower Upper

142 100

141 91.3 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

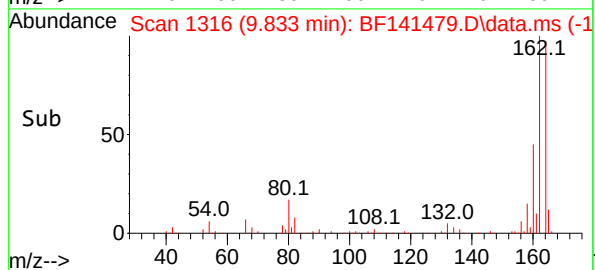
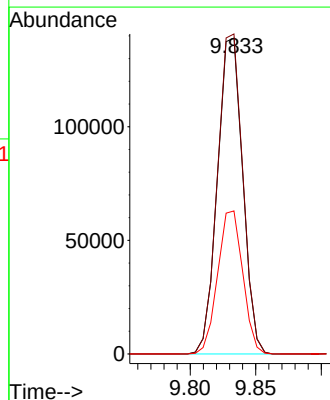
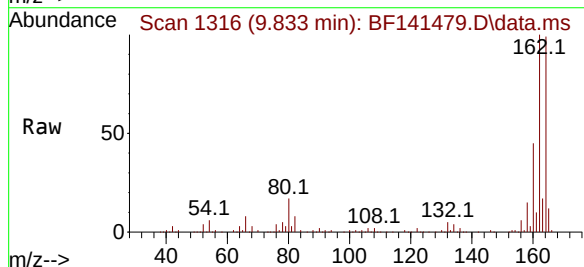
Tgt Ion:164 Resp: 186230

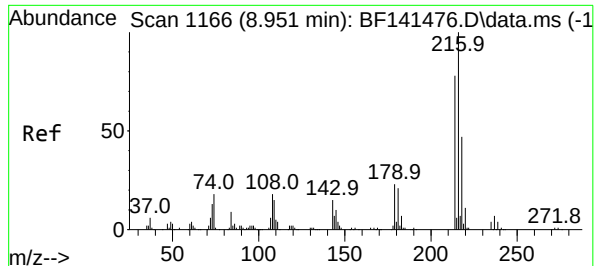
Ion Ratio Lower Upper

164 100

162 101.3 81.3 121.9

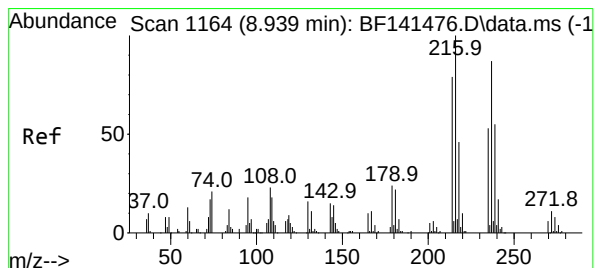
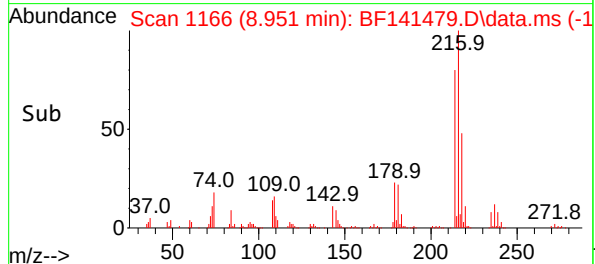
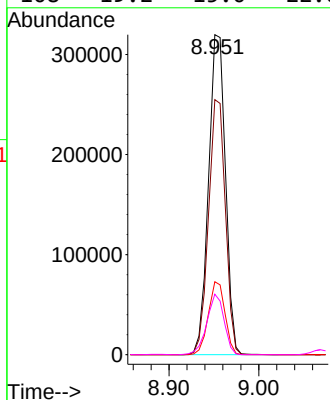
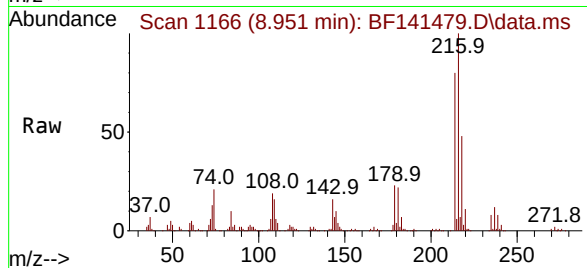
160 45.3 35.9 53.9





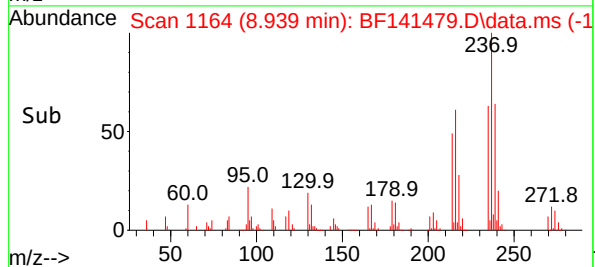
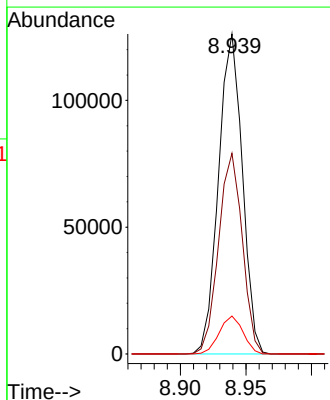
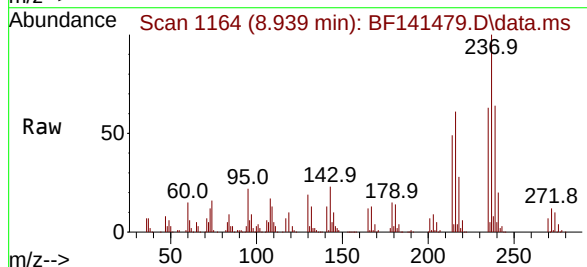
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.689 ng
RT: 8.951 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

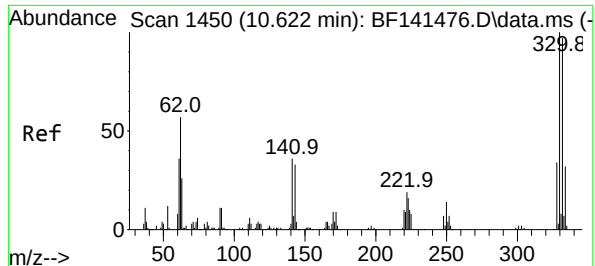
Tgt Ion:	216	Resp:	418579
Ion	Ratio	Lower	Upper
216	100		
214	79.6	62.3	93.5
179	22.4	18.0	27.0
108	19.2	15.0	22.6



#41
Hexachlorocyclopentadiene
Concen: 88.965 ng
RT: 8.939 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

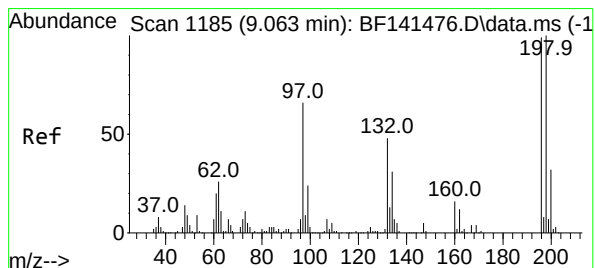
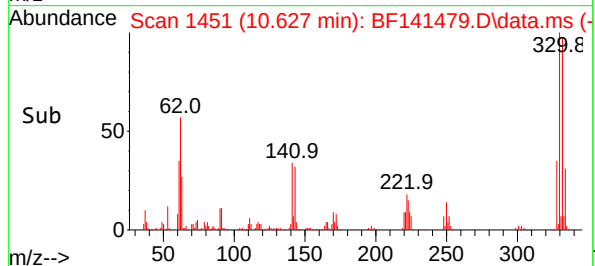
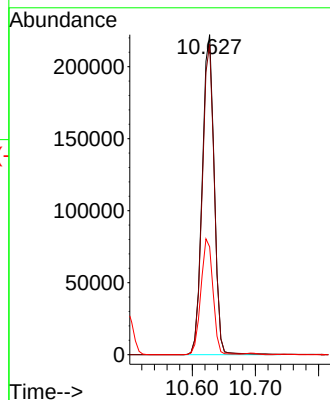
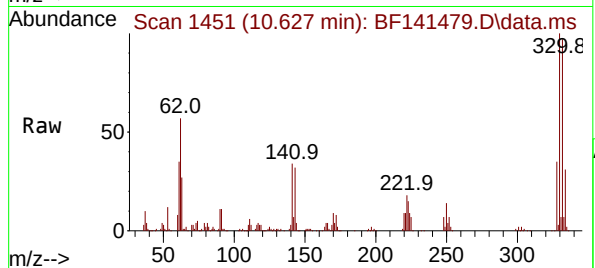
Tgt Ion:	237	Resp:	159430
Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.4	81.4
272	11.9	0.0	32.4





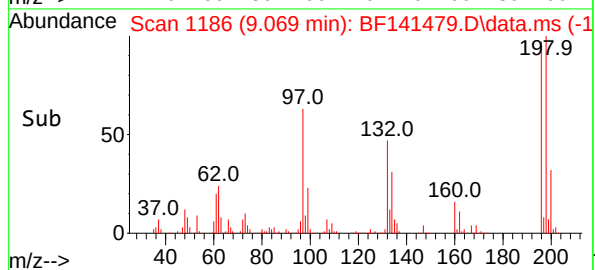
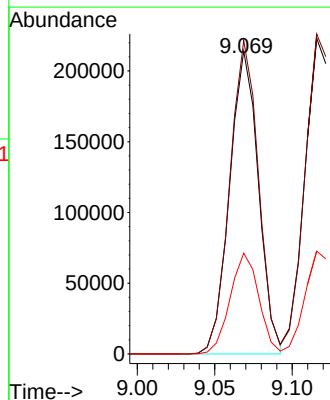
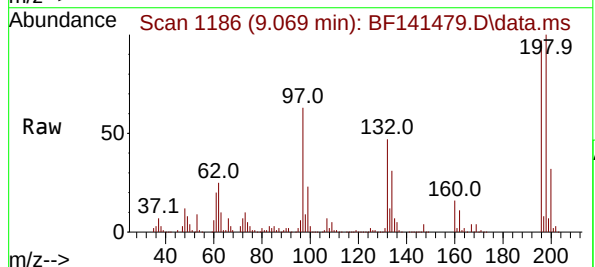
#42
2,4,6-Tribromophenol
Concen: 156.058 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

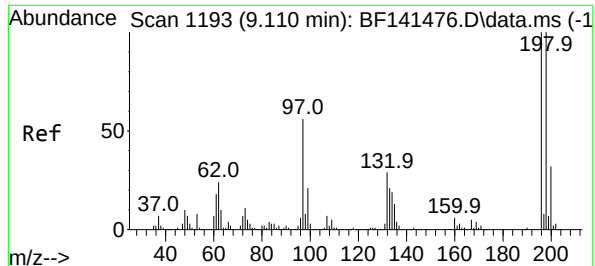
Tgt Ion	330	Resp	291947
Ion Ratio	100	Lower	Upper
332	97.2	78.5	117.7
141	36.6	31.0	46.4



#43
2,4,6-Trichlorophenol
Concen: 79.591 ng
RT: 9.069 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

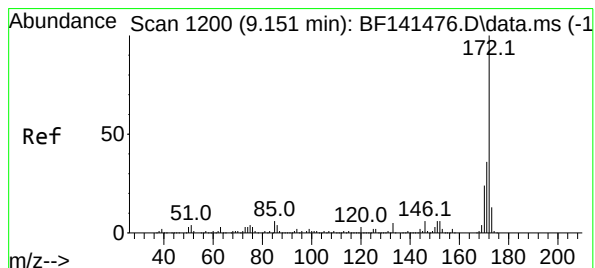
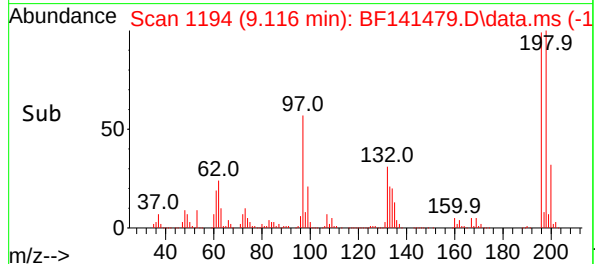
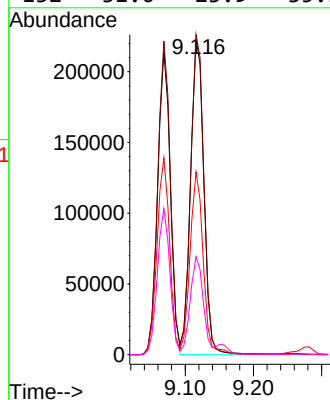
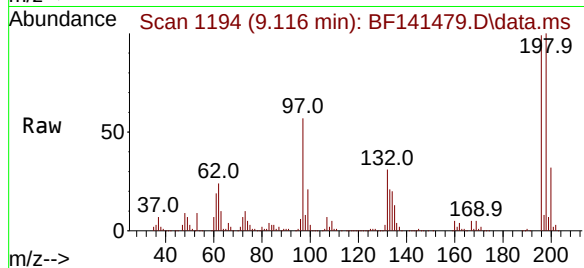
Tgt Ion	196	Resp	277156
Ion Ratio	100	Lower	Upper
198	103.5	80.6	121.0
200	33.3	25.5	38.3





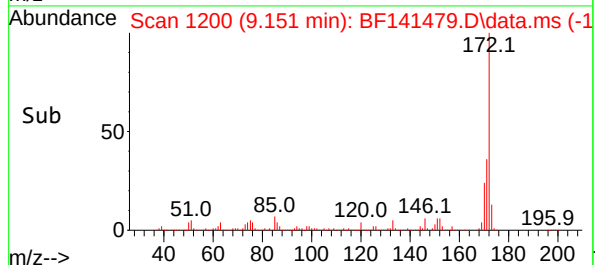
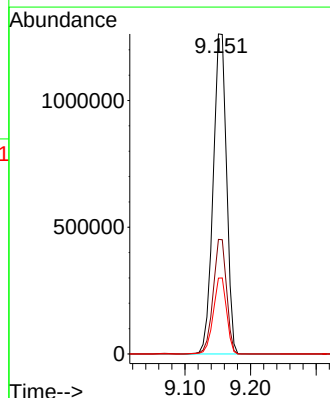
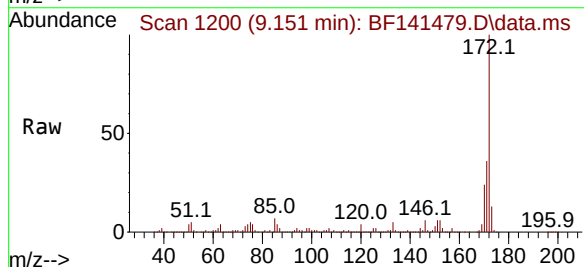
#44
2,4,5-Trichlorophenol
Concen: 79.189 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

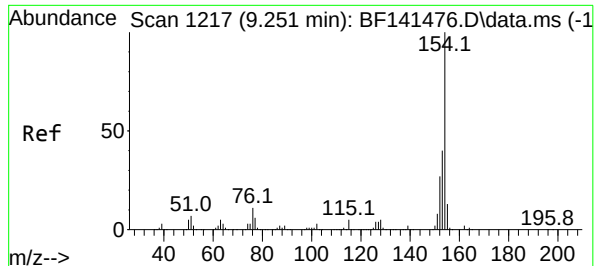
Tgt Ion:196	Resp:	298856
Ion	Ratio	Lower Upper
196	100	
198	101.4	79.8 119.8
97	57.9	44.8 67.2
132	31.0	23.9 35.9



#45
2-Fluorobiphenyl
Concen: 148.066 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

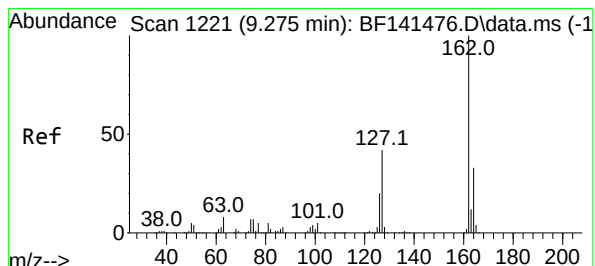
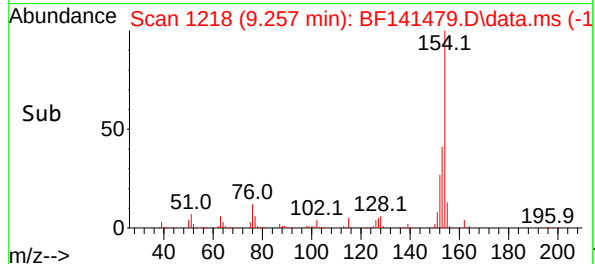
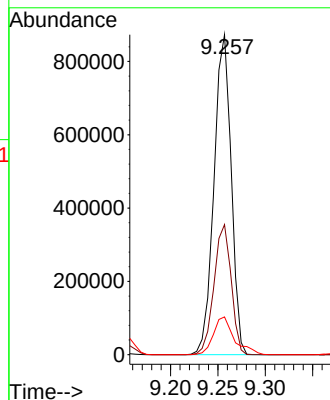
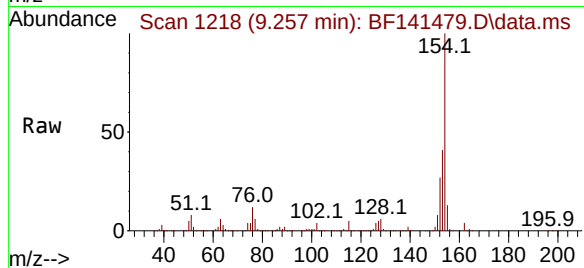
Tgt Ion:172	Resp:	1789795
Ion	Ratio	Lower Upper
172	100	
171	35.8	28.7 43.1
170	23.7	18.9 28.3





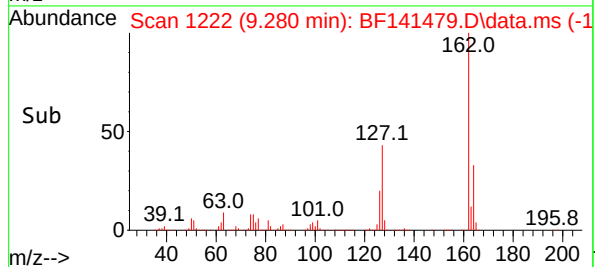
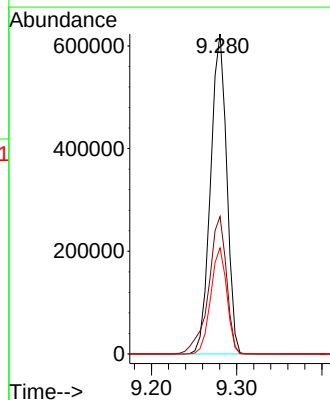
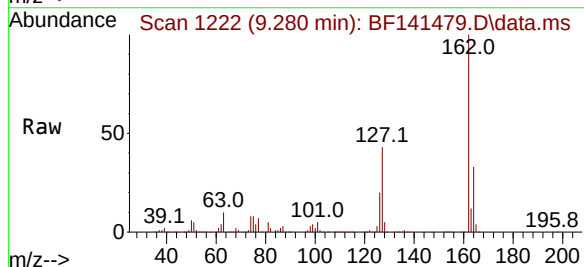
#46
1,1'-Biphenyl
Concen: 76.237 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

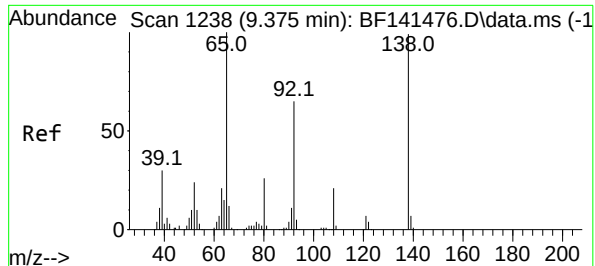
Tgt Ion:154 Resp: 1100720
Ion Ratio Lower Upper
154 100
153 40.7 20.4 60.4
76 11.8 0.0 30.8



#47
2-Chloronaphthalene
Concen: 76.929 ng
RT: 9.280 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

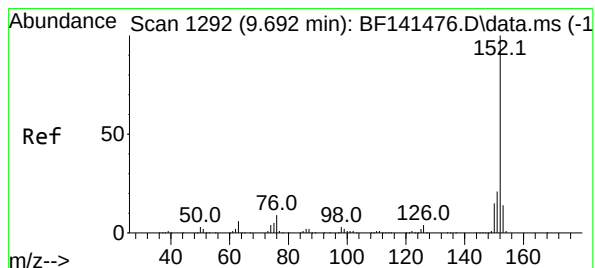
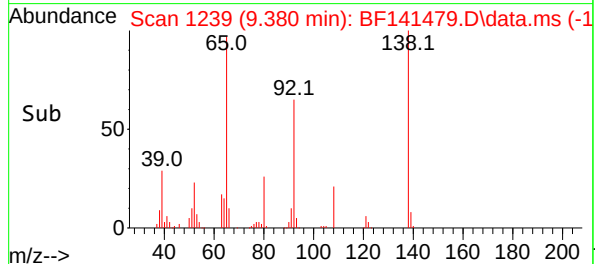
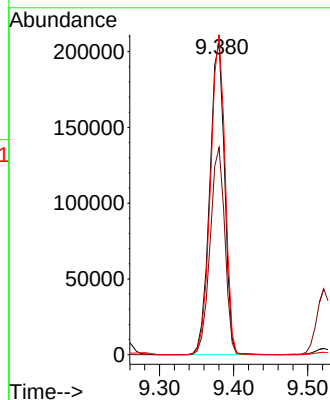
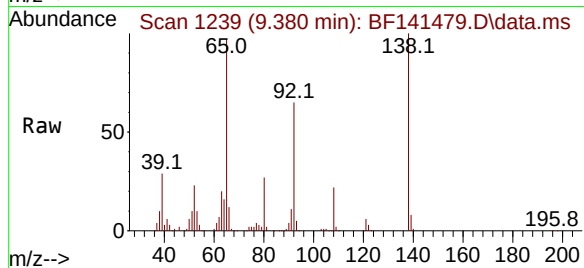
Tgt Ion:162 Resp: 821334
Ion Ratio Lower Upper
162 100
127 43.0 34.1 51.1
164 33.2 26.3 39.5





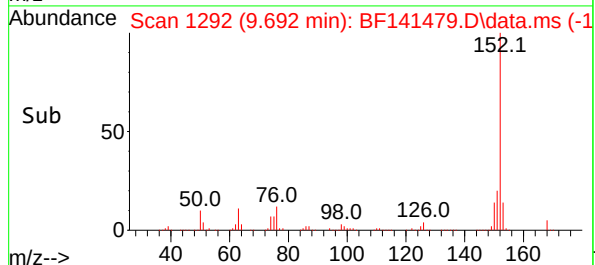
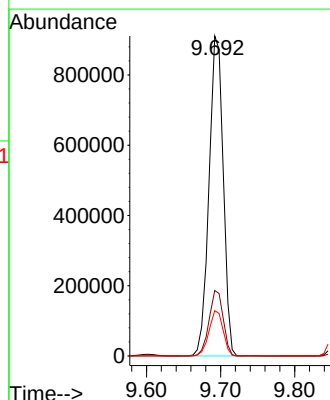
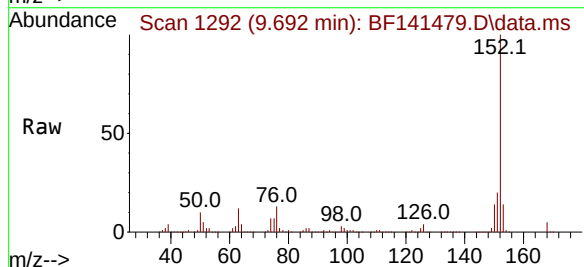
#48
2-Nitroaniline
Concen: 79.969 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

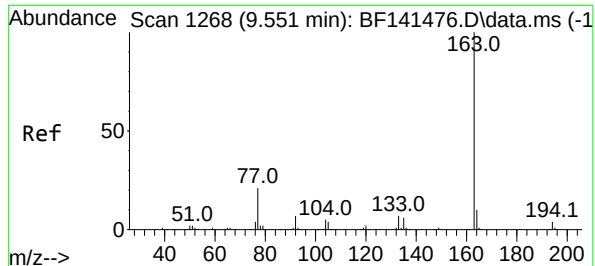
Tgt Ion: 65 Resp: 286532
Ion Ratio Lower Upper
65 100
92 66.4 52.2 78.2
138 102.6 79.5 119.3



#49
Acenaphthylene
Concen: 76.291 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

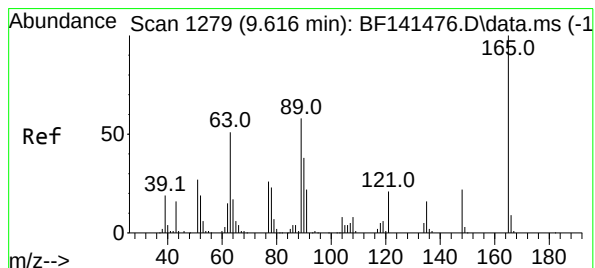
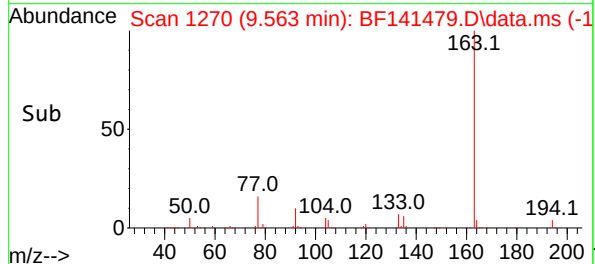
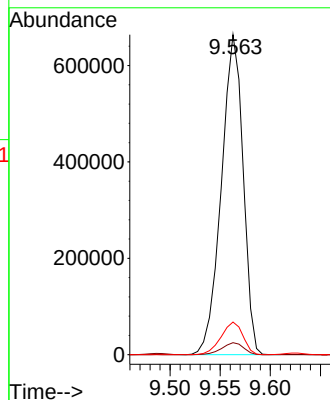
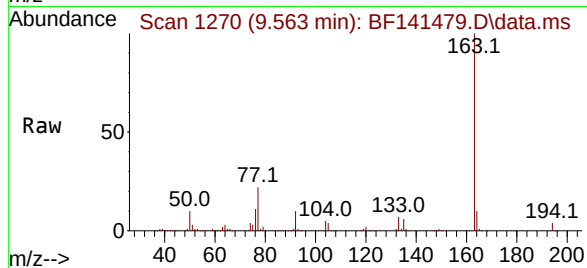
Tgt Ion: 152 Resp: 1211515
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 14.1 10.9 16.3





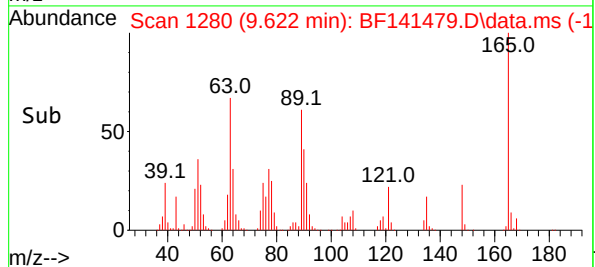
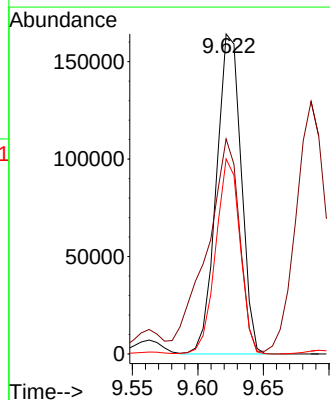
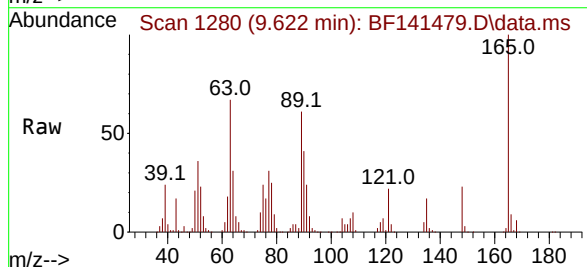
#50
Dimethylphthalate
Concen: 79.265 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

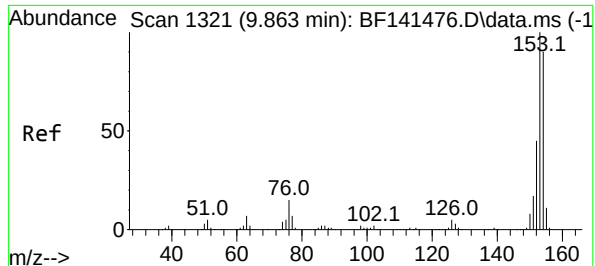
Tgt Ion:163 Resp: 1002121
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.2 7.9 11.9



#51
2,6-Dinitrotoluene
Concen: 78.101 ng
RT: 9.622 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

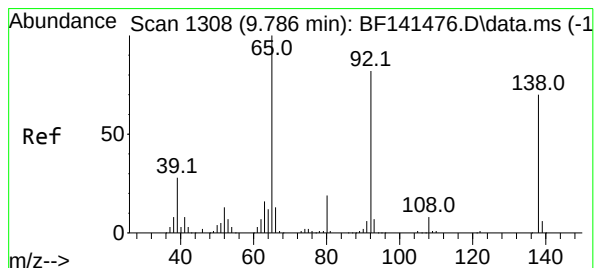
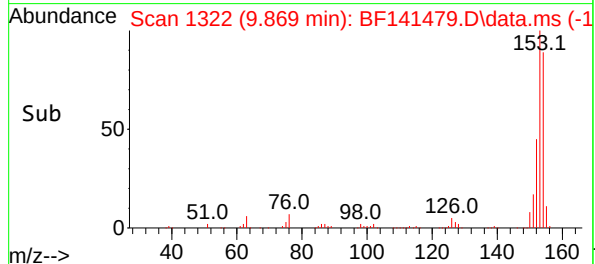
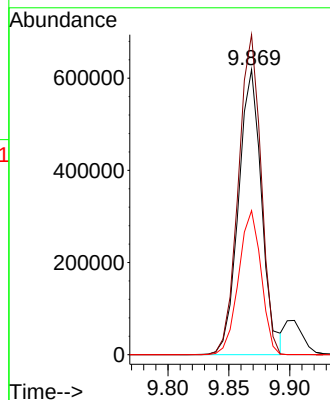
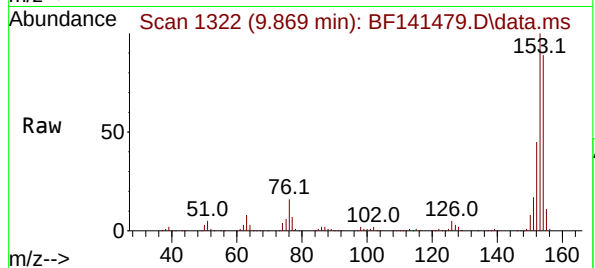
Tgt Ion:165 Resp: 215853
Ion Ratio Lower Upper
165 100
63 67.2 49.4 74.0
89 60.9 46.5 69.7





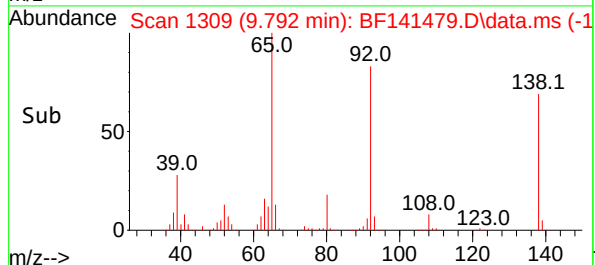
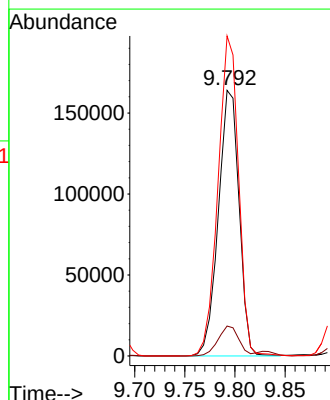
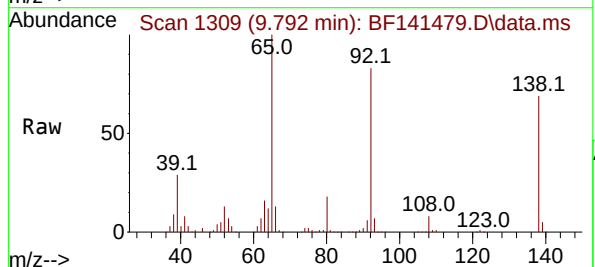
#52
Acenaphthene
Concen: 76.791 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

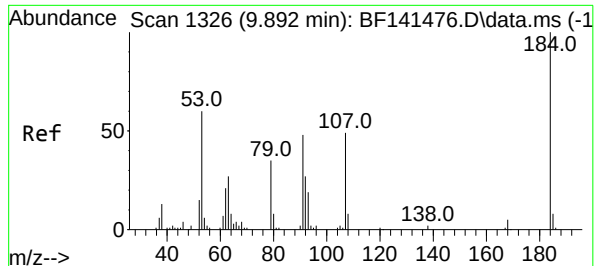
Tgt Ion:154 Resp: 819818
Ion Ratio Lower Upper
154 100
153 112.2 89.2 133.8
152 50.5 39.8 59.8



#53
3-Nitroaniline
Concen: 79.173 ng
RT: 9.792 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

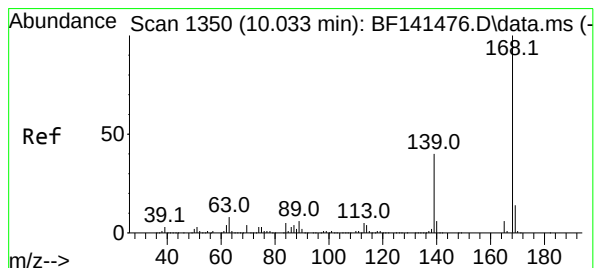
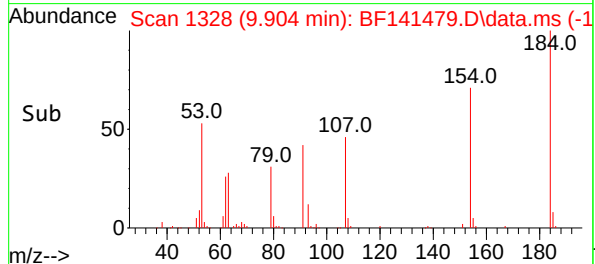
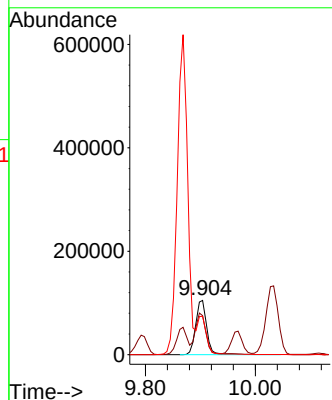
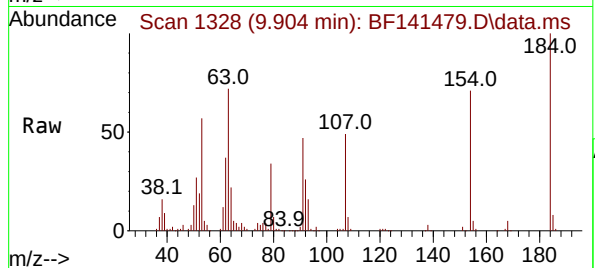
Tgt Ion:138 Resp: 235511
Ion Ratio Lower Upper
138 100
108 11.3 9.0 13.4
92 120.4 93.7 140.5





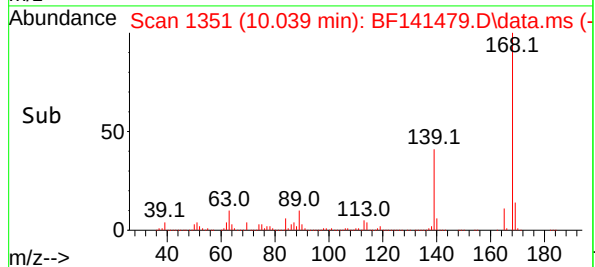
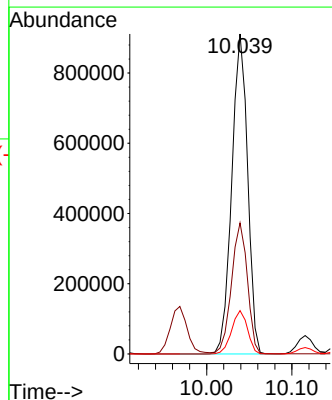
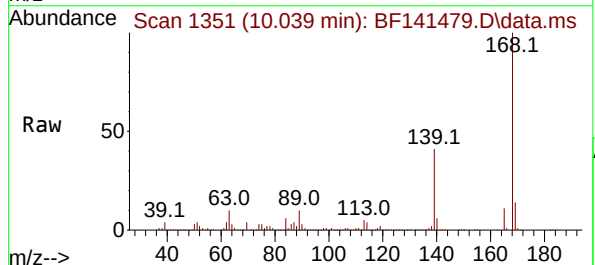
#54
2,4-Dinitrophenol
Concen: 89.960 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

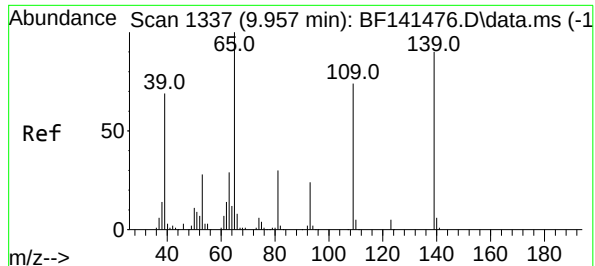
Tgt Ion:184 Resp: 147768
Ion Ratio Lower Upper
184 100
63 72.1 61.0 91.6
154 70.8 59.9 89.9



#55
Dibenzofuran
Concen: 74.928 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

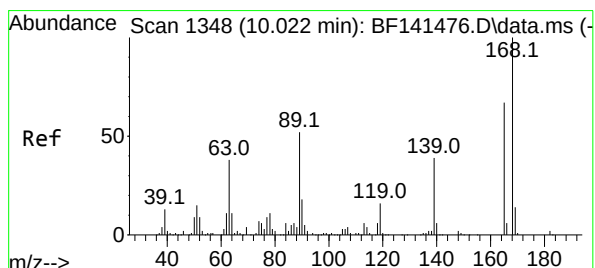
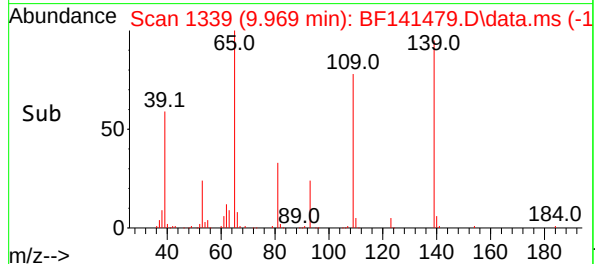
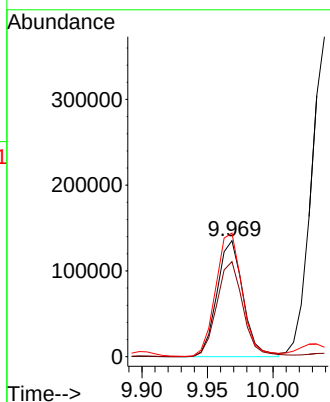
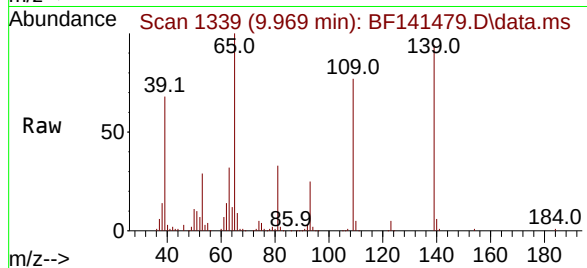
Tgt Ion:168 Resp: 1174157
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.6 10.8 16.2





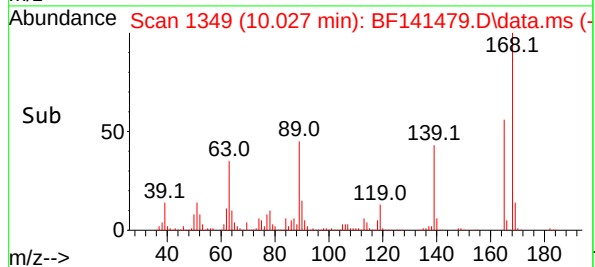
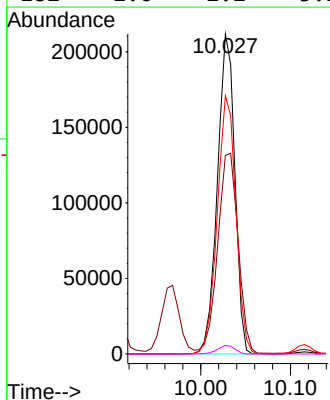
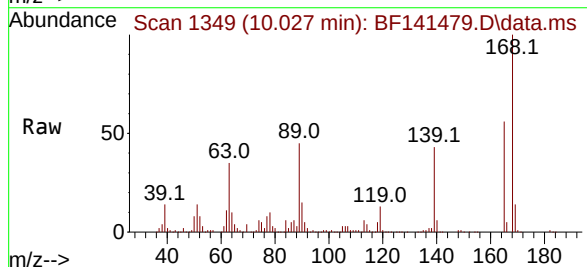
#56
4-Nitrophenol
Concen: 84.744 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

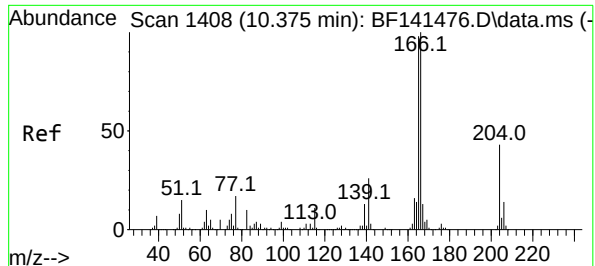
Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.9	62.0	102.0
65	106.7	91.2	131.2



#57
2,4-Dinitrotoluene
Concen: 77.449 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

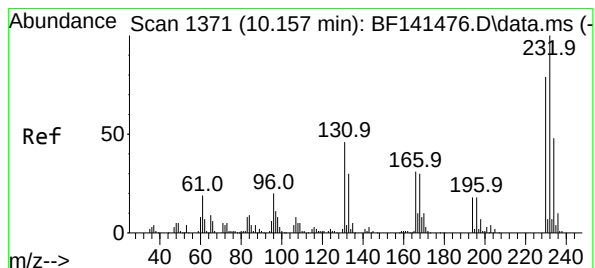
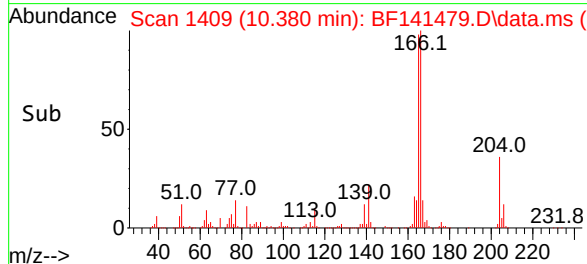
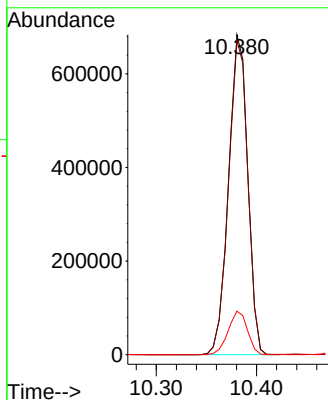
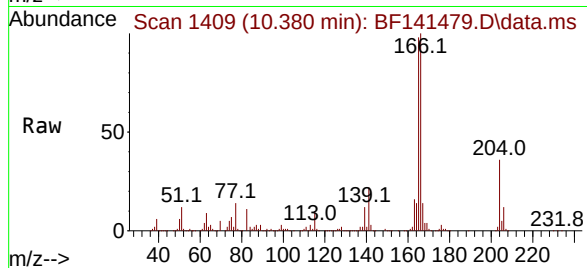
Tgt Ion	Ratio	Lower	Upper
165	100		
63	62.1	46.4	69.6
89	80.7	61.8	92.6
182	2.6	2.2	3.2





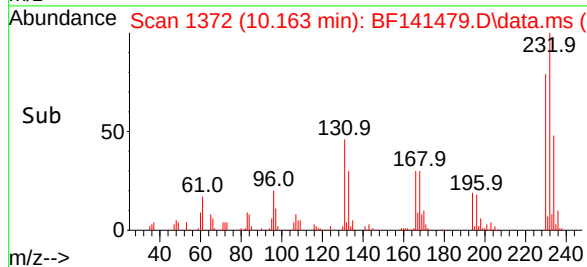
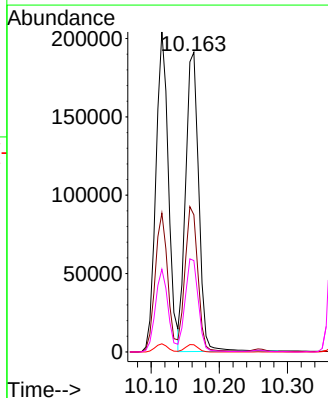
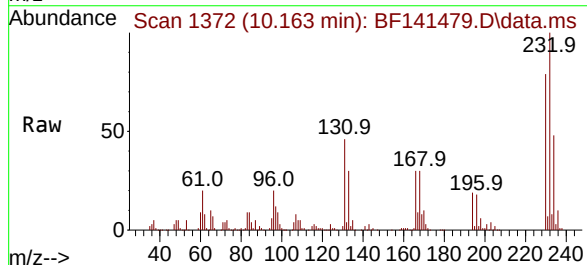
#58
Fluorene
Concen: 75.080 ng
RT: 10.380 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

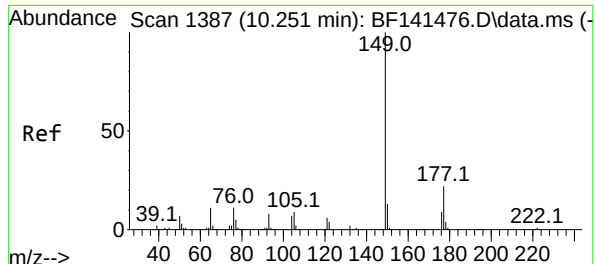
Tgt Ion:166 Resp: 909704
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.2
167 13.6 10.7 16.1



#59
2,3,4,6-Tetrachlorophenol
Concen: 78.006 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

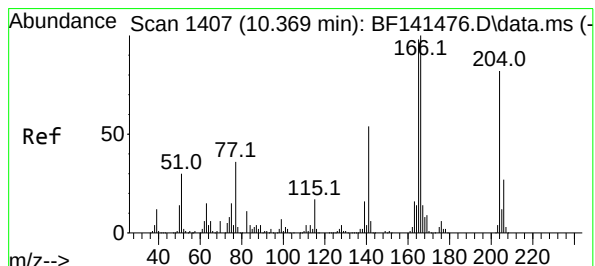
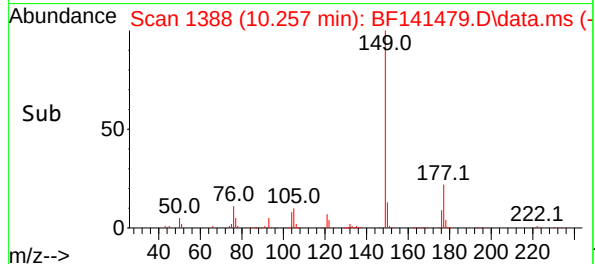
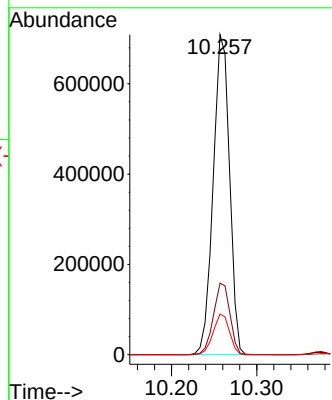
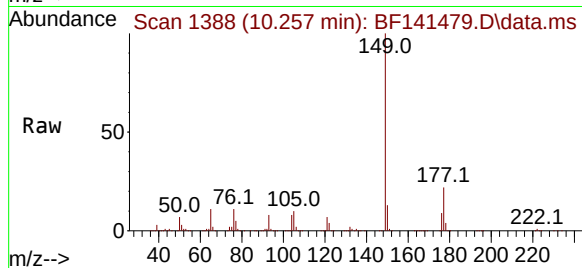
Tgt Ion:232 Resp: 253454
Ion Ratio Lower Upper
232 100
131 47.1 39.2 58.8
130 2.4 2.1 3.1
166 30.7 25.1 37.7





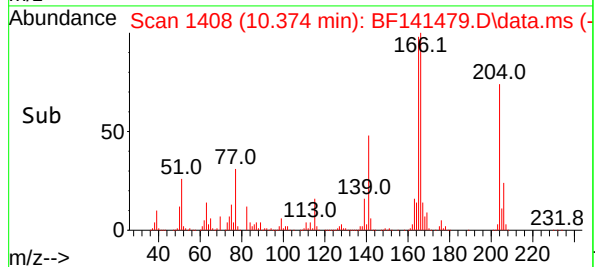
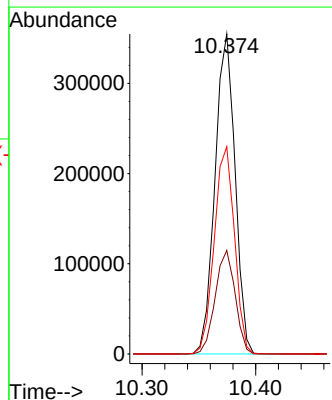
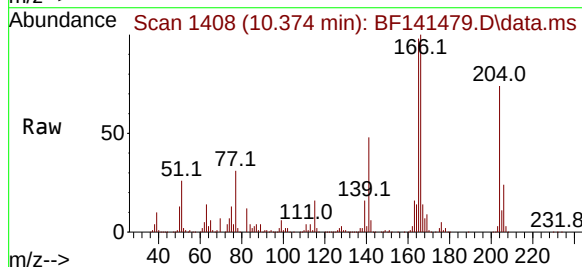
#60
Diethylphthalate
Concen: 75.995 ng
RT: 10.257 min Scan# 1388
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

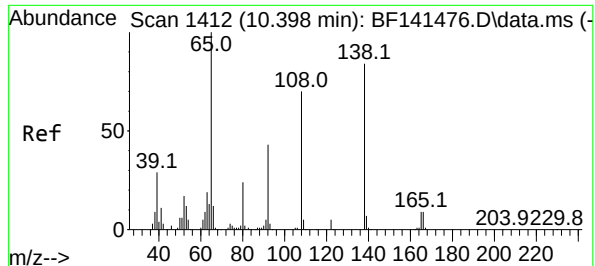
Tgt Ion:149 Resp: 945293
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.7 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 74.716 ng
RT: 10.374 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

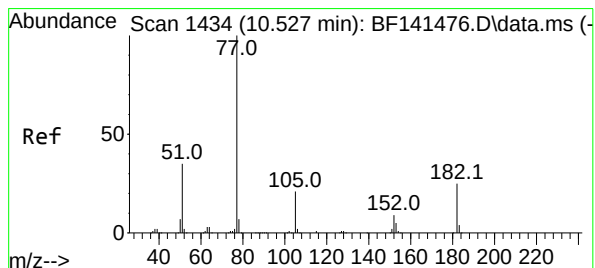
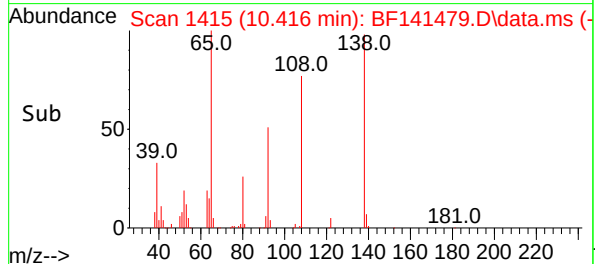
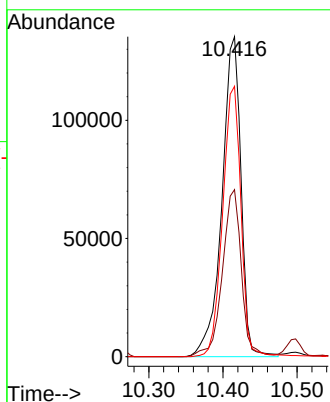
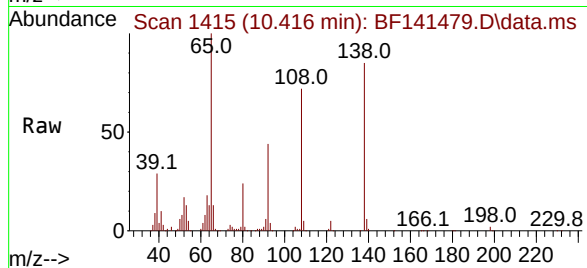
Tgt Ion:204 Resp: 435522
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 64.8 51.9 77.9





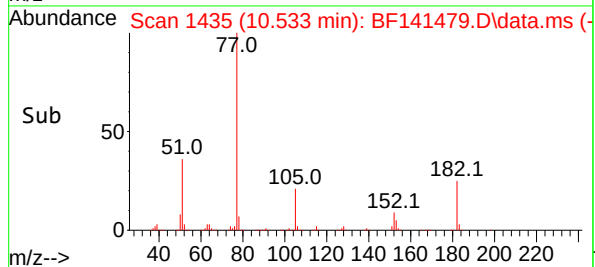
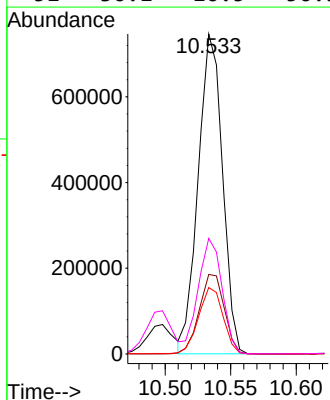
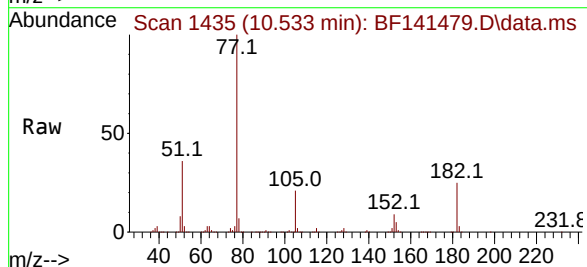
#62
4-Nitroaniline
Concen: 79.873 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

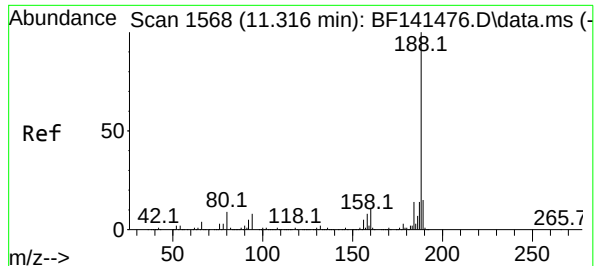
Tgt Ion:138 Resp: 241257
Ion Ratio Lower Upper
138 100
92 52.2 31.3 71.3
108 84.5 63.7 103.7



#63
Azobenzene
Concen: 77.931 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

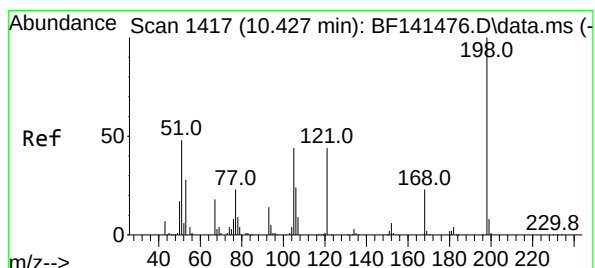
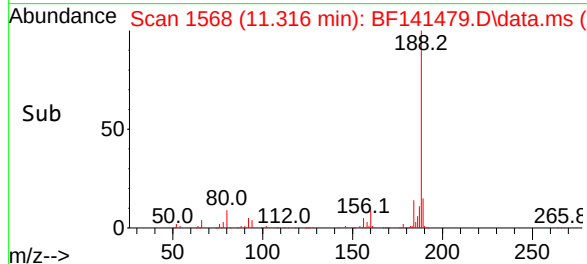
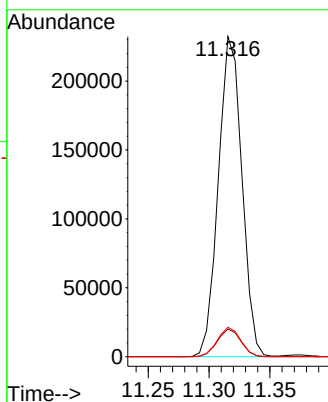
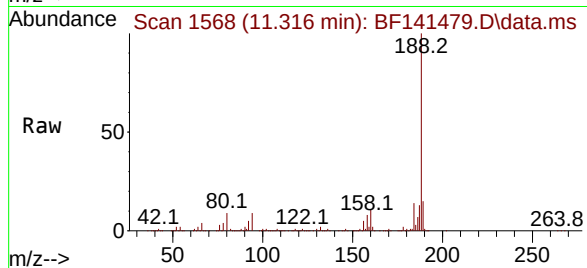
Tgt Ion: 77 Resp: 963689
Ion Ratio Lower Upper
77 100
182 24.9 4.7 44.7
105 20.8 0.4 40.4
51 36.1 16.5 56.5





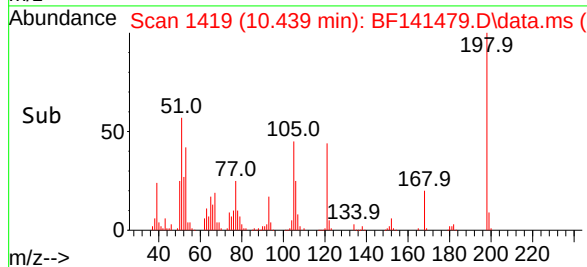
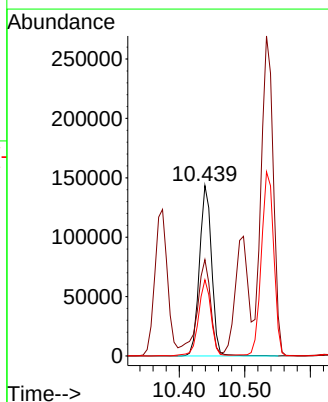
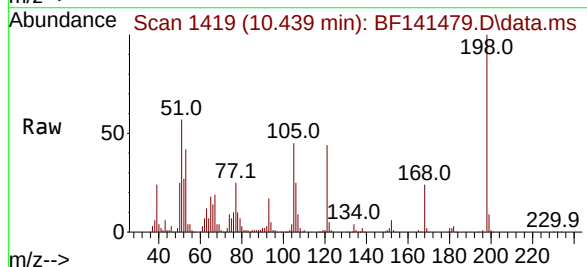
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

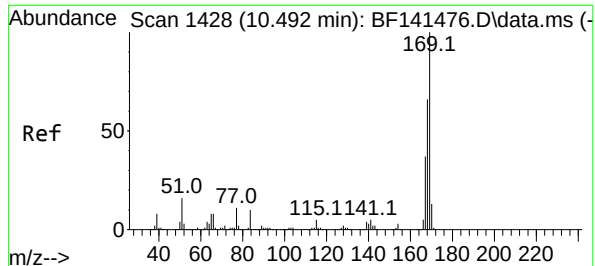
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.3	10.9



#65
4,6-Dinitro-2-methylphenol
Concen: 85.309 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

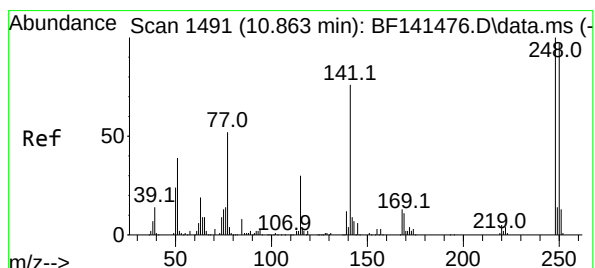
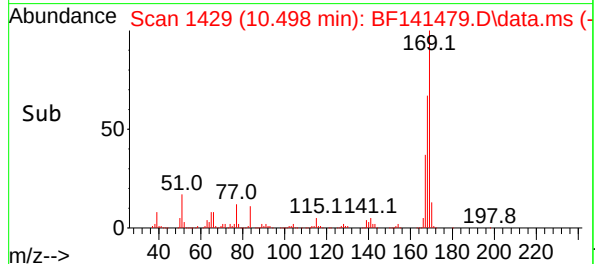
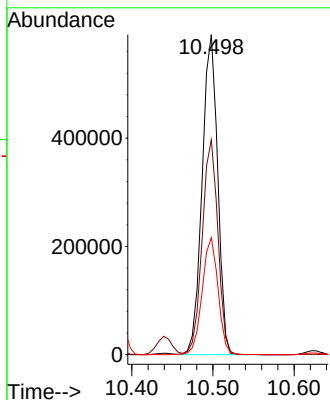
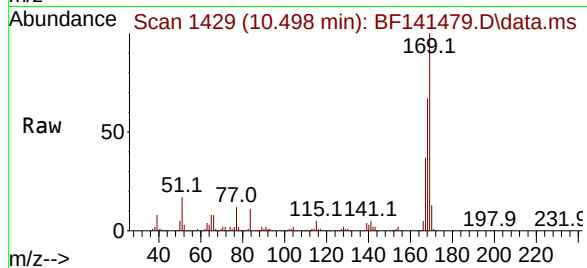
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.6	37.4	77.4
105	44.7	25.2	65.2





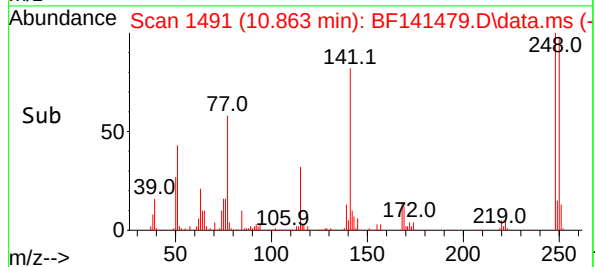
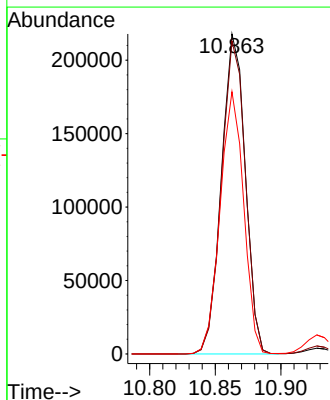
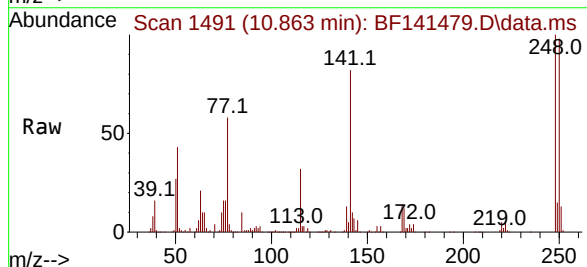
#66
n-Nitrosodiphenylamine
Concen: 78.404 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

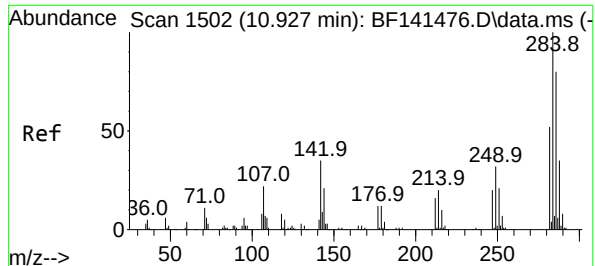
Tgt Ion:169 Resp: 785313
Ion Ratio Lower Upper
169 100
168 67.2 53.3 79.9
167 36.6 29.4 44.2



#67
4-Bromophenyl-phenylether
Concen: 78.988 ng
RT: 10.863 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

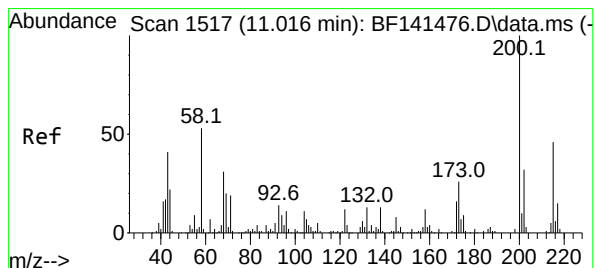
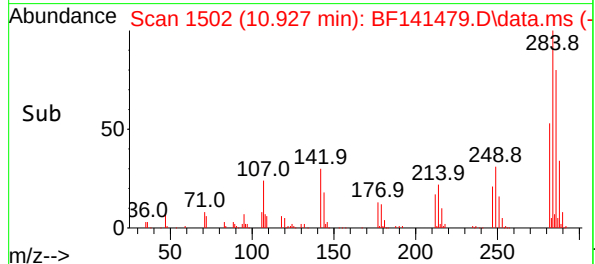
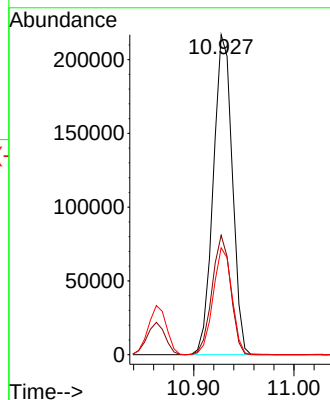
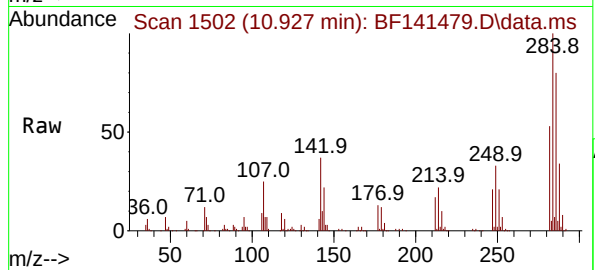
Tgt Ion:248 Resp: 276228
Ion Ratio Lower Upper
248 100
250 97.8 77.8 116.6
141 81.9 60.6 90.8





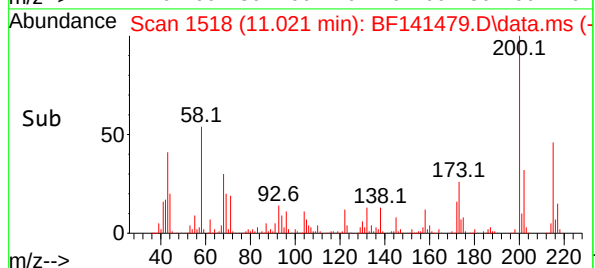
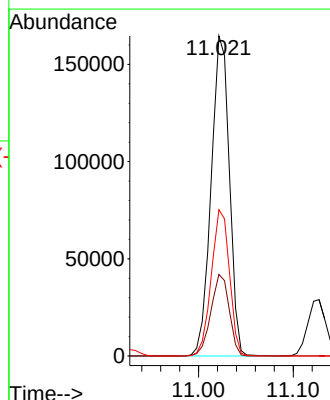
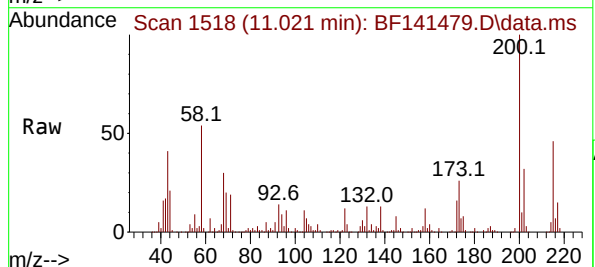
#68
Hexachlorobenzene
Concen: 79.174 ng
RT: 10.927 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

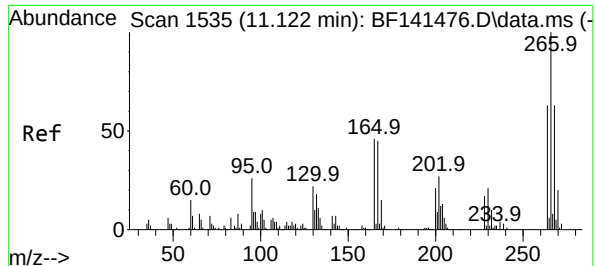
Tgt Ion:284 Resp: 285111
Ion Ratio Lower Upper
284 100
142 37.3 28.0 42.0
249 33.4 25.8 38.8



#69
Atrazine
Concen: 73.188 ng
RT: 11.021 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

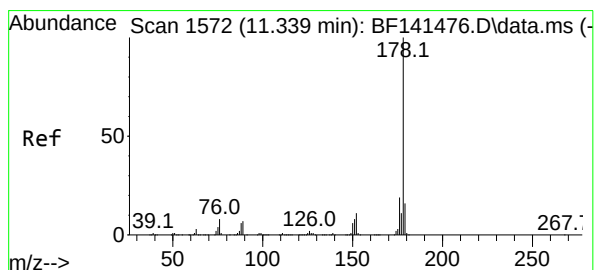
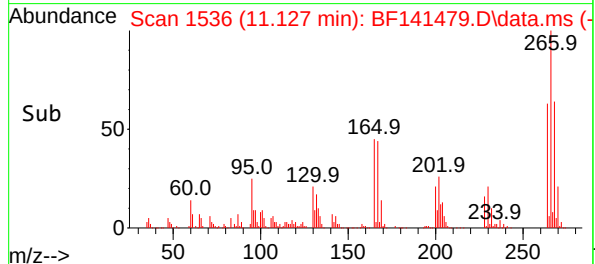
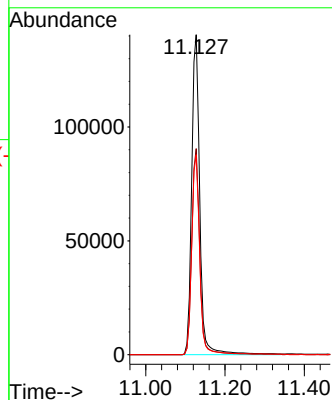
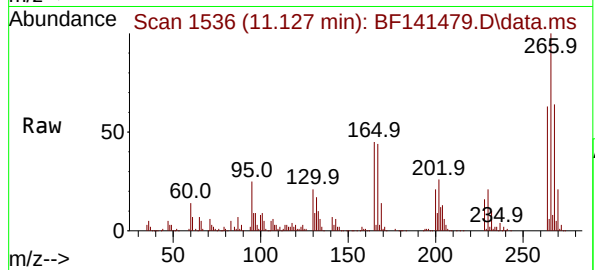
Tgt Ion:200 Resp: 219923
Ion Ratio Lower Upper
200 100
173 25.5 5.9 45.9
215 45.7 25.9 65.9





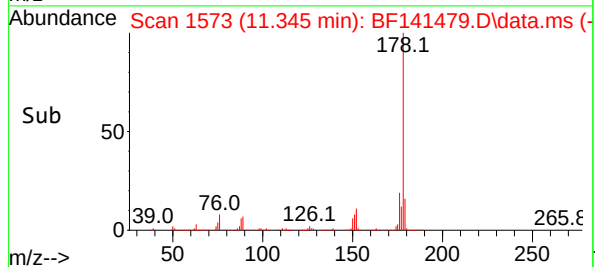
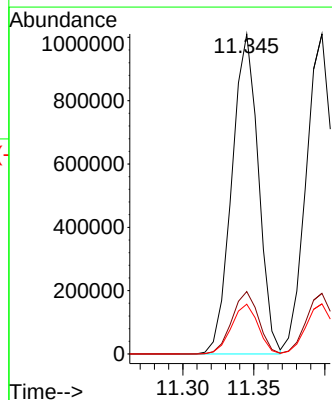
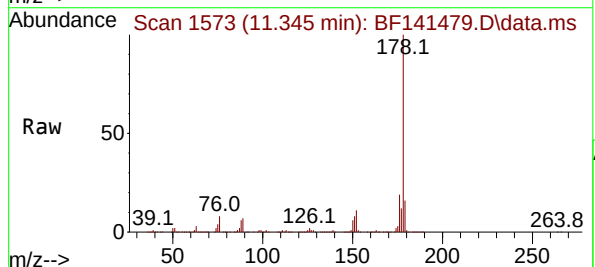
#70
Pentachlorophenol
Concen: 87.100 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

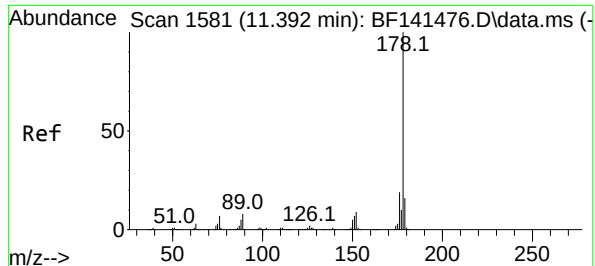
Tgt Ion:266 Resp: 200556
Ion Ratio Lower Upper
266 100
268 64.4 50.1 75.1
264 62.5 50.1 75.1



#71
Phenanthrene
Concen: 76.201 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

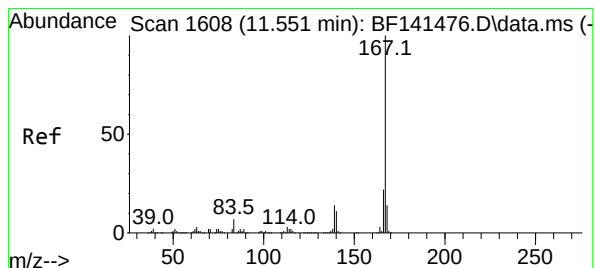
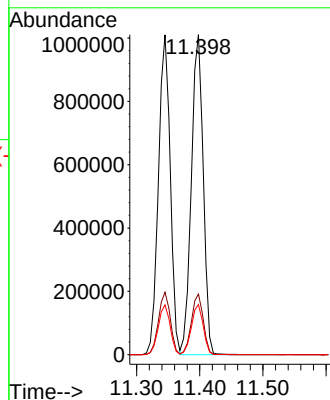
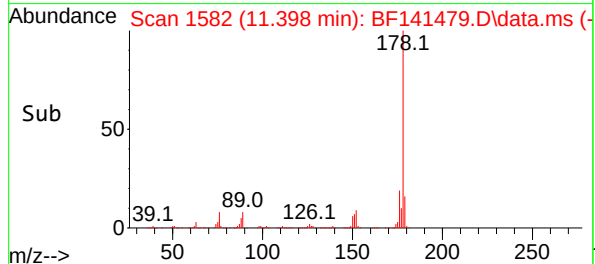
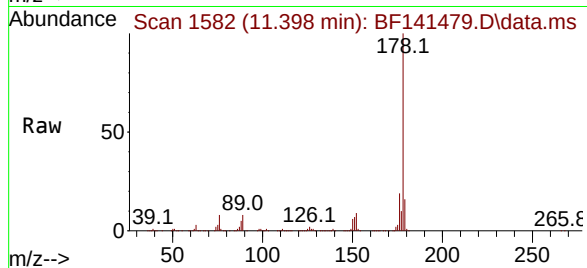
Tgt Ion:178 Resp: 1312474
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6





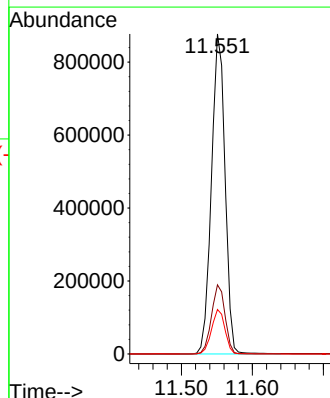
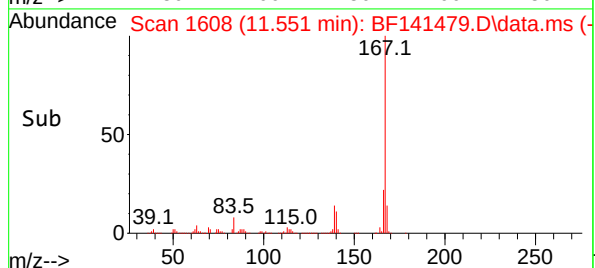
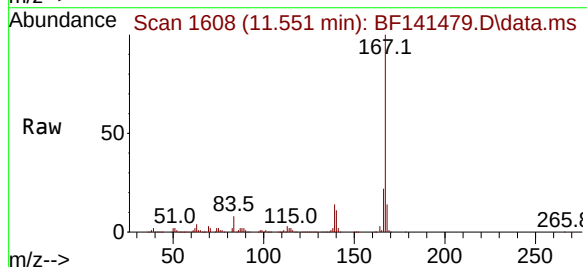
#72
Anthracene
Concen: 76.380 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

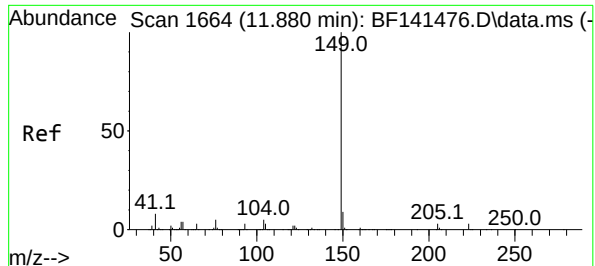
Tgt Ion:178 Resp: 1322462
Ion Ratio Lower Upper
178 100
176 19.0 14.8 22.2
179 15.6 12.4 18.6



#73
Carbazole
Concen: 74.989 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

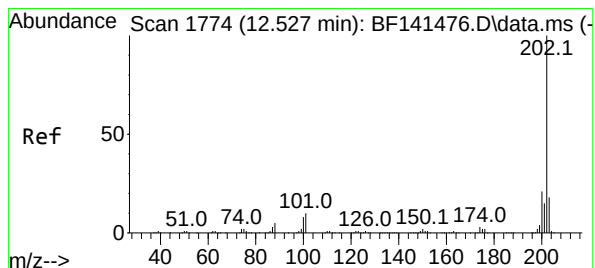
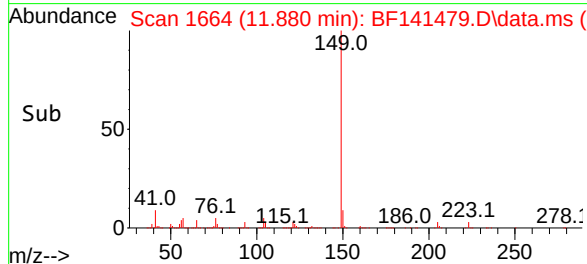
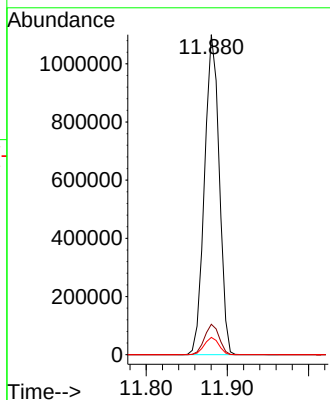
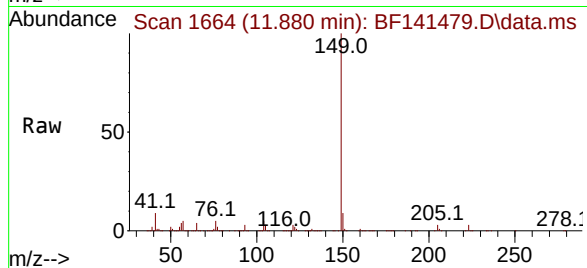
Tgt Ion:167 Resp: 1168253
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.9 10.9 16.3





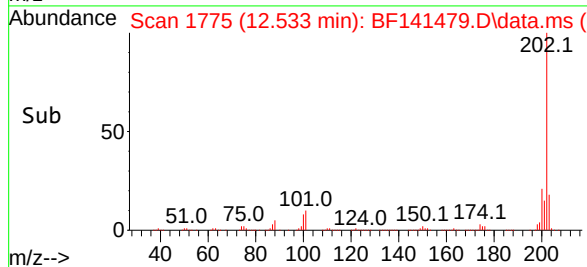
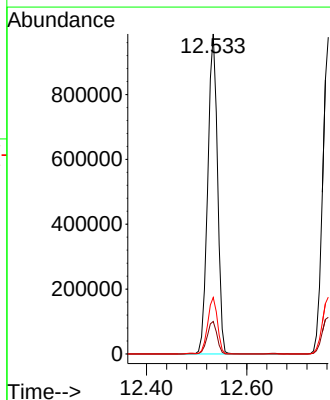
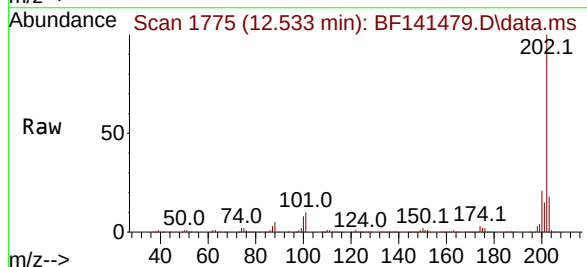
#74
Di-n-butylphthalate
Concen: 76.865 ng
RT: 11.880 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

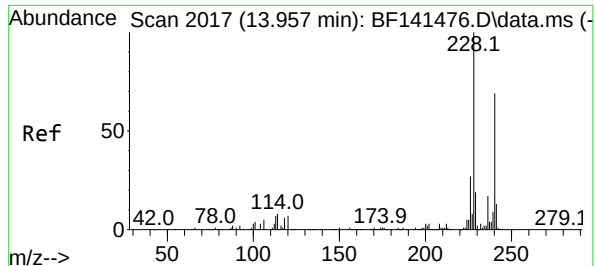
Tgt Ion:149 Resp: 1382706
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.4 4.2 6.2



#75
Fluoranthene
Concen: 73.011 ng
RT: 12.533 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

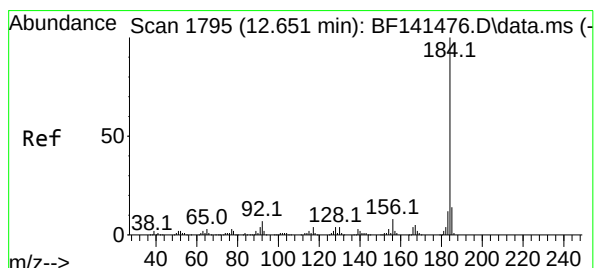
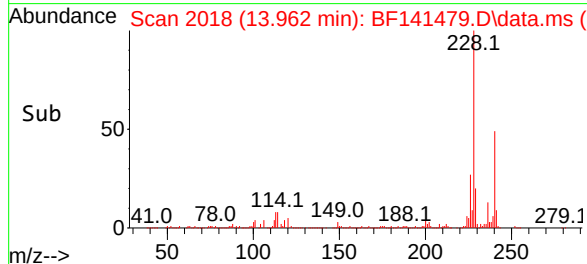
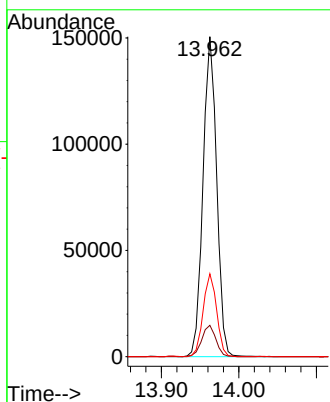
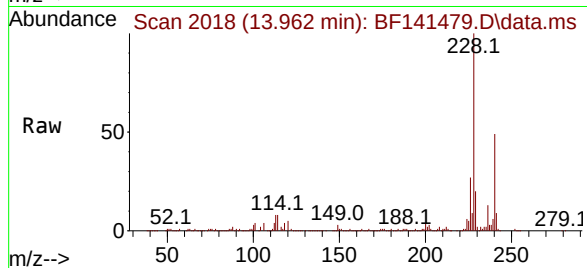
Tgt Ion:202 Resp: 1333237
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.6 0.0 37.6





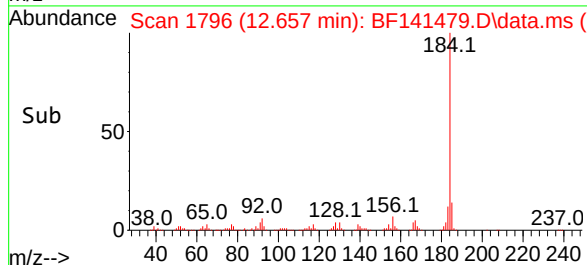
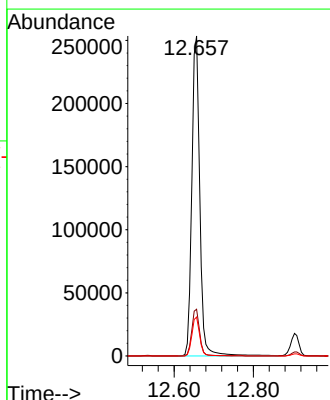
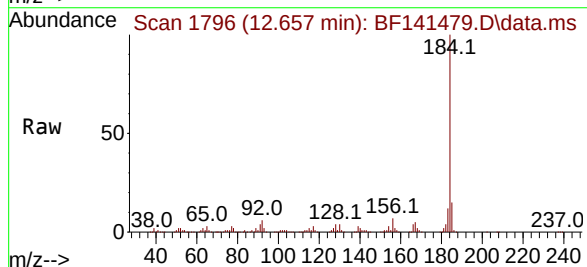
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

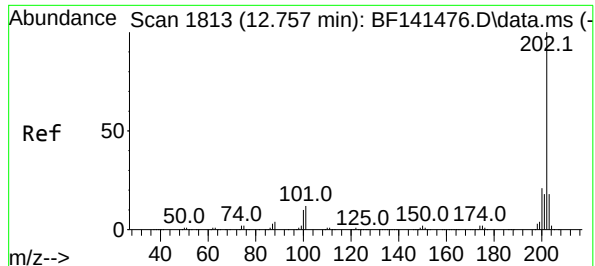
Tgt Ion:240 Resp: 184347
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.9 19.8 29.8



#77
Benzidine
Concen: 87.207 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

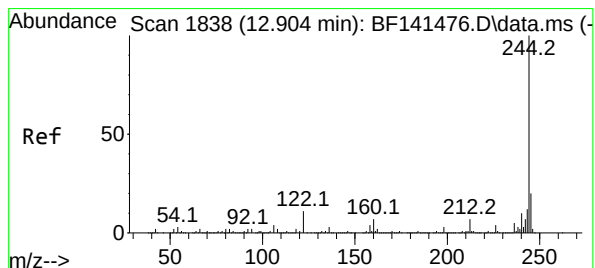
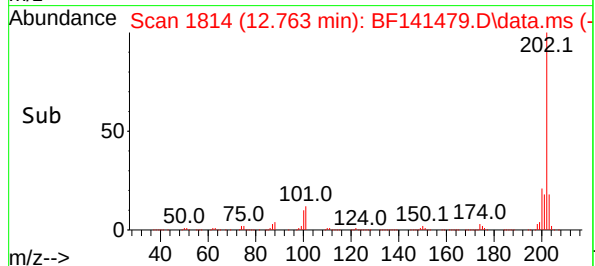
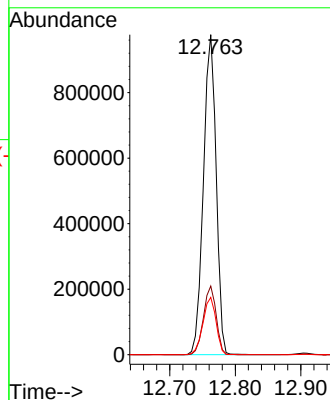
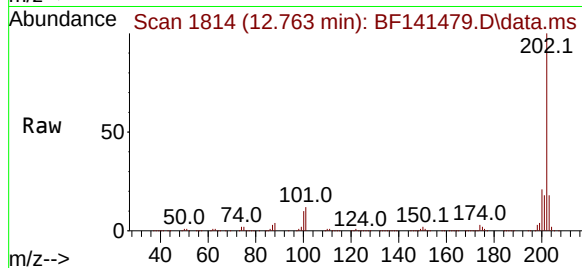
Tgt Ion:184 Resp: 354555
Ion Ratio Lower Upper
184 100
185 14.6 11.3 16.9
183 12.1 9.3 13.9





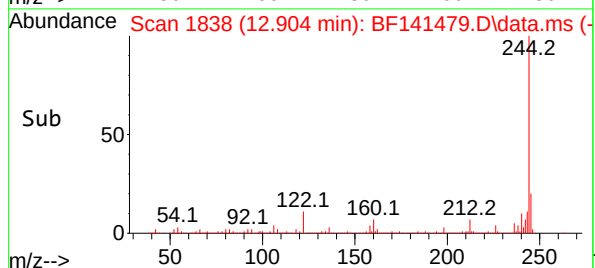
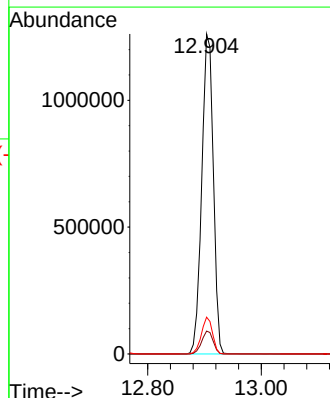
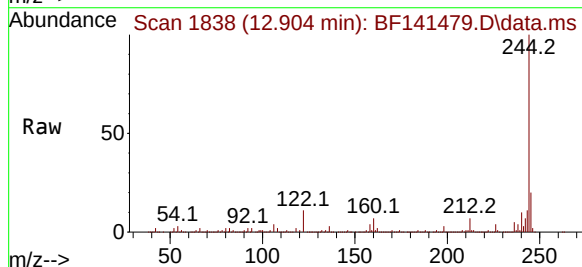
#78
Pyrene
Concen: 84.086 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

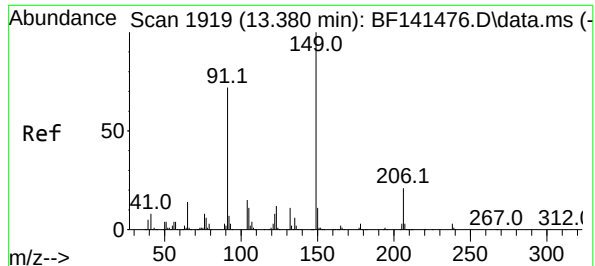
Tgt Ion:202 Resp: 1319554
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.9 14.3 21.5



#79
Terphenyl-d14
Concen: 163.152 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

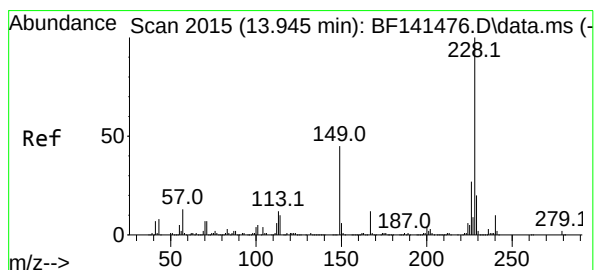
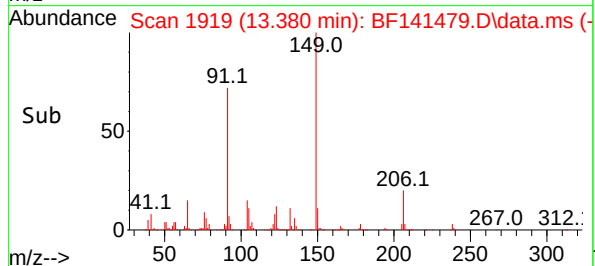
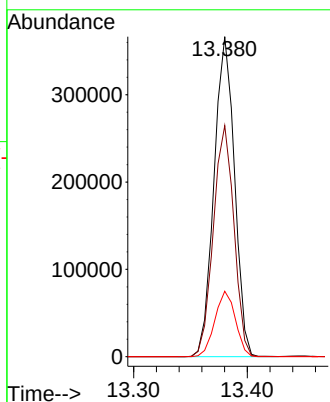
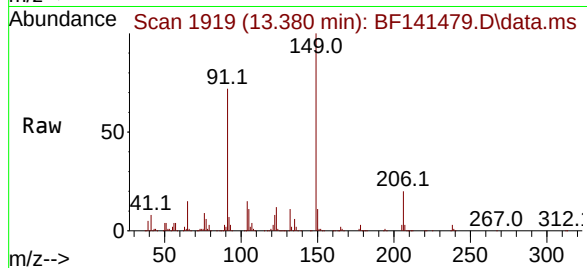
Tgt Ion:244 Resp: 1781602
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 11.5 8.4 12.6





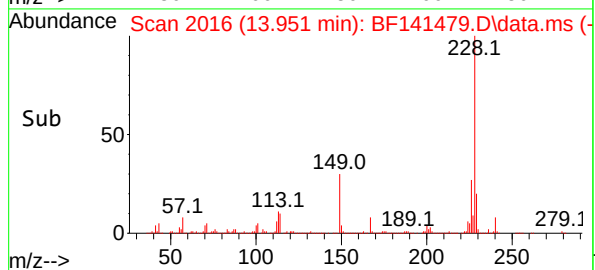
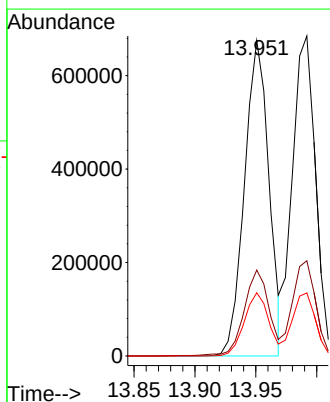
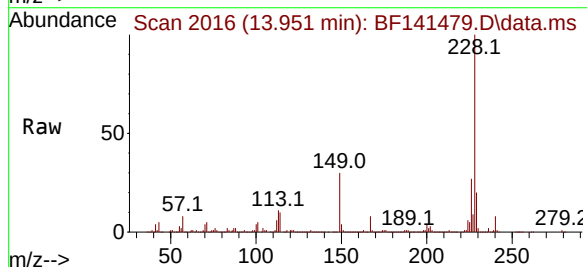
#80
Butylbenzylphthalate
Concen: 84.592 ng
RT: 13.380 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

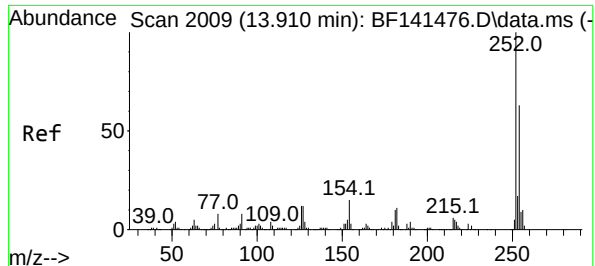
Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.2	57.8	86.8
206	20.4	16.7	25.1



#81
Benzo(a)anthracene
Concen: 76.977 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

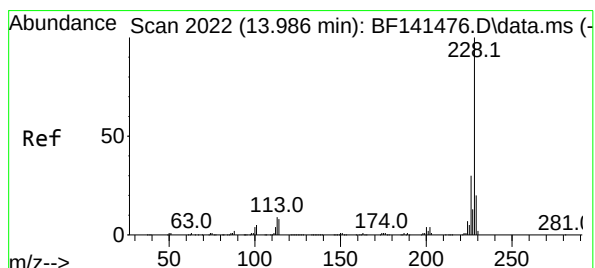
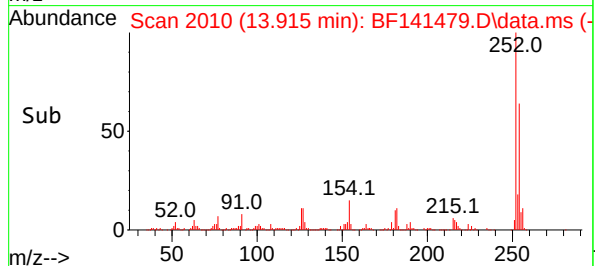
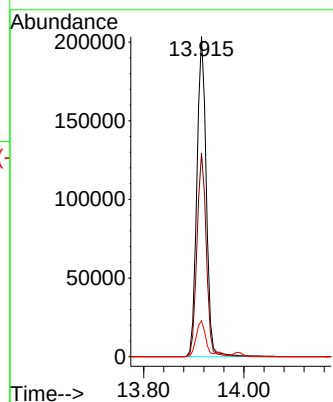
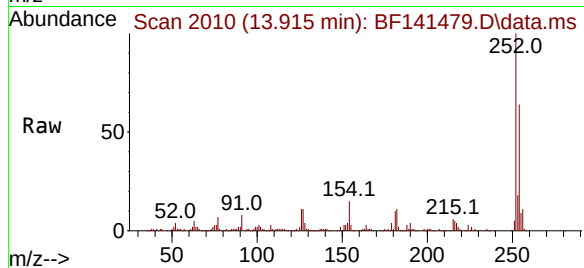
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.8	23.6





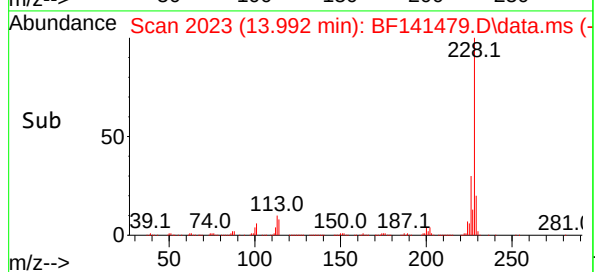
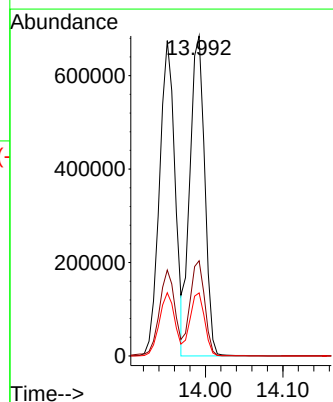
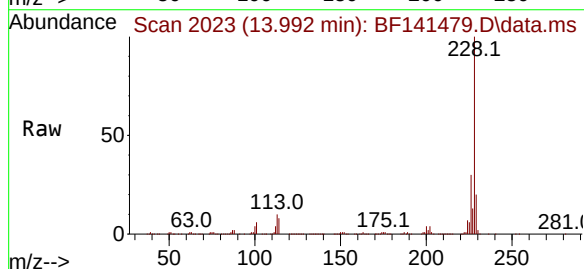
#82
3,3'-Dichlorobenzidine
Concen: 75.143 ng
RT: 13.915 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

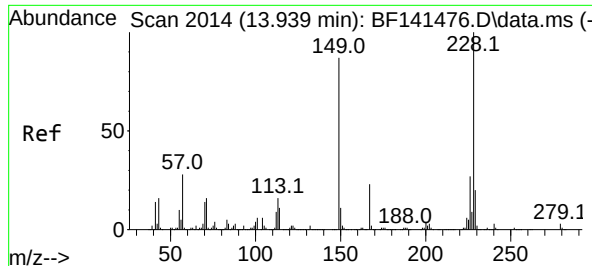
Tgt Ion:252 Resp: 263773
Ion Ratio Lower Upper
252 100
254 63.6 50.6 76.0
126 11.2 9.3 13.9



#83
Chrysene
Concen: 80.108 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

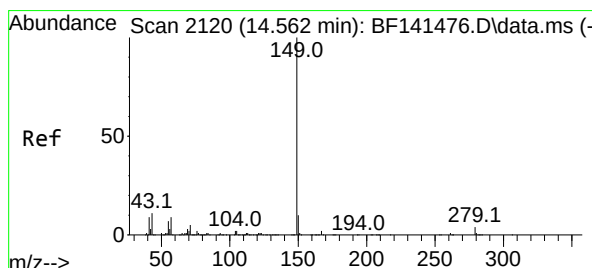
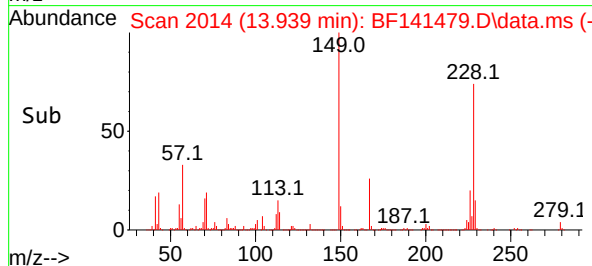
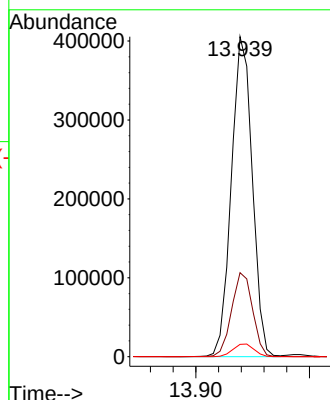
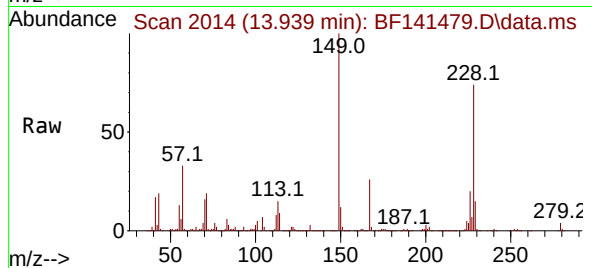
Tgt Ion:228 Resp: 906415
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 19.7 15.7 23.5





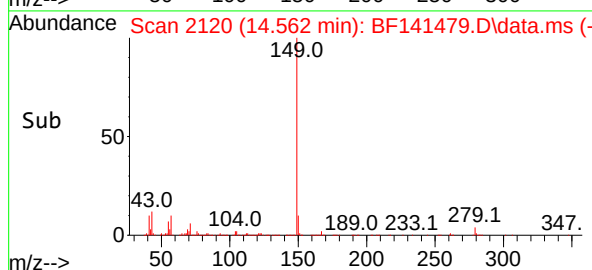
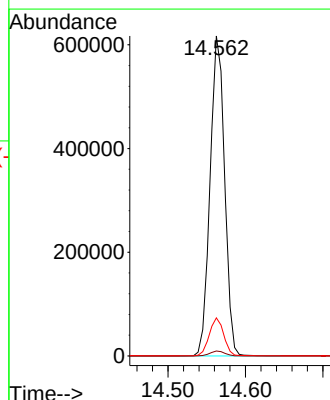
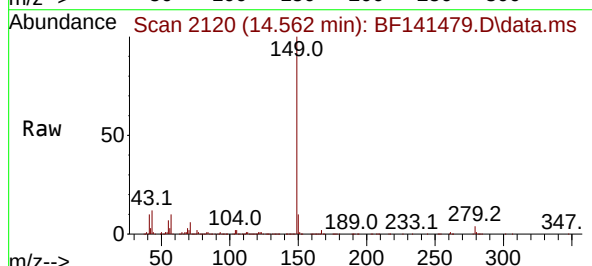
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 84.477 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. 0.000 min
 Lab File: BF141479.D
 Acq: 06 Feb 2025 14:14

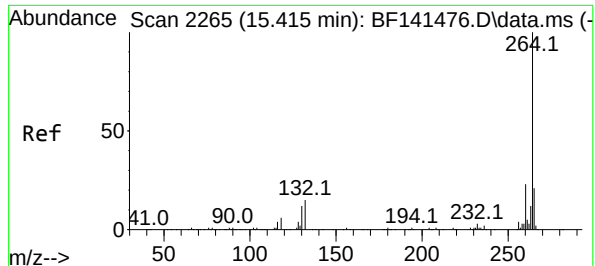
Tgt Ion:149 Resp: 517884
 Ion Ratio Lower Upper
 149 100
 167 26.3 21.4 32.0
 279 3.9 3.1 4.7



#85
 Di-n-octyl phthalate
 Concen: 91.886 ng
 RT: 14.562 min Scan# 2120
 Delta R.T. 0.000 min
 Lab File: BF141479.D
 Acq: 06 Feb 2025 14:14

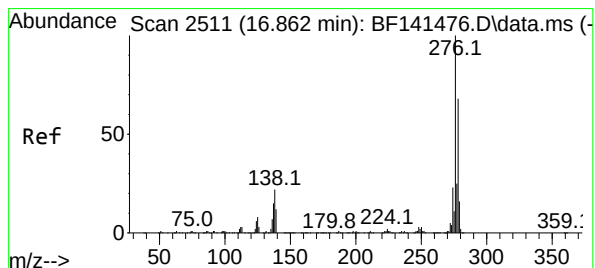
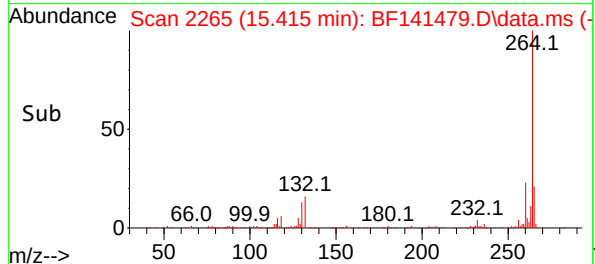
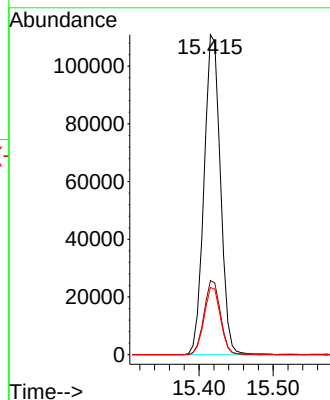
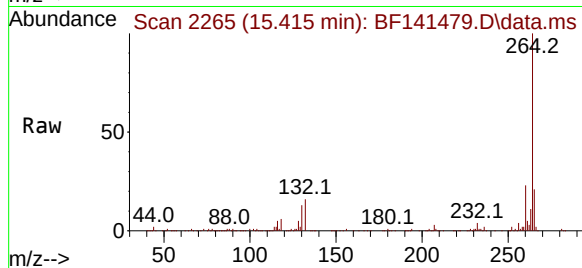
Tgt Ion:149 Resp: 803601
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 11.8 9.5 14.3





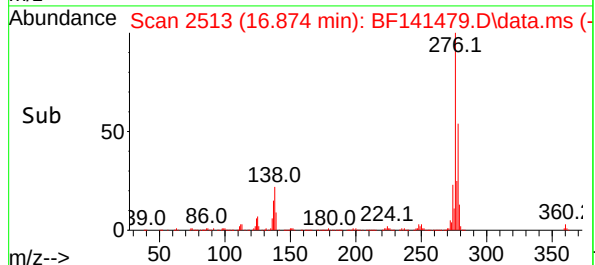
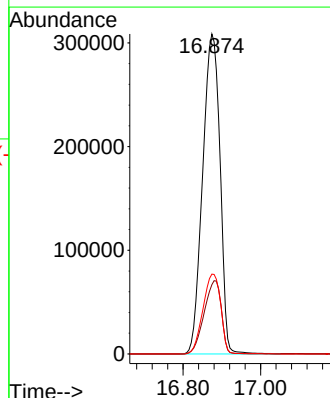
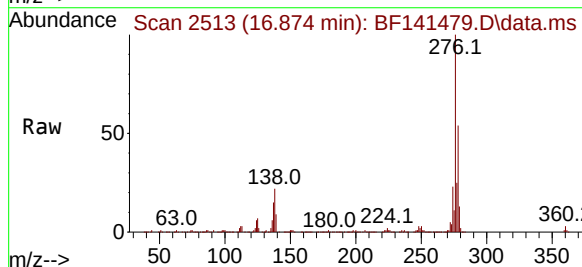
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

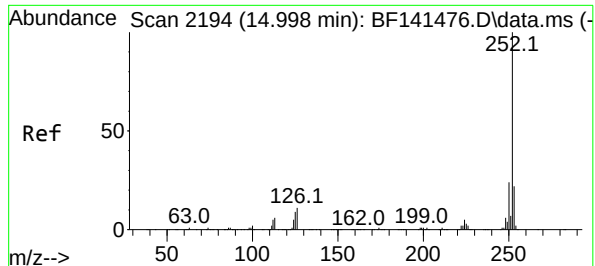
Tgt Ion:264 Resp: 170605
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.0 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 91.166 ng
RT: 16.874 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

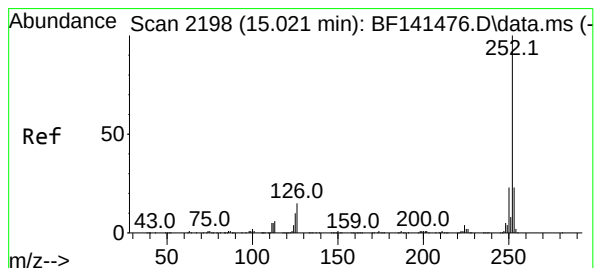
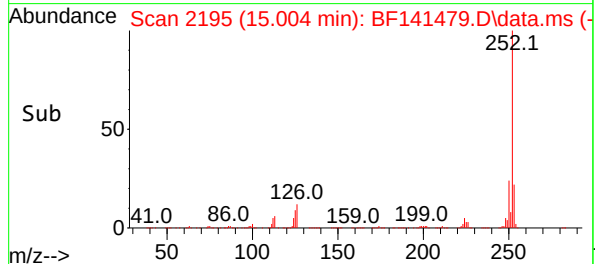
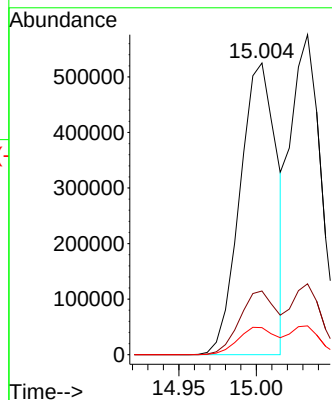
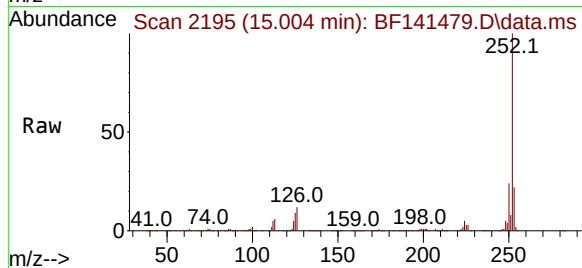
Tgt Ion:276 Resp: 961023
Ion Ratio Lower Upper
276 100
138 22.7 18.0 27.0
277 25.4 20.4 30.6





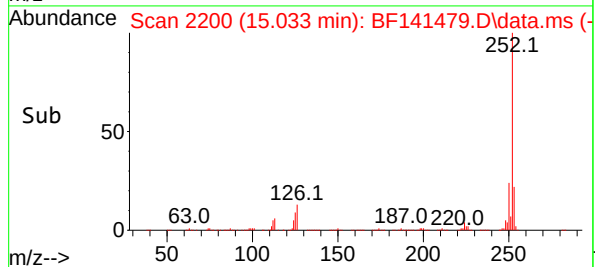
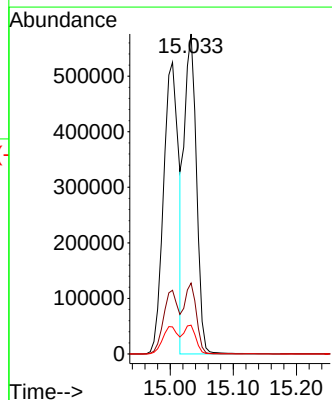
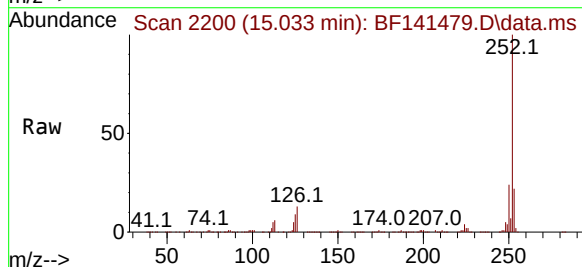
#88
Benzo(b)fluoranthene
Concen: 75.529 ng
RT: 15.004 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

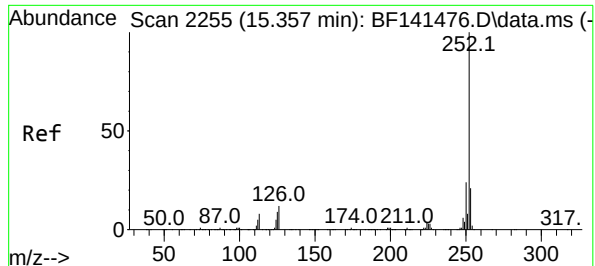
Tgt Ion:252 Resp: 865205
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 9.3 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 79.364 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

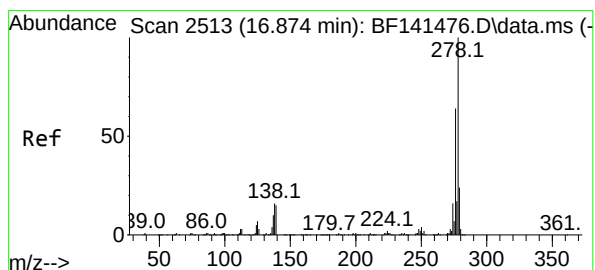
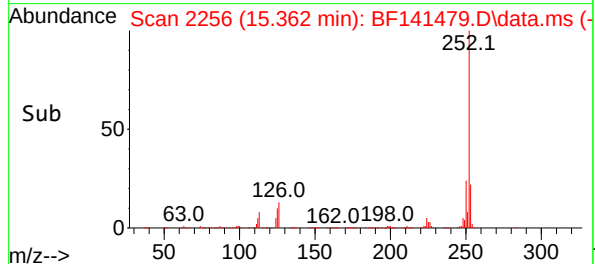
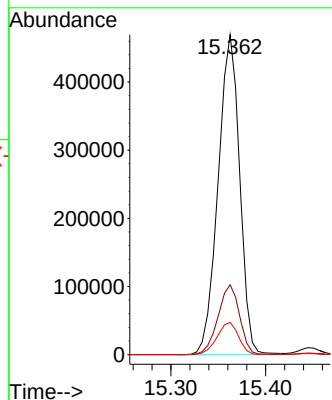
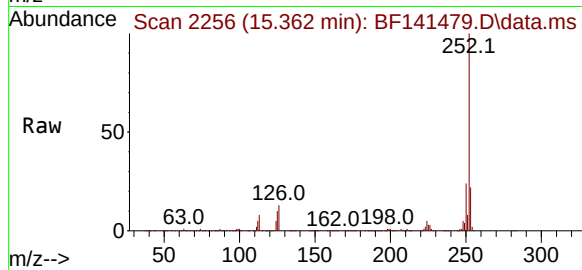
Tgt Ion:252 Resp: 776323
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 9.0 7.4 11.0





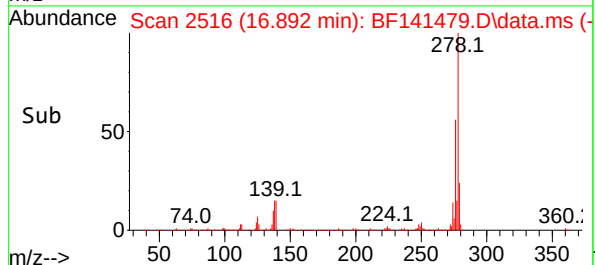
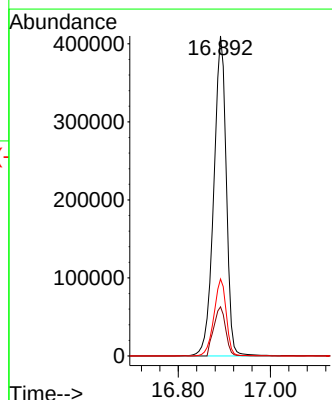
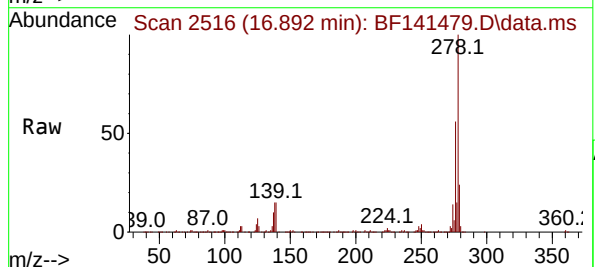
#90
Benzo(a)pyrene
Concen: 80.150 ng
RT: 15.362 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

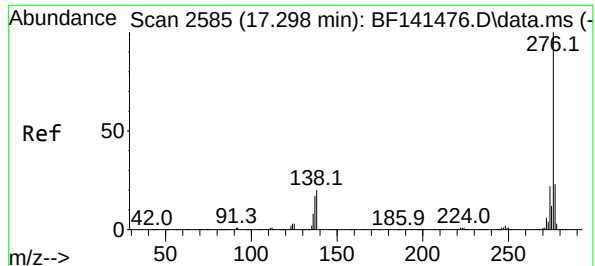
Tgt Ion:252 Resp: 742932
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 10.1 7.4 11.2



#91
Dibenzo(a,h)anthracene
Concen: 90.578 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141479.D
Acq: 06 Feb 2025 14:14

Tgt Ion:278 Resp: 773684
Ion Ratio Lower Upper
278 100
139 15.3 11.8 17.6
279 24.1 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 93.015 ng

RT: 17.315 min Scan# 2588

Delta R.T. 0.000 min

Lab File: BF141479.D

Acq: 06 Feb 2025 14:14

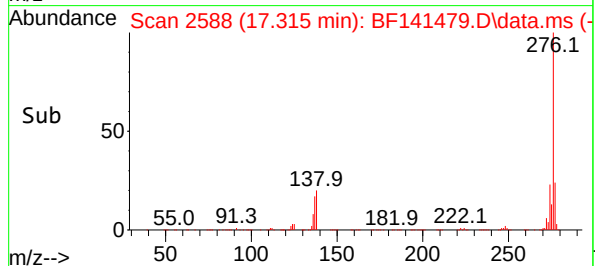
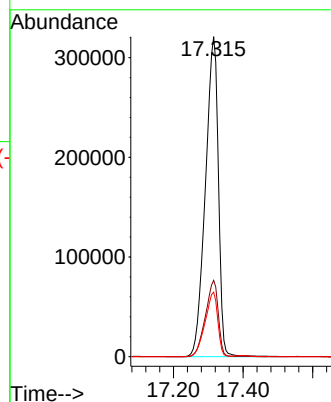
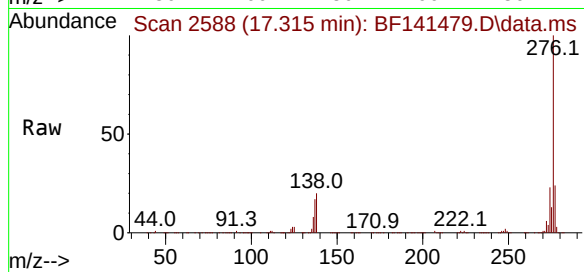
Tgt Ion:276 Resp: 831418

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.2 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90009	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	362467	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	197991	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	337289	20.000	ng	0.00
76) Chrysene-d12	13.963	240	252530	20.000	ng	0.00
86) Perylene-d12	15.427	264	199389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	470176	81.894	ng	0.00
7) Phenol-d6	6.428	99	586892	80.878	ng	-0.01
23) Nitrobenzene-d5	7.357	82	544613	78.369	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	158098	79.490	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1012492	78.786	ng	0.00
79) Terphenyl-d14	12.904	244	1133126	75.750	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.475	88	93282	40.369	ng	99
3) Pyridine	3.205	79	230604	41.938	ng	99
4) n-Nitrosodimethylamine	3.158	42	151656	41.653	ng	97
6) Aniline	6.451	93	284762	41.834	ng	92
8) 2-Chlorophenol	6.575	128	251415	40.527	ng	96
9) Benzaldehyde	6.340	77	154649	40.105	ng	99
10) Phenol	6.446	94	306753	40.615	ng	97
11) bis(2-Chloroethyl)ether	6.528	93	226152	39.866	ng	100
12) 1,3-Dichlorobenzene	6.728	146	264052	40.317	ng	98
13) 1,4-Dichlorobenzene	6.804	146	267068	39.911	ng	99
14) 1,2-Dichlorobenzene	6.957	146	250623	40.354	ng	99
15) Benzyl Alcohol	6.934	79	228379	41.041	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.069	45	393626	40.535	ng	98
17) 2-Methylphenol	7.051	107	197905	40.768	ng	99
18) Hexachloroethane	7.298	117	101687	41.061	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	173832	40.048	ng	100
20) 3+4-Methylphenols	7.204	107	247254	40.073	ng	98
22) Acetophenone	7.198	105	353867	39.246	ng	100
24) Nitrobenzene	7.375	77	267193	39.429	ng	100
25) Isophorone	7.610	82	440640	39.767	ng	100
26) 2-Nitrophenol	7.687	139	136248	40.413	ng	98
27) 2,4-Dimethylphenol	7.728	122	157242	39.924	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	282744	39.822	ng	100
29) 2,4-Dichlorophenol	7.934	162	211891	39.818	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227379	39.237	ng	100
31) Naphthalene	8.093	128	741255	39.287	ng	100
32) Benzoic acid	7.857	122	164966	40.324	ng	98
33) 4-Chloroaniline	8.145	127	267977	40.680	ng	99
34) Hexachlorobutadiene	8.210	225	139658	40.144	ng	99
35) Caprolactam	8.516	113	66599	41.104	ng	99
36) 4-Chloro-3-methylphenol	8.634	107	235824	40.006	ng	100
37) 2-Methylnaphthalene	8.787	142	475273	38.710	ng	100
38) 1-Methylnaphthalene	8.881	142	464346	39.049	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	230166	40.182	ng	99
41) Hexachlorocyclopentadiene	8.934	237	73834	38.754	ng	97
43) 2,4,6-Trichlorophenol	9.063	196	147770	39.914	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

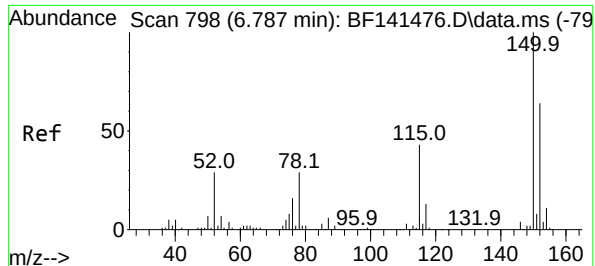
Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	160926	40.108	ng	99
46) 1,1'-Biphenyl	9.251	154	606611	39.519	ng	100
47) 2-Chloronaphthalene	9.275	162	447817	39.453	ng	100
48) 2-Nitroaniline	9.375	65	154092	40.451	ng	98
49) Acenaphthylene	9.687	152	670833	39.734	ng	99
50) Dimethylphthalate	9.551	163	530769	39.488	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117431	39.965	ng	99
52) Acenaphthene	9.863	154	452794	39.893	ng	100
53) 3-Nitroaniline	9.787	138	127965	40.463	ng	99
54) 2,4-Dinitrophenol	9.892	184	74461	42.639	ng	97
55) Dibenzofuran	10.034	168	664069	39.860	ng	99
56) 4-Nitrophenol	9.957	139	98990	42.166	ng	99
57) 2,4-Dinitrotoluene	10.022	165	158941	40.633	ng	100
58) Fluorene	10.375	166	508833	39.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	139688	40.438	ng	97
60) Diethylphthalate	10.251	149	521933	39.467	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	243659	39.318	ng	98
62) 4-Nitroaniline	10.398	138	132059	41.124	ng	99
63) Azobenzene	10.528	77	522705	39.759	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	98944	42.230	ng	98
66) n-Nitrosodiphenylamine	10.492	169	432307	40.040	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	154044	40.864	ng	95
68) Hexachlorobenzene	10.928	284	156075	40.208	ng	99
69) Atrazine	11.016	200	127486	39.358	ng	100
70) Pentachlorophenol	11.122	266	105427	42.476	ng	99
71) Phenanthrene	11.339	178	744761	40.114	ng	100
72) Anthracene	11.392	178	753295	40.362	ng	100
73) Carbazole	11.551	167	676218	40.267	ng	100
74) Di-n-butylphthalate	11.881	149	794101	40.953	ng	100
75) Fluoranthene	12.528	202	807256	41.011	ng	100
77) Benzidine	12.651	184	211734	38.017	ng	100
78) Pyrene	12.757	202	812250	37.784	ng	100
80) Butylbenzylphthalate	13.380	149	311103	41.781	ng	99
81) Benzo(a)anthracene	13.951	228	638036	38.009	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	185650	38.608	ng	99
83) Chrysene	13.992	228	610091	39.361	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	371434	44.229	ng	100
85) Di-n-octyl phthalate	14.574	149	534947	44.652	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	474949	38.551	ng	99
88) Benzo(b)fluoranthene	15.010	252	526847	39.352	ng	100
89) Benzo(k)fluoranthene	15.039	252	470794	41.182	ng	98
90) Benzo(a)pyrene	15.369	252	427462	39.459	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	388028	38.870	ng	99
92) Benzo(g,h,i)perylene	17.310	276	402566	38.536	ng	99

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

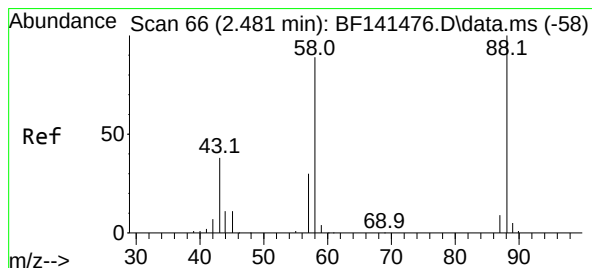
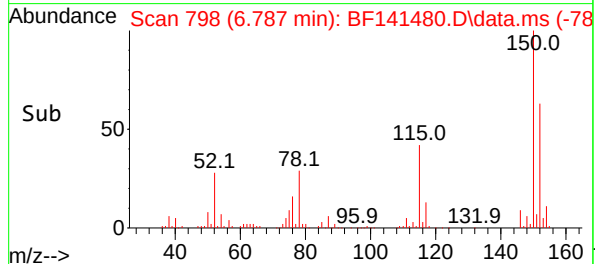
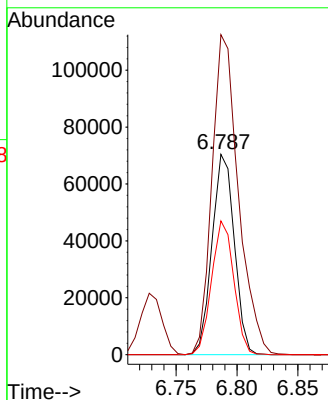
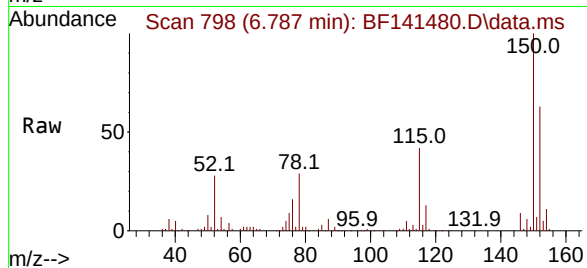
Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration





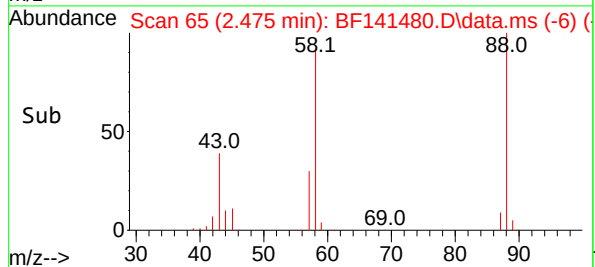
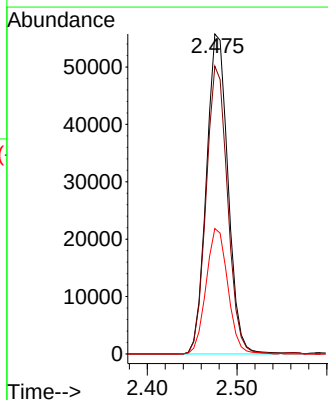
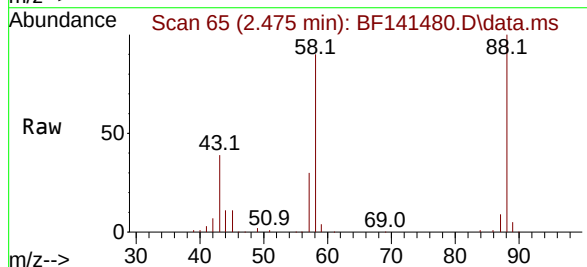
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

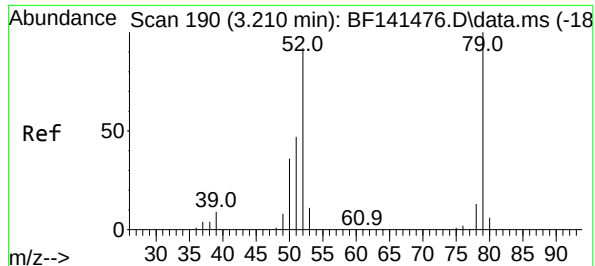
Tgt Ion:152 Resp: 90009
Ion Ratio Lower Upper
152 100
150 159.7 125.0 187.4
115 66.8 53.6 80.4



#2
1,4-Dioxane
Concen: 40.369 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

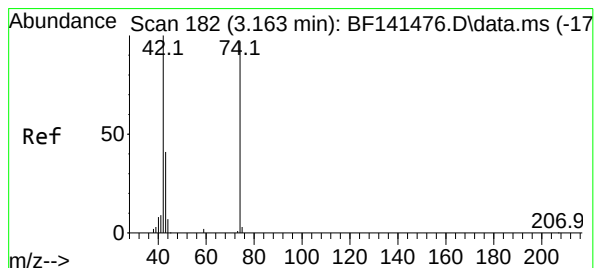
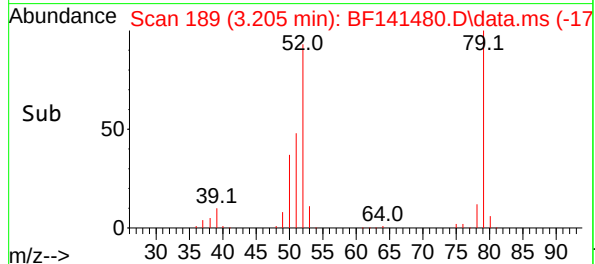
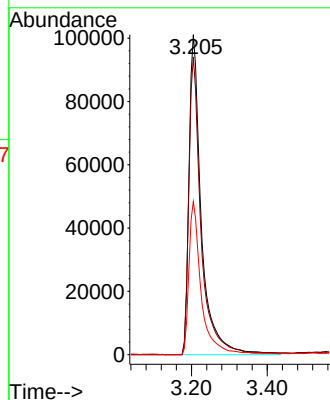
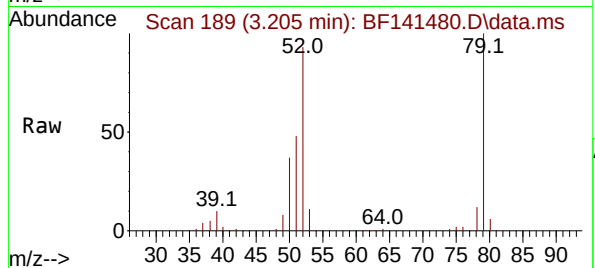
Tgt Ion: 88 Resp: 93282
Ion Ratio Lower Upper
88 100
58 89.1 71.1 106.7
43 39.4 30.6 46.0





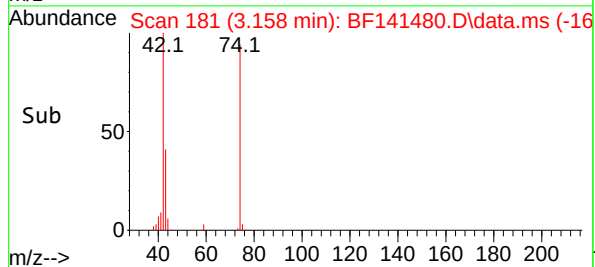
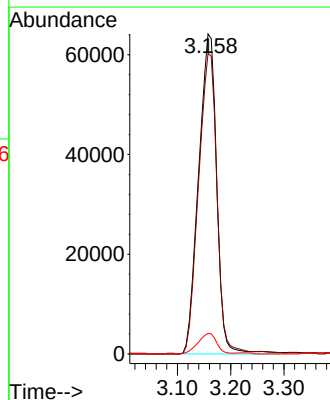
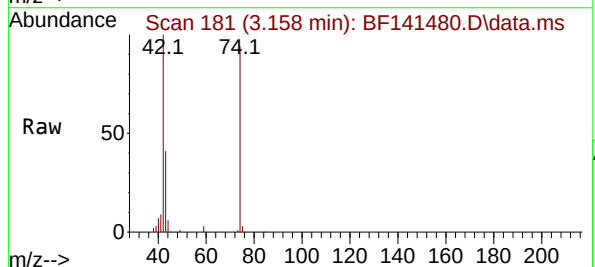
#3
Pyridine
Concen: 41.938 ng
RT: 3.205 min Scan# 189
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

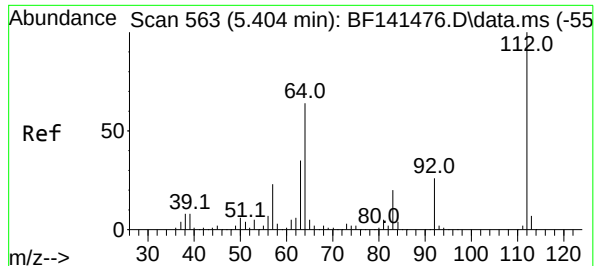
Tgt Ion: 79 Resp: 230604
Ion Ratio Lower Upper
79 100
52 93.1 73.7 110.5
51 47.8 37.5 56.3



#4
n-Nitrosodimethylamine
Concen: 41.653 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

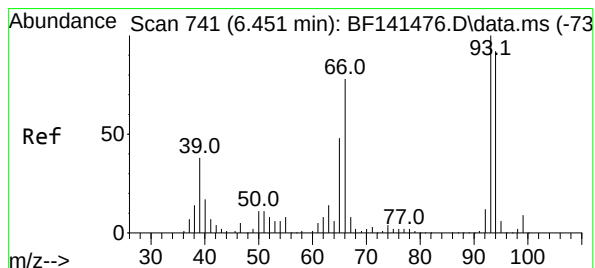
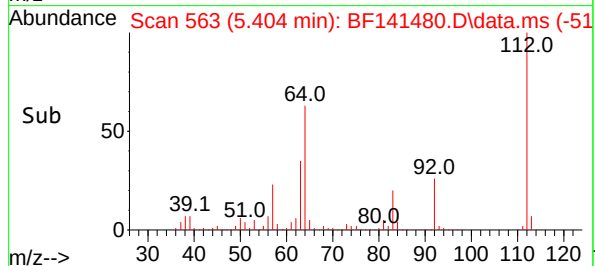
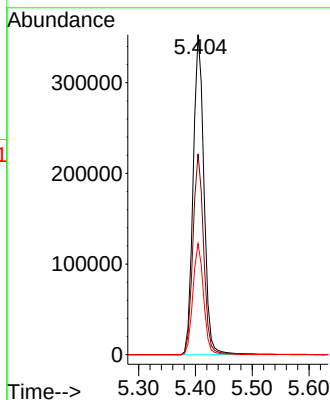
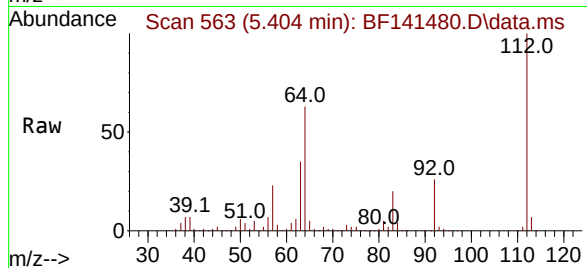
Tgt Ion: 42 Resp: 151656
Ion Ratio Lower Upper
42 100
74 94.0 78.0 117.0
44 6.5 5.4 8.2





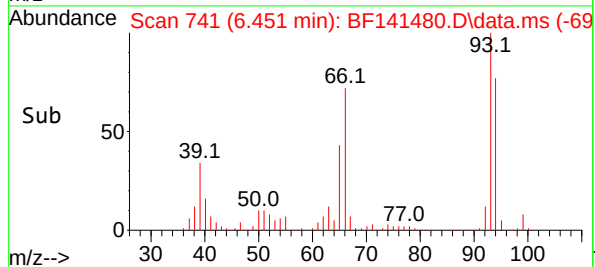
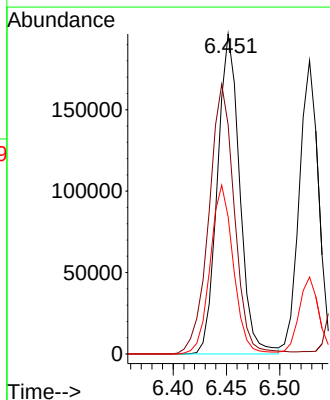
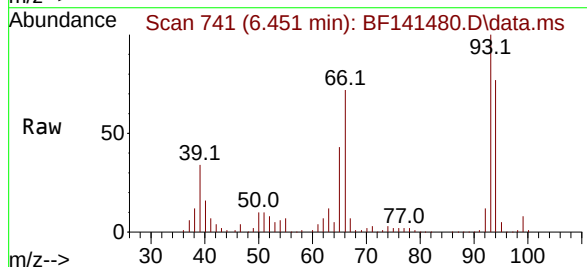
#5
2-Fluorophenol
Concen: 81.894 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

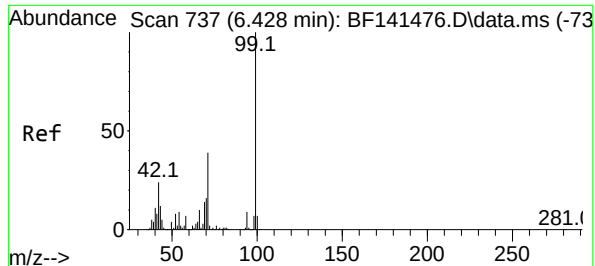
Tgt Ion: 112 Resp: 470176
Ion Ratio Lower Upper
112 100
64 62.8 51.1 76.7
63 34.7 28.4 42.6



#6
Aniline
Concen: 41.834 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

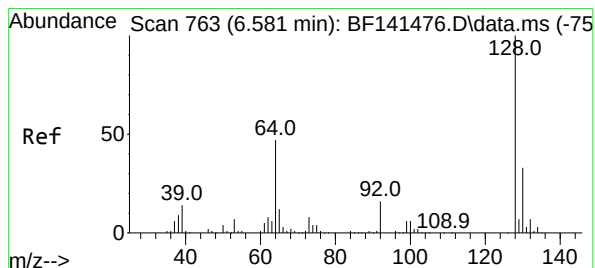
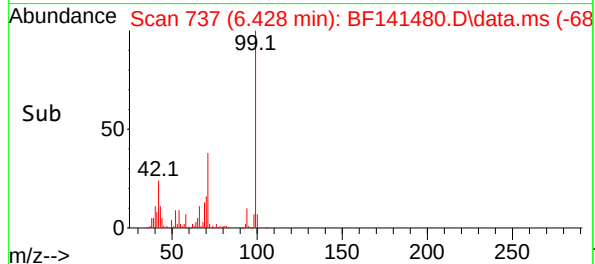
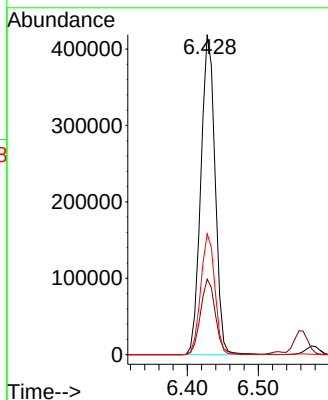
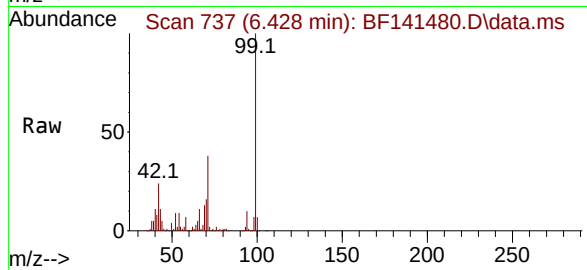
Tgt Ion: 93 Resp: 284762
Ion Ratio Lower Upper
93 100
66 71.6 62.6 94.0
65 42.9 38.3 57.5





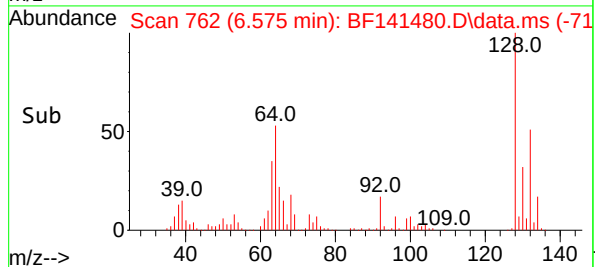
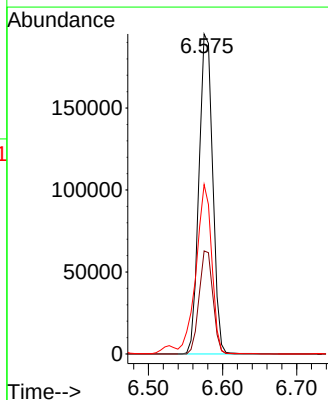
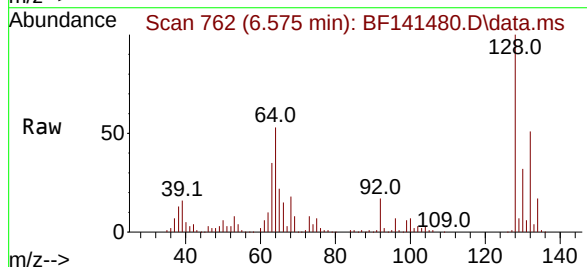
#7
Phenol-d6
Concen: 80.878 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

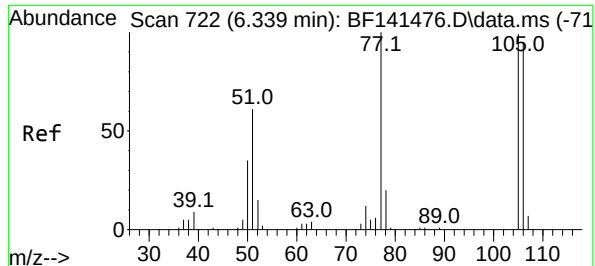
Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.7	19.1	28.7
71	37.8	31.1	46.7



#8
2-Chlorophenol
Concen: 40.527 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

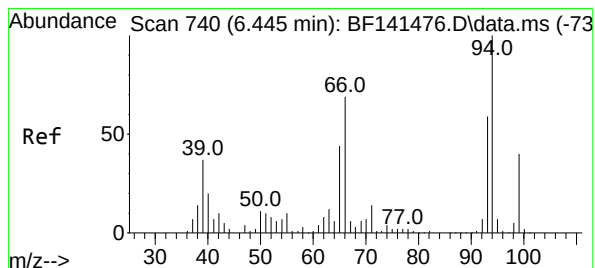
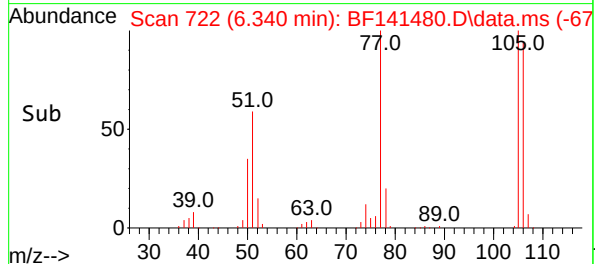
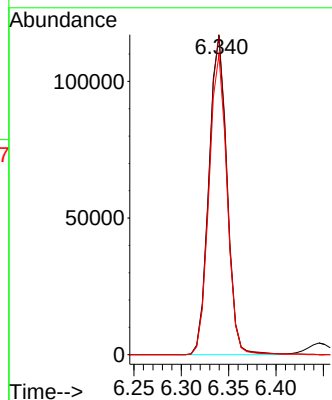
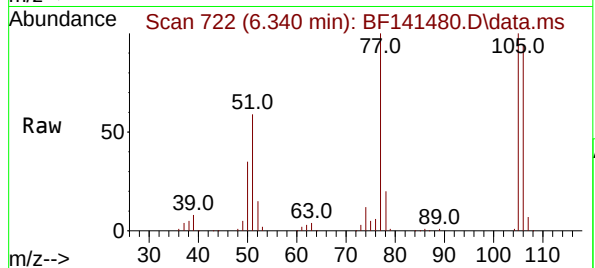
Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.7	52.7
64	52.9	28.3	68.3





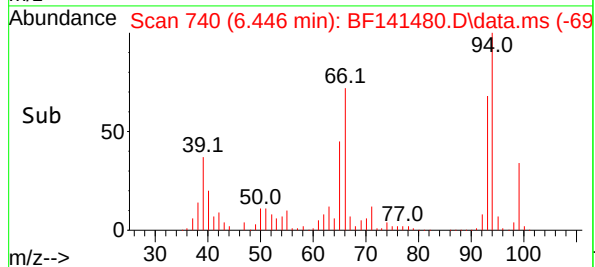
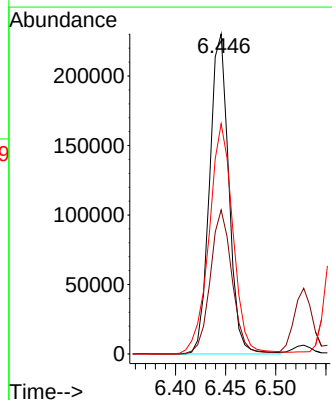
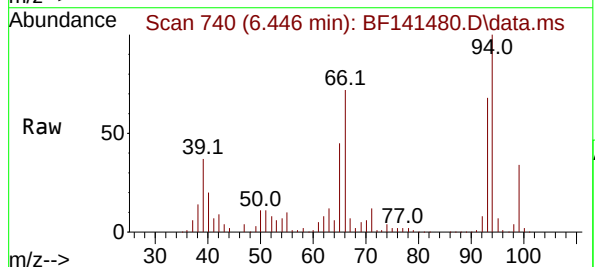
#9
Benzaldehyde
Concen: 40.105 ng
RT: 6.340 min Scan# 722
Delta R.T. 0.001 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

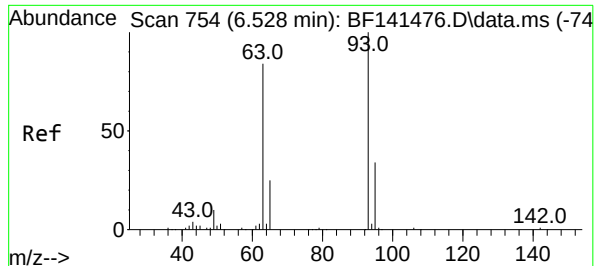
Tgt Ion: 77 Resp: 154649
Ion Ratio Lower Upper
77 100
105 100.4 79.4 119.4
106 94.1 75.1 115.1



#10
Phenol
Concen: 40.615 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

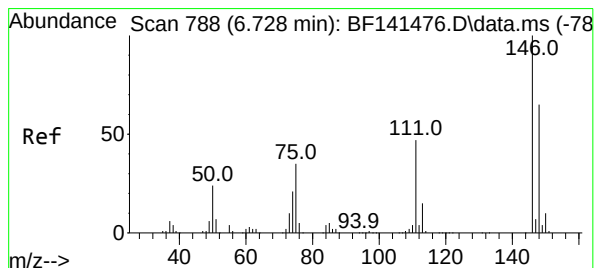
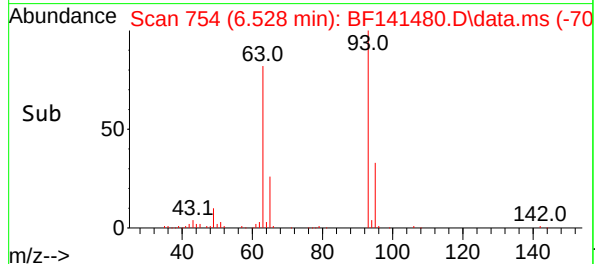
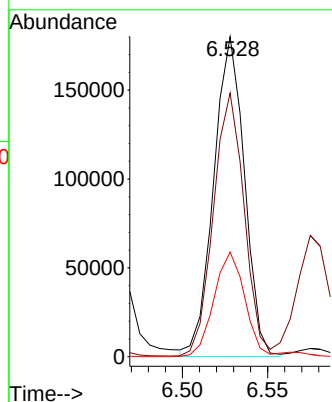
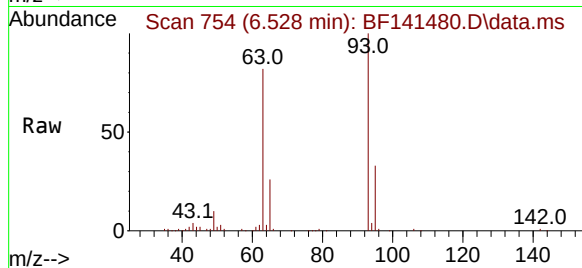
Tgt Ion: 94 Resp: 306753
Ion Ratio Lower Upper
94 100
65 45.0 23.7 63.7
66 71.9 49.3 89.3





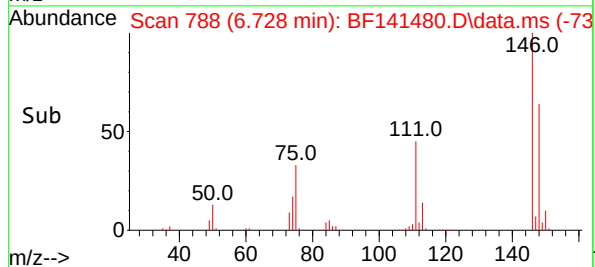
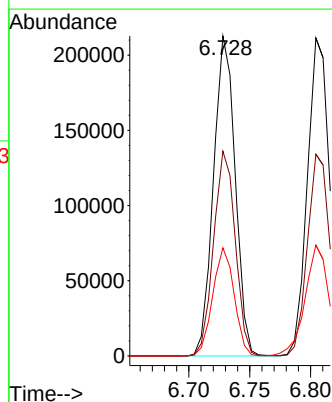
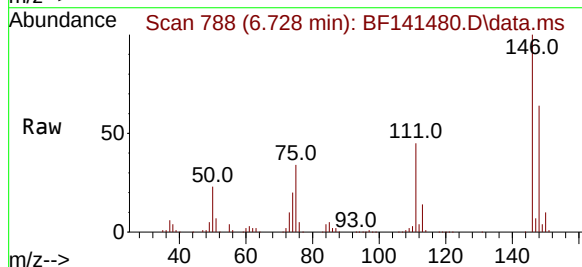
#11
bis(2-Chloroethyl)ether
Concen: 39.866 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

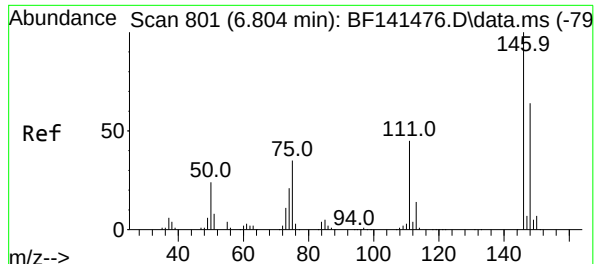
Tgt Ion:	93	Resp:	226152
Ion	Ratio	Lower	Upper
93	100		
63	82.4	62.0	102.0
95	32.7	12.6	52.6



#12
1,3-Dichlorobenzene
Concen: 40.317 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:	146	Resp:	264052
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
75	33.8	28.2	42.2





#13

1,4-Dichlorobenzene

Concen: 39.911 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

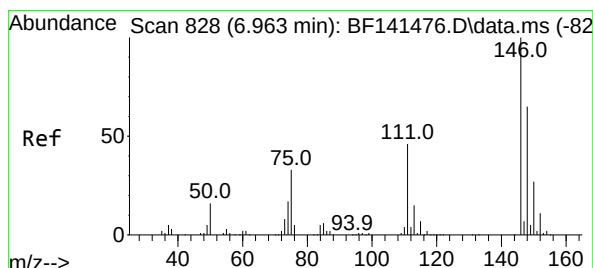
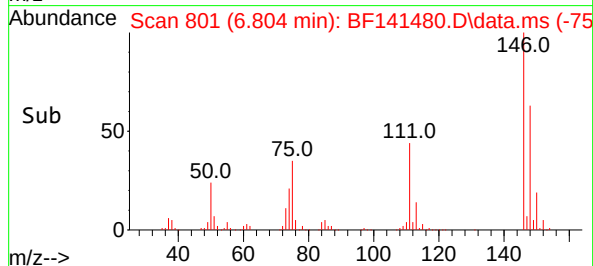
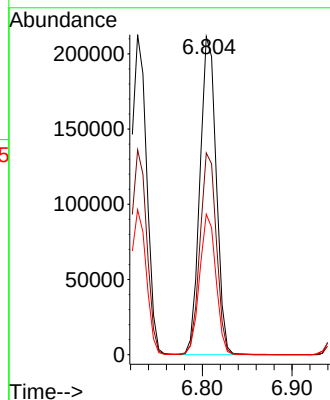
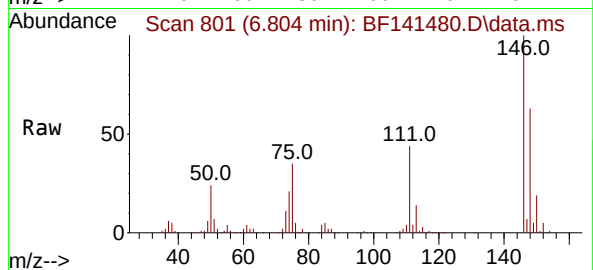
Tgt Ion:146 Resp: 267068

Ion Ratio Lower Upper

146 100

148 63.4 50.9 76.3

111 44.2 35.9 53.9



#14

1,2-Dichlorobenzene

Concen: 40.354 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

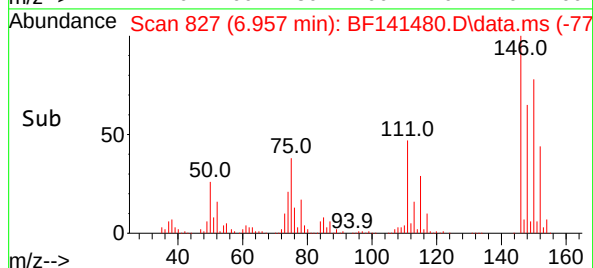
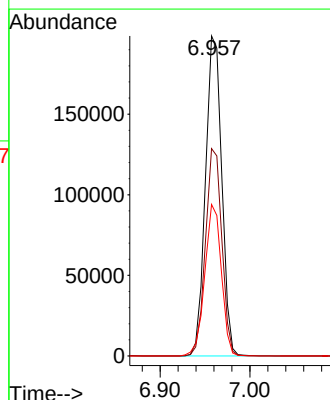
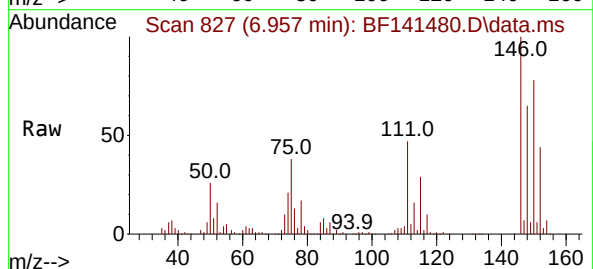
Tgt Ion:146 Resp: 250623

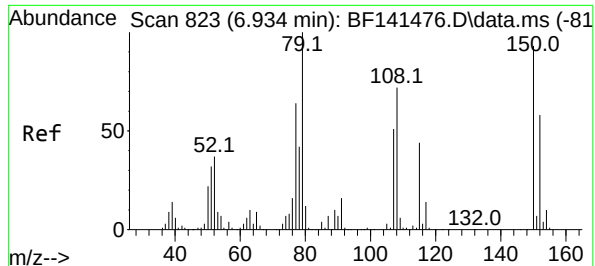
Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

111 47.4 37.0 55.4





#15

Benzyl Alcohol

Concen: 41.041 ng

RT: 6.934 min Scan# 823

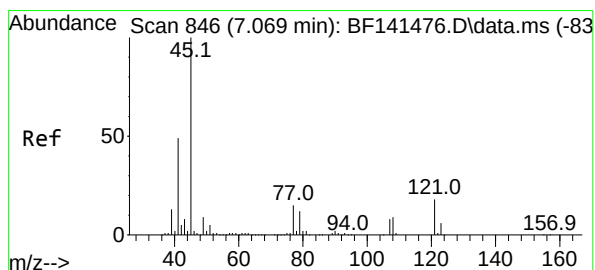
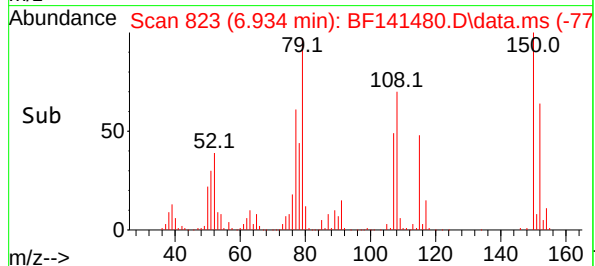
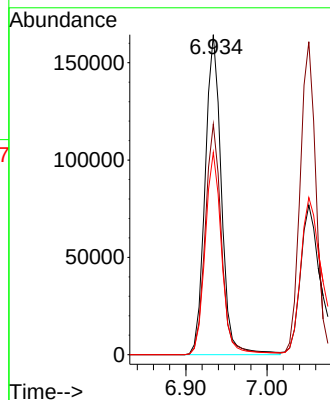
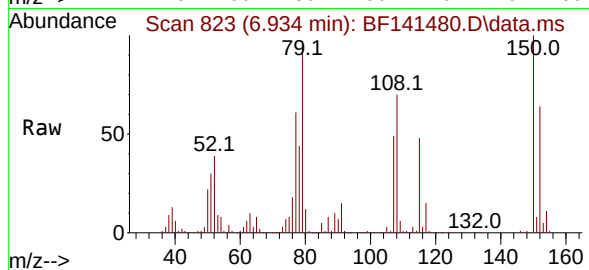
Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion: 79 Resp: 228379

Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.4	86.2
77	63.2	50.9	76.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.535 ng

RT: 7.069 min Scan# 846

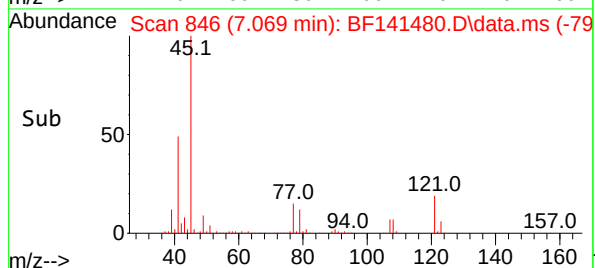
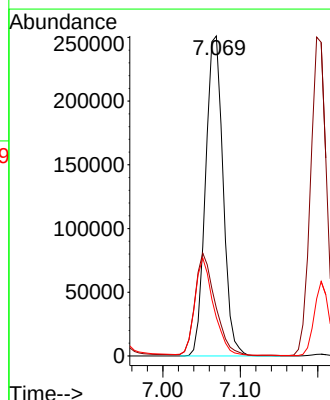
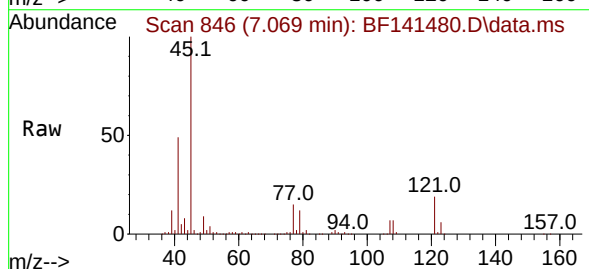
Delta R.T. 0.000 min

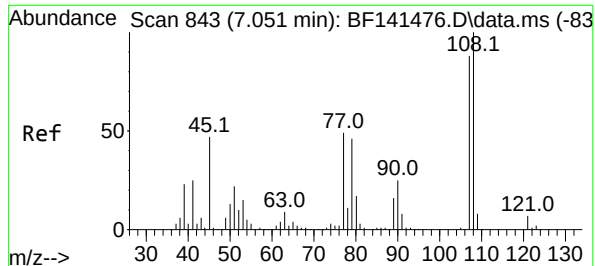
Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion: 45 Resp: 393626

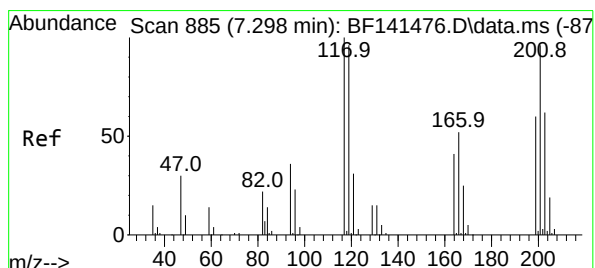
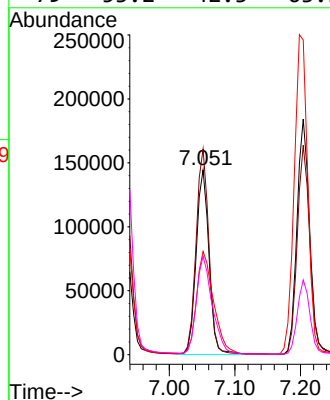
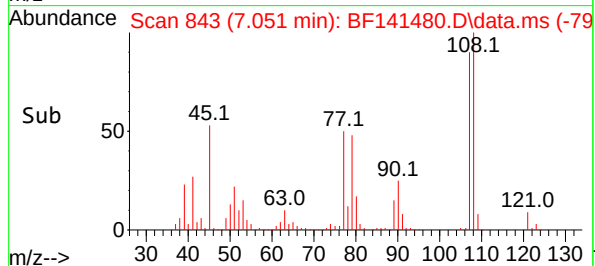
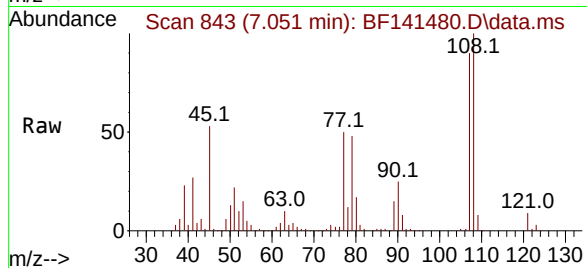
Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	35.8
79	12.0	0.0	32.7





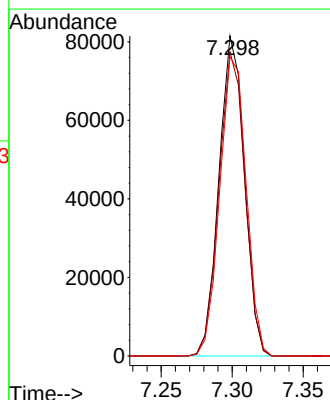
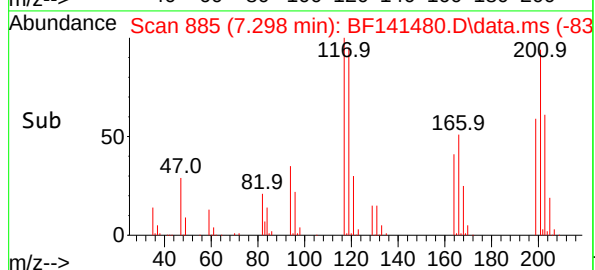
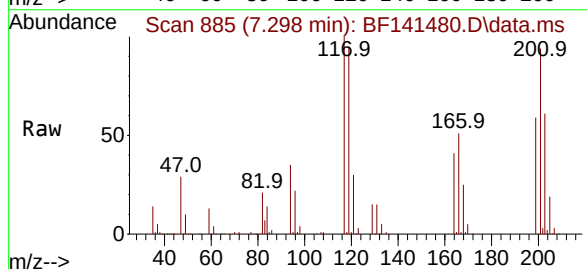
#17
2-Methylphenol
Concen: 40.768 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

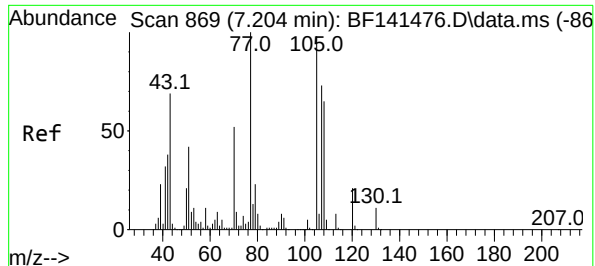
Tgt Ion:	107	Resp:	197905
Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.6	136.0
77	55.8	44.4	66.6
79	53.2	42.3	63.5



#18
Hexachloroethane
Concen: 41.061 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:	117	Resp:	101687
Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
201	93.5	76.7	115.1

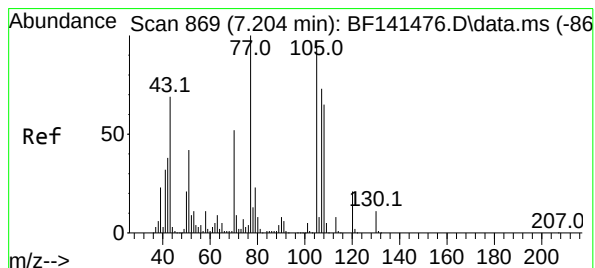
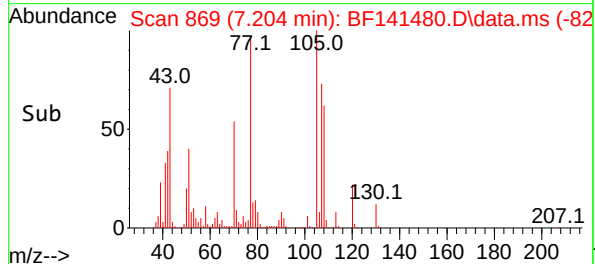
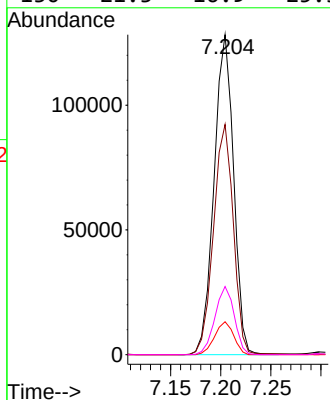
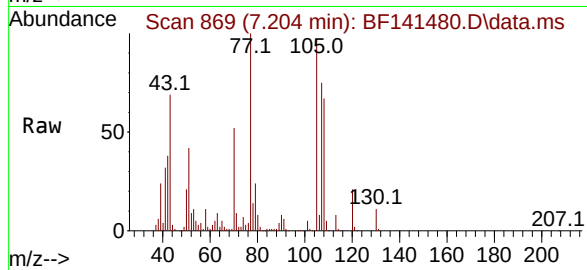




#19

n-Nitroso-di-n-propylamine
Concen: 40.048 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

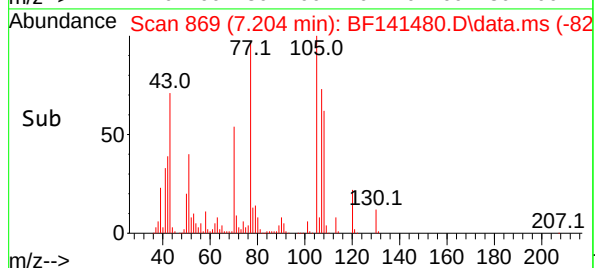
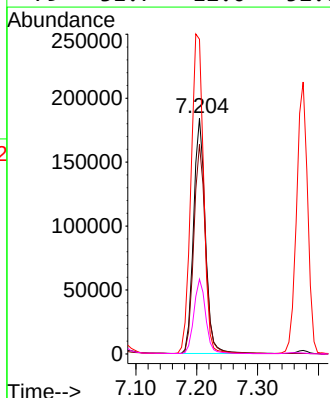
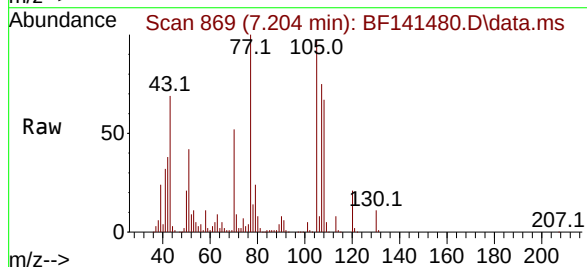
Tgt Ion:	70	Resp:	173832
Ion	Ratio	Lower	Upper
70	100		
42	72.0	57.4	86.2
101	10.3	8.0	12.0
130	21.3	16.9	25.3

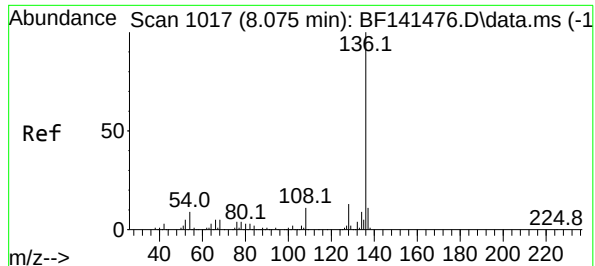


#20

3+4-Methylphenols
Concen: 40.073 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

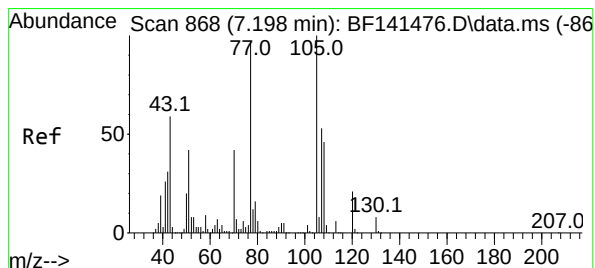
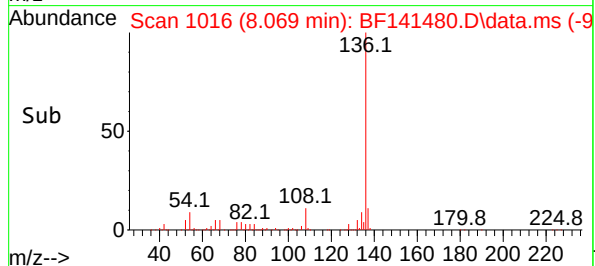
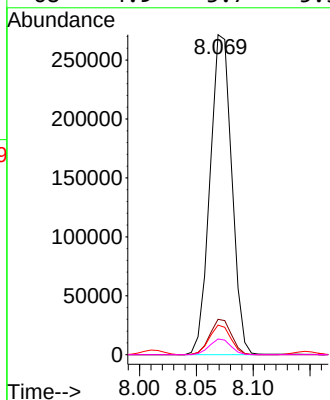
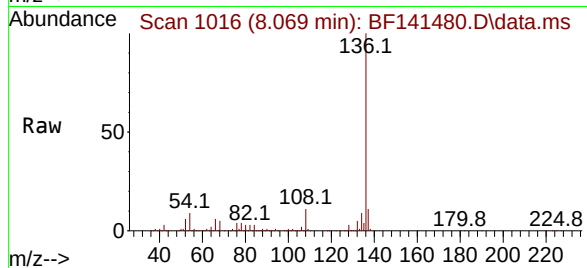
Tgt Ion:	107	Resp:	247254
Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	133.5	116.5	156.5
79	31.7	12.0	52.0





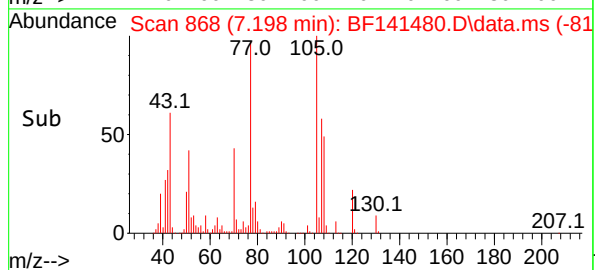
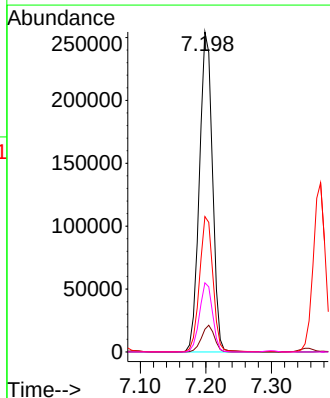
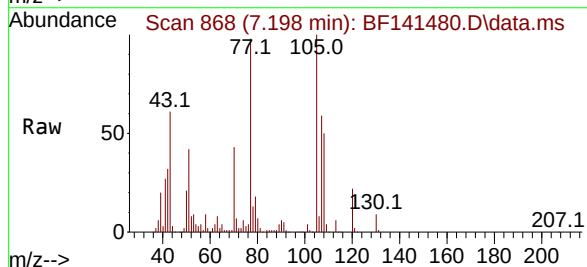
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

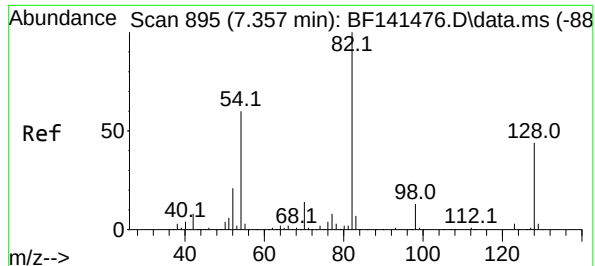
Tgt Ion:136 Resp: 362467
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.2 10.8
68 4.9 3.7 5.5



#22
Acetophenone
Concen: 39.246 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:105 Resp: 353867
Ion Ratio Lower Upper
105 100
71 7.1 5.7 8.5
51 42.3 33.7 50.5
120 21.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 78.369 ng

RT: 7.357 min Scan# 895

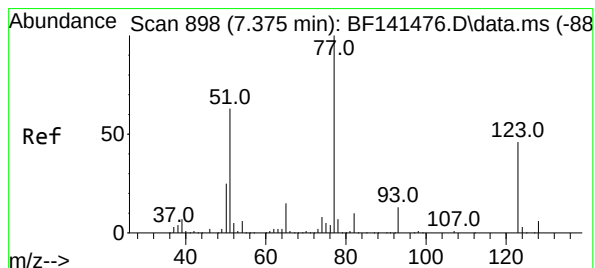
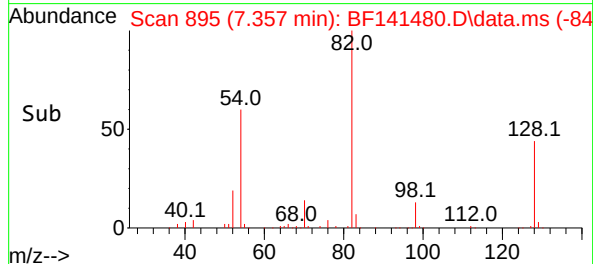
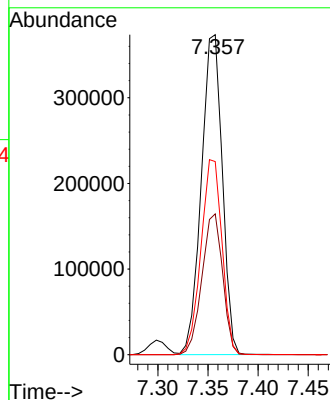
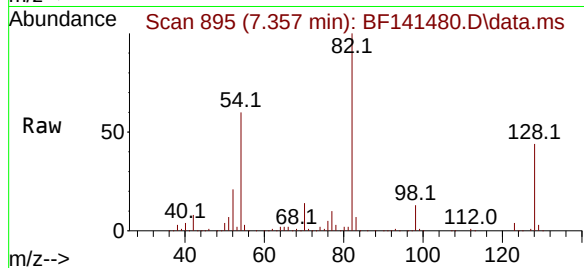
Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion: 82 Resp: 544613

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.8	52.2
54	60.4	48.2	72.4



#24

Nitrobenzene

Concen: 39.429 ng

RT: 7.375 min Scan# 898

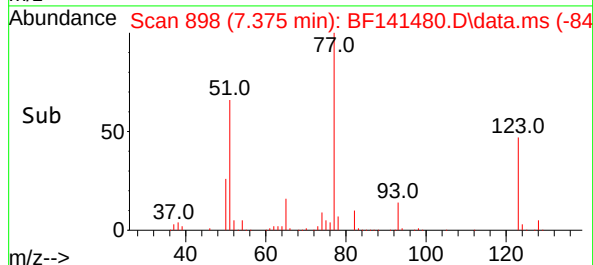
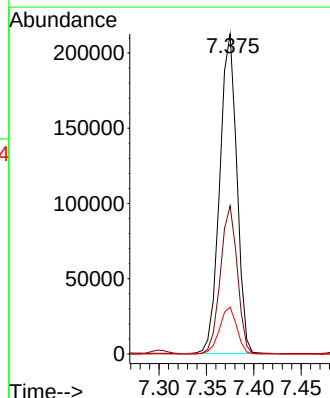
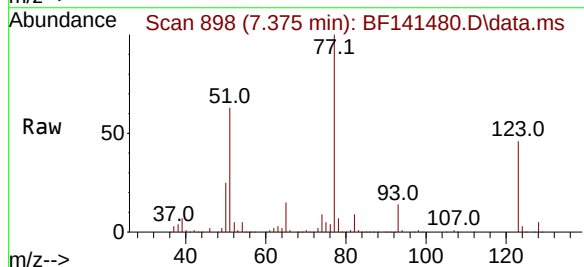
Delta R.T. -0.006 min

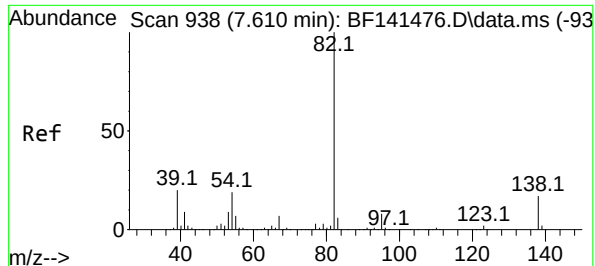
Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion: 77 Resp: 267193

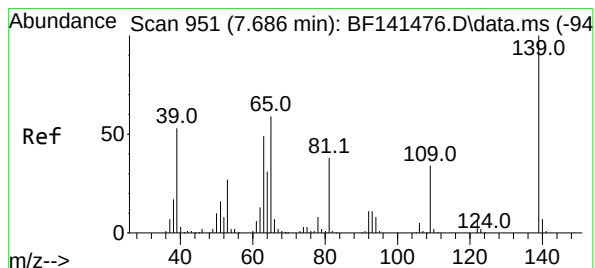
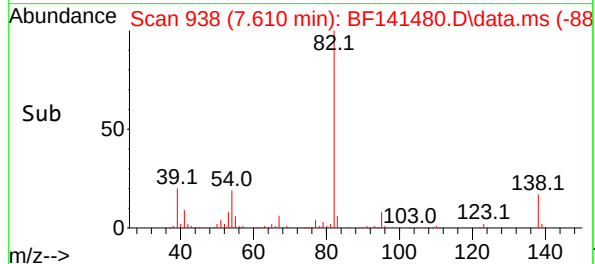
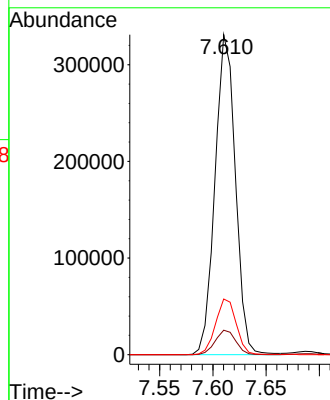
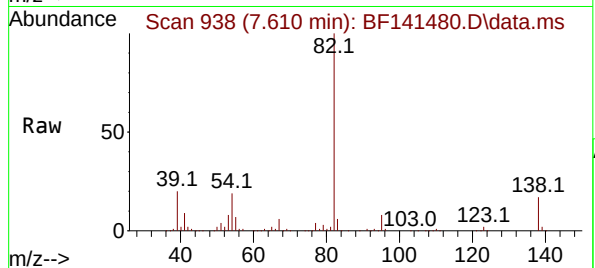
Ion	Ratio	Lower	Upper
77	100		
123	46.3	36.9	55.3
65	14.6	11.9	17.9





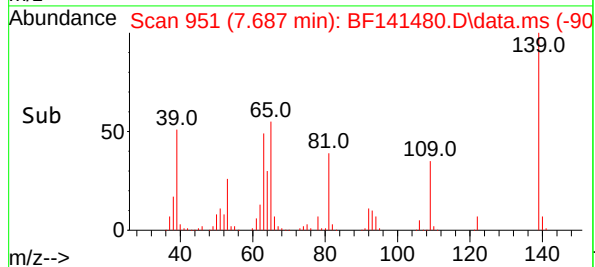
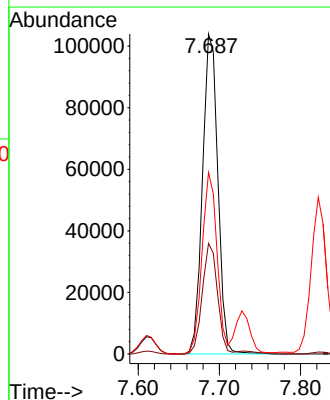
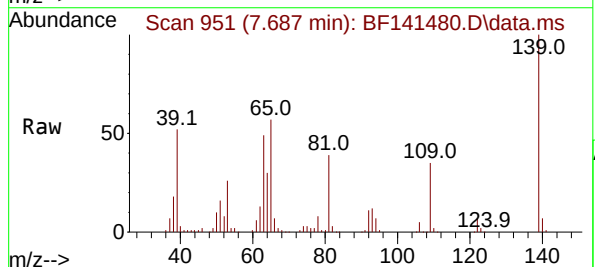
#25
Isophorone
Concen: 39.767 ng
RT: 7.610 min Scan# 938
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

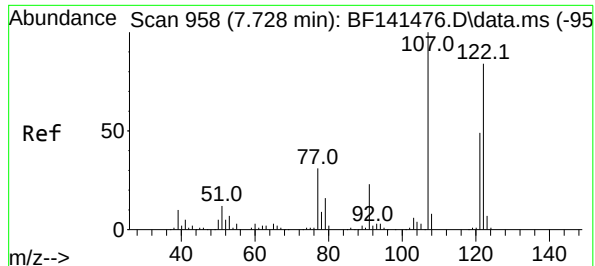
Tgt Ion	82	95	138
Ratio	100	7.7	17.4
Lower		6.4	13.9
Upper		9.6	20.9



#26
2-Nitrophenol
Concen: 40.413 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion	139	109	65
Ratio	100	34.6	56.7
Lower		27.0	47.1
Upper		40.6	70.7





#27

2,4-Dimethylphenol

Concen: 39.924 ng

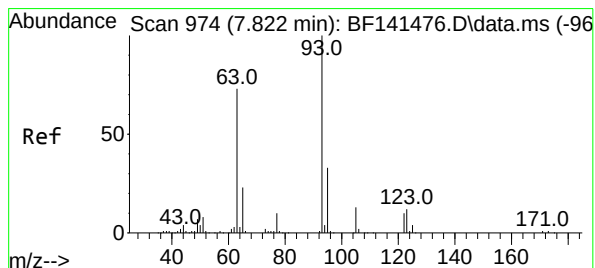
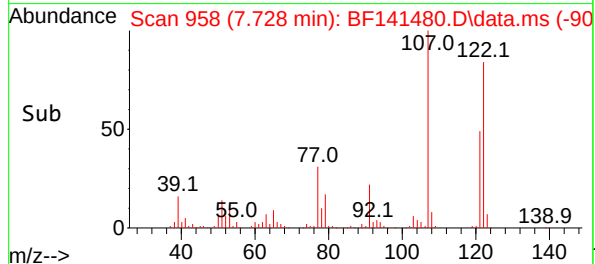
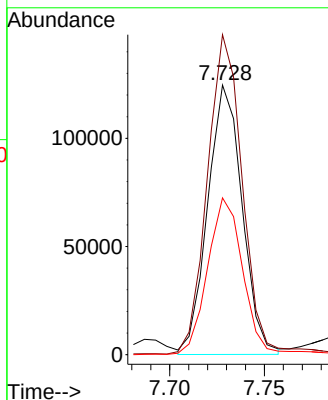
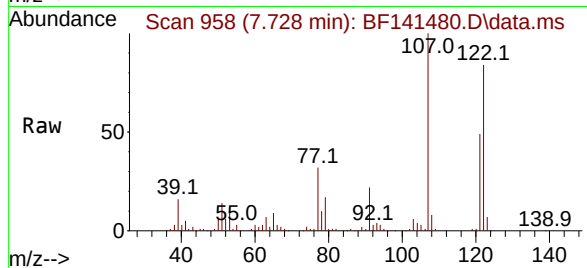
RT: 7.728 min Scan# 958

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:	122	Resp:	157242
Ion	Ratio	Lower	Upper
122	100		
107	118.7	94.3	141.5
121	58.2	46.0	69.0



#28

bis(2-Chloroethoxy)methane

Concen: 39.822 ng

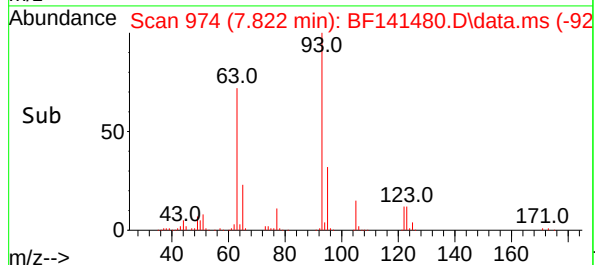
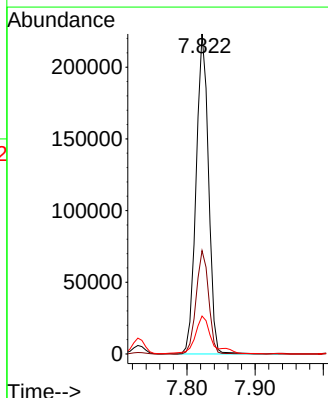
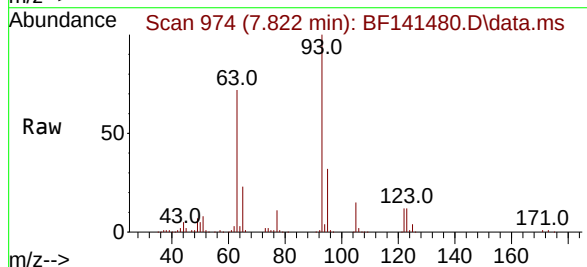
RT: 7.822 min Scan# 974

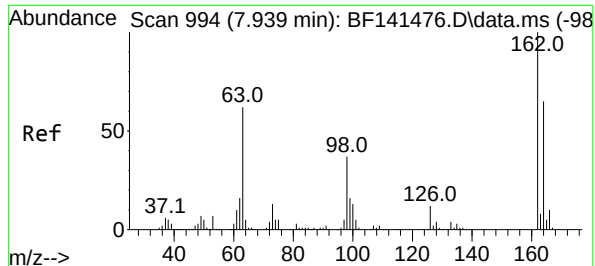
Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

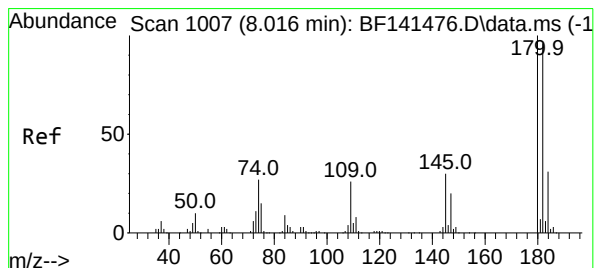
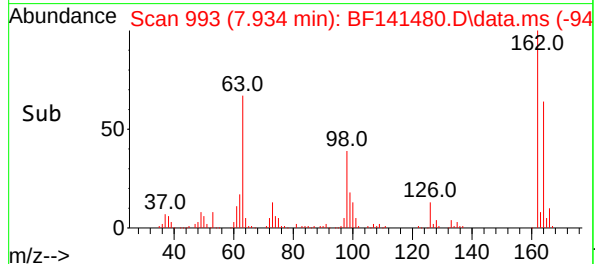
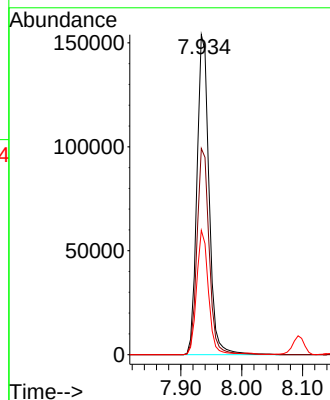
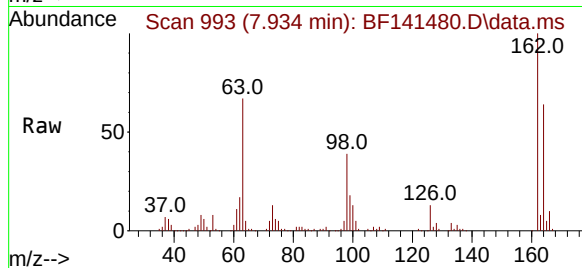
Tgt Ion:	93	Resp:	282744
Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	11.9	9.5	14.3





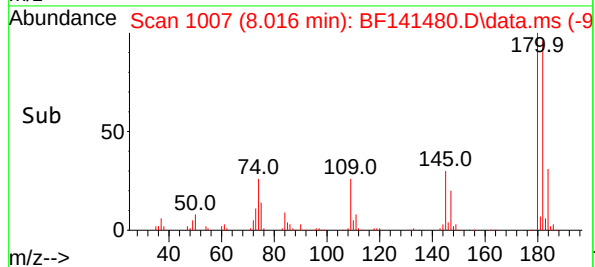
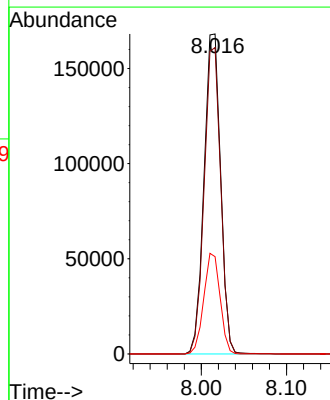
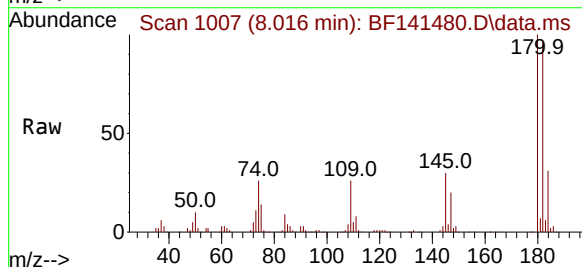
#29
2,4-Dichlorophenol
Concen: 39.818 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

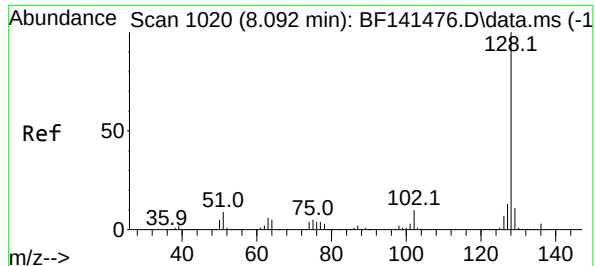
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	38.9	17.2	57.2



#30
1,2,4-Trichlorobenzene
Concen: 39.237 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

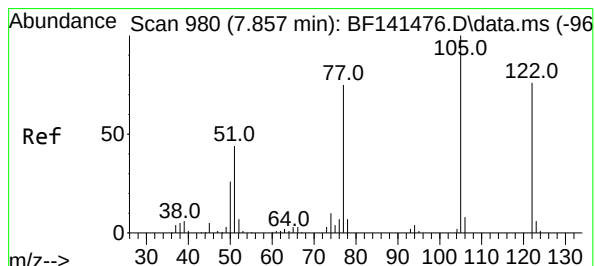
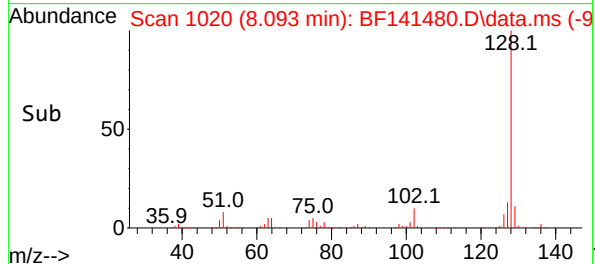
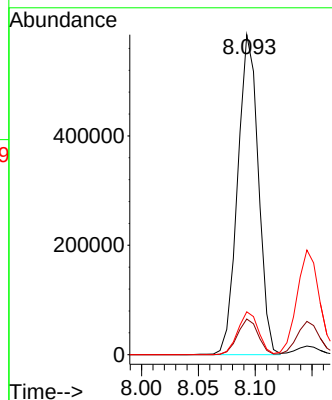
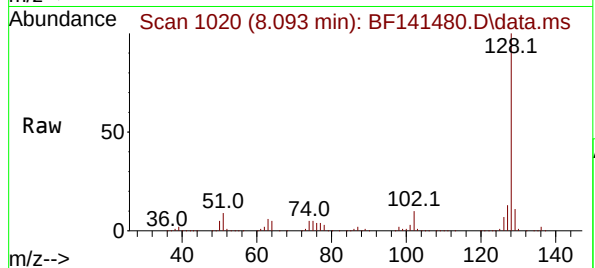
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
145	30.4	24.2	36.4





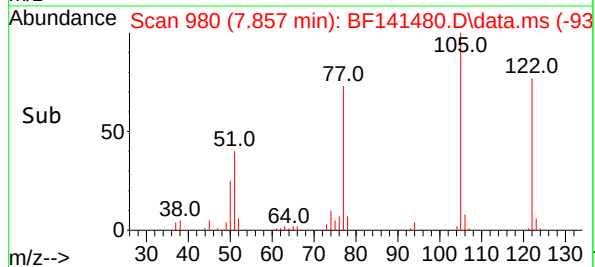
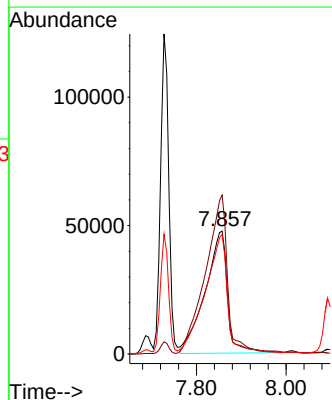
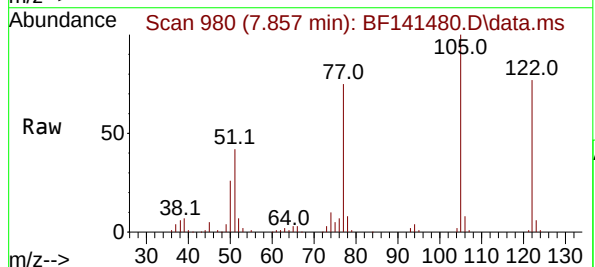
#31
Naphthalene
Concen: 39.287 ng
RT: 8.093 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

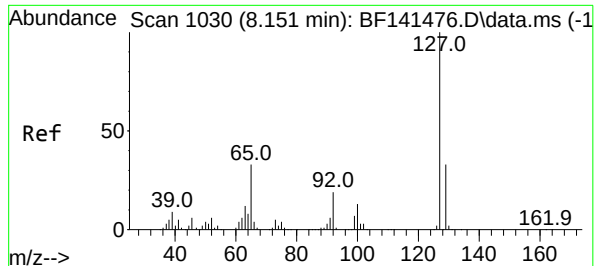
Tgt Ion:128 Resp: 741255
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.7 16.1



#32
Benzoic acid
Concen: 40.324 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

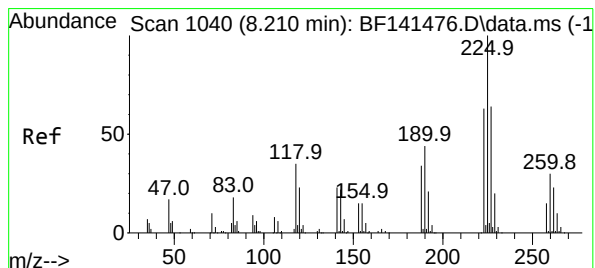
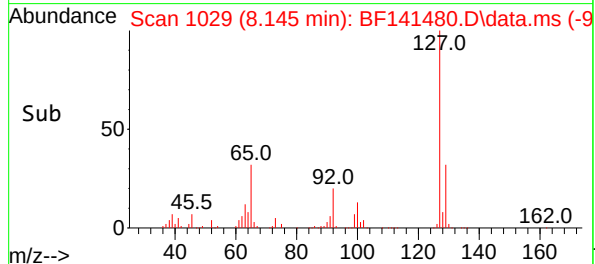
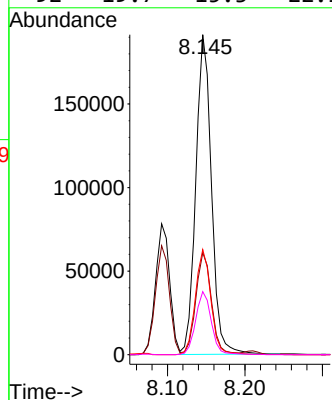
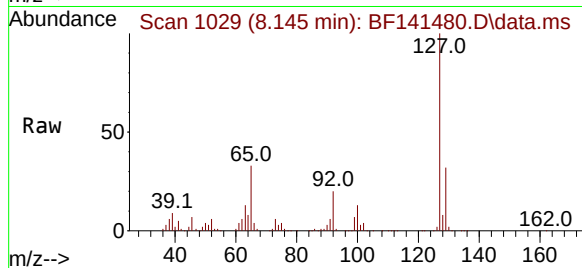
Tgt Ion:122 Resp: 164966
Ion Ratio Lower Upper
122 100
105 129.3 106.5 146.5
77 97.2 76.3 116.3





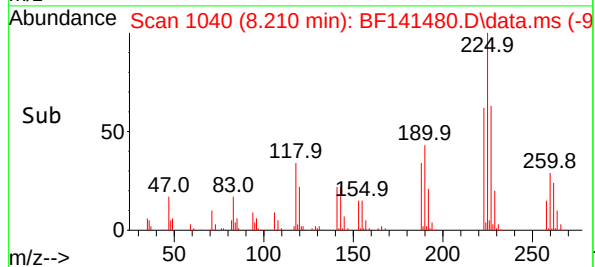
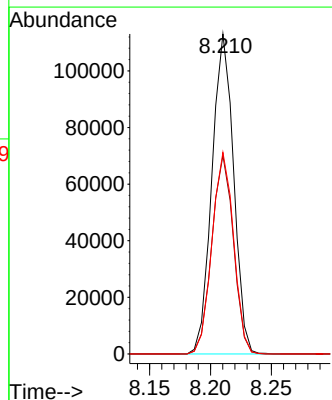
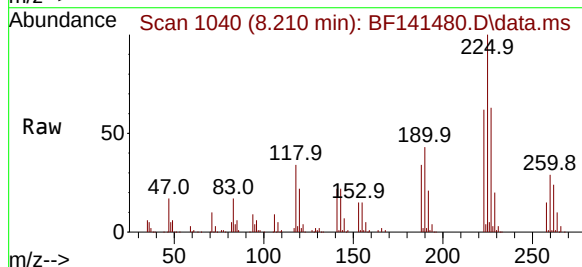
#33
4-Chloroaniline
Concen: 40.680 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

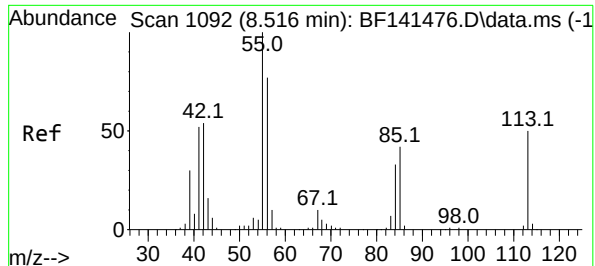
Tgt Ion:	127	Resp:	267977
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.5	39.7
65	32.9	26.4	39.6
92	19.7	15.3	22.9



#34
Hexachlorobutadiene
Concen: 40.144 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

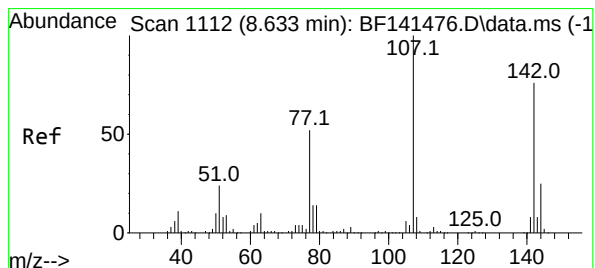
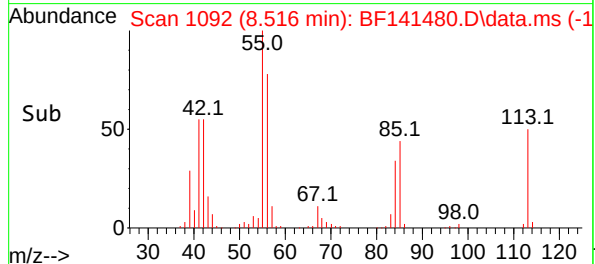
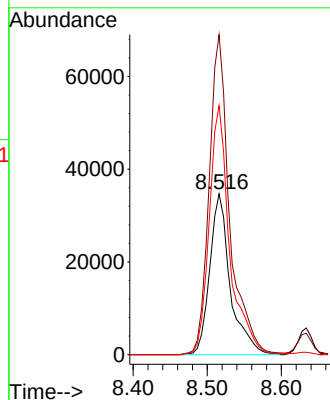
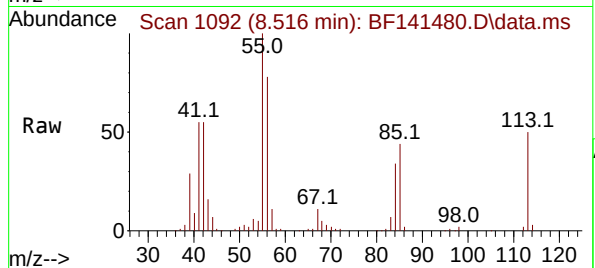
Tgt Ion:	225	Resp:	139658
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.1	75.1
227	63.0	51.0	76.6





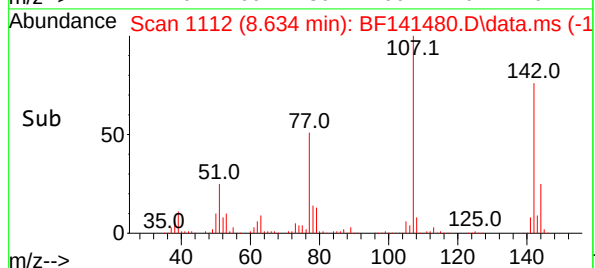
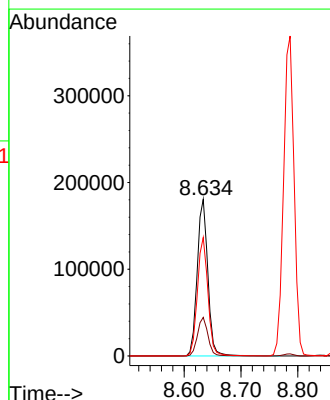
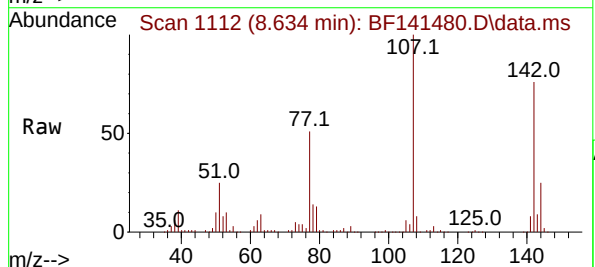
#35
Caprolactam
Concen: 41.104 ng
RT: 8.516 min Scan# 1092
Delta R.T. -0.029 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

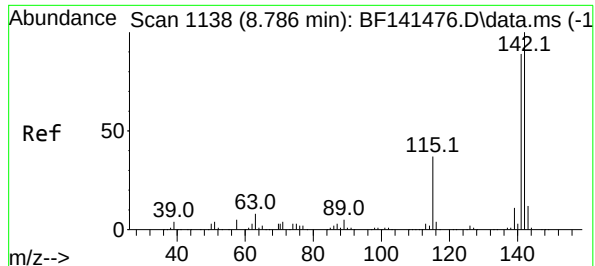
Tgt Ion:113 Resp: 66599
Ion Ratio Lower Upper
113 100
55 199.0 180.8 220.8
56 154.8 133.6 173.6



#36
4-Chloro-3-methylphenol
Concen: 40.006 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

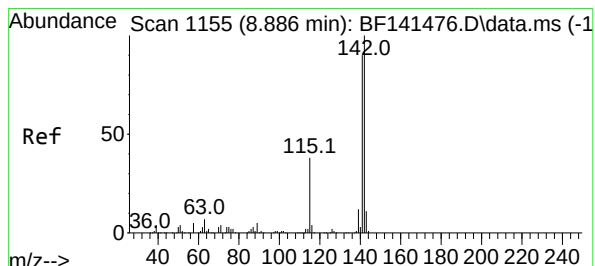
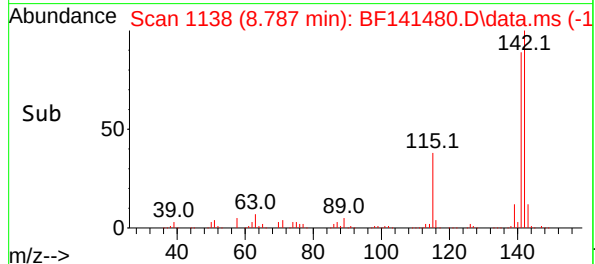
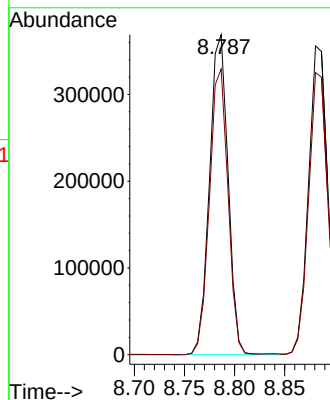
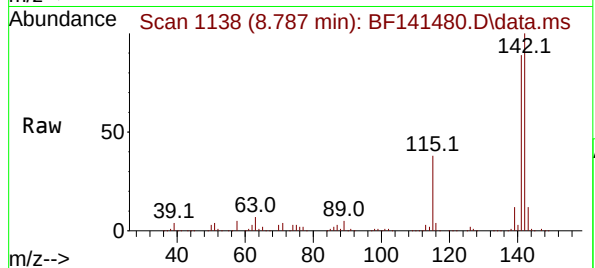
Tgt Ion:107 Resp: 235824
Ion Ratio Lower Upper
107 100
144 24.7 19.7 29.5
142 75.6 60.8 91.2





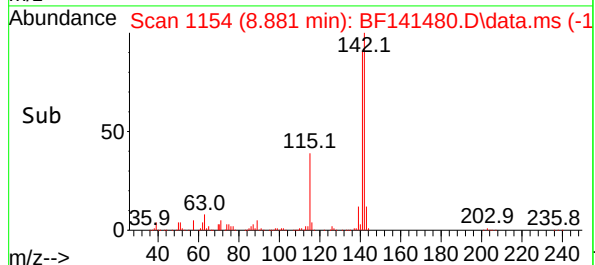
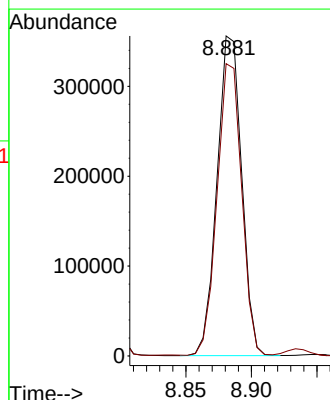
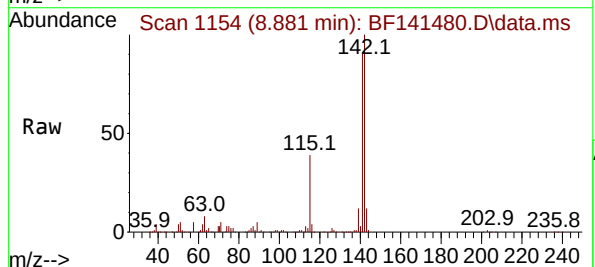
#37
2-Methylnaphthalene
Concen: 38.710 ng
RT: 8.787 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

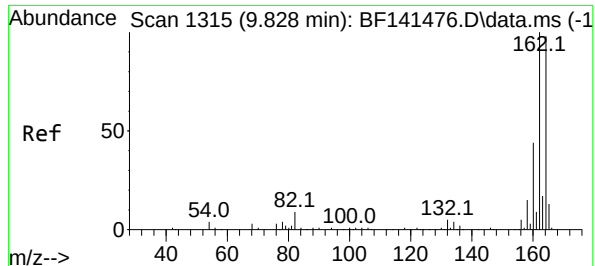
Tgt Ion:142 Resp: 475273
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8



#38
1-Methylnaphthalene
Concen: 39.049 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:142 Resp: 464346
Ion Ratio Lower Upper
142 100
141 91.3 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

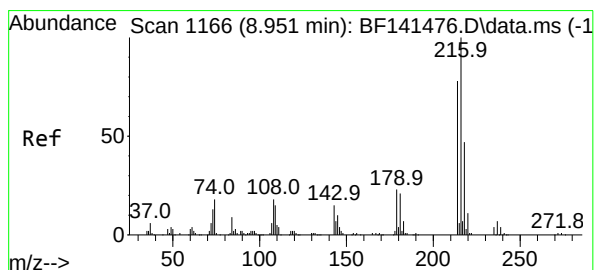
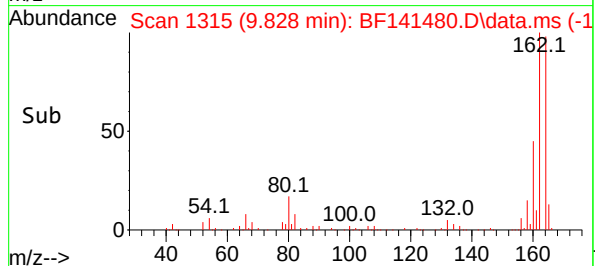
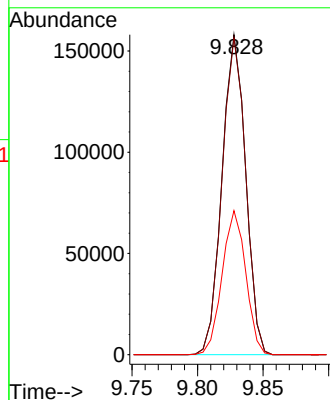
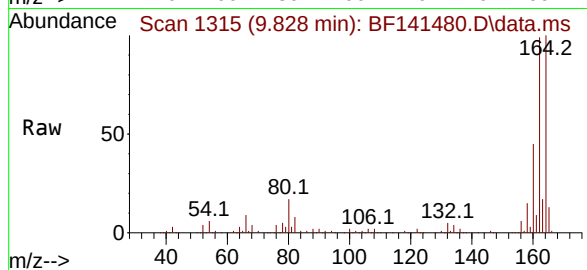
Tgt Ion:164 Resp: 197991

Ion Ratio Lower Upper

164 100

162 99.1 81.3 121.9

160 45.0 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.182 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:216 Resp: 230166

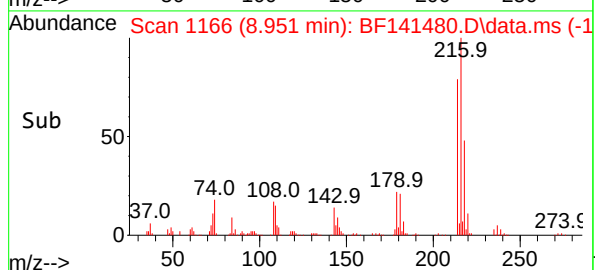
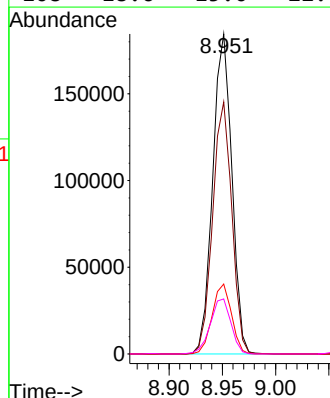
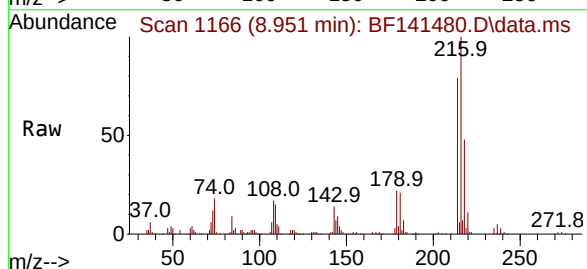
Ion Ratio Lower Upper

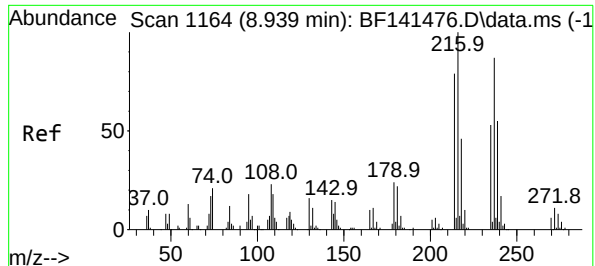
216 100

214 78.9 62.3 93.5

179 22.1 18.0 27.0

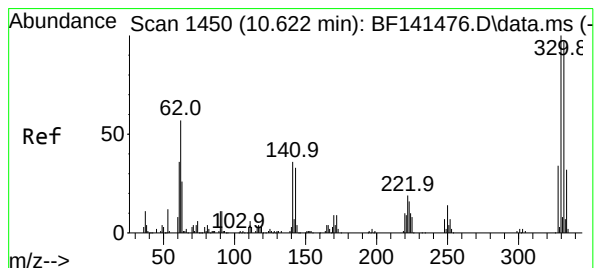
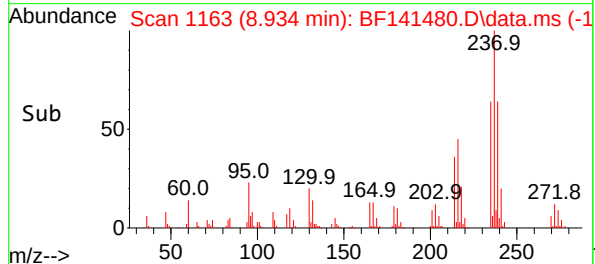
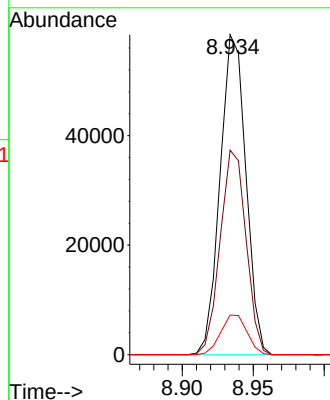
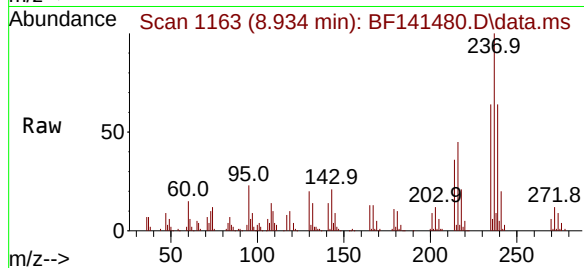
108 18.6 15.0 22.6





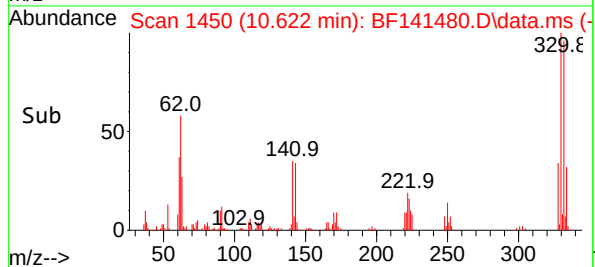
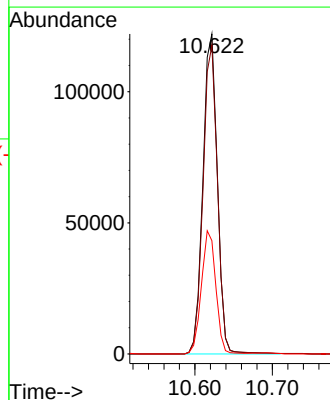
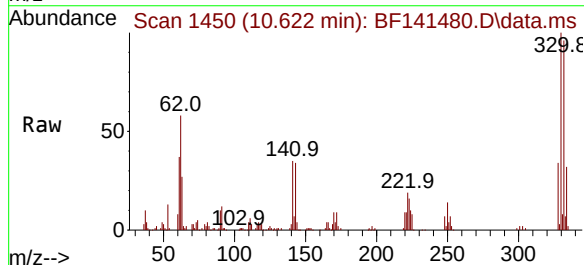
#41
Hexachlorocyclopentadiene
Concen: 38.754 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

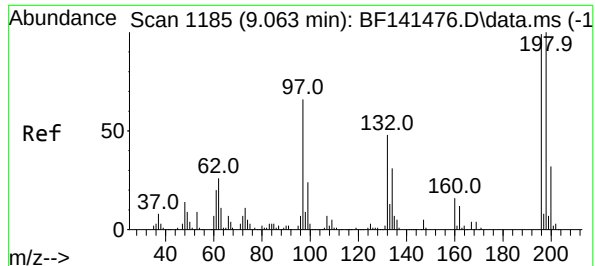
Tgt Ion:237 Resp: 73834
Ion Ratio Lower Upper
237 100
235 63.9 41.4 81.4
272 12.4 0.0 32.4



#42
2,4,6-Tribromophenol
Concen: 79.490 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

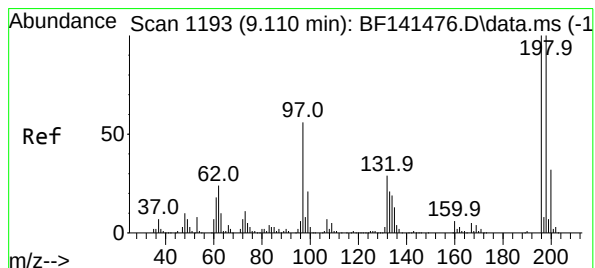
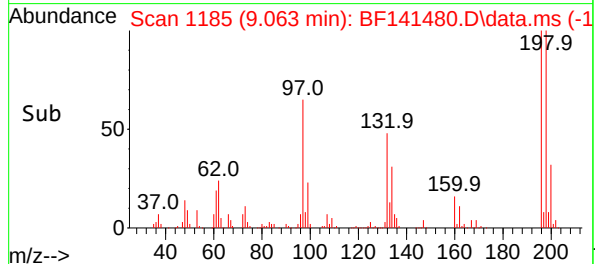
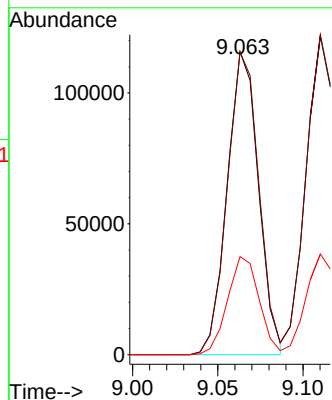
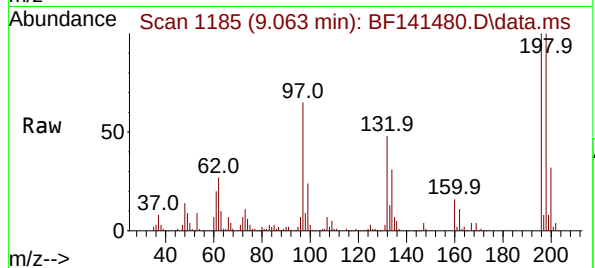
Tgt Ion:330 Resp: 158098
Ion Ratio Lower Upper
330 100
332 96.5 78.5 117.7
141 38.4 31.0 46.4





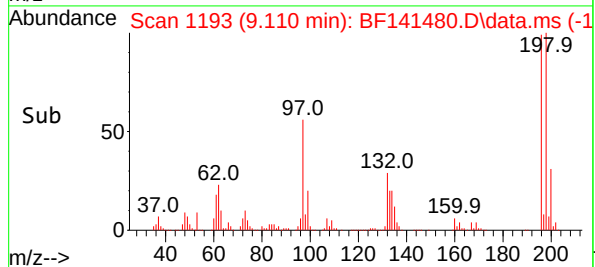
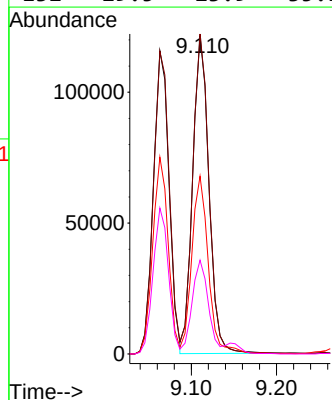
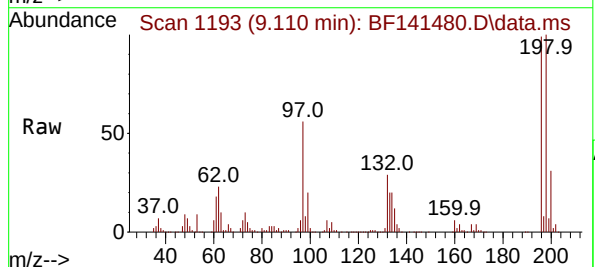
#43
2,4,6-Trichlorophenol
Concen: 39.914 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

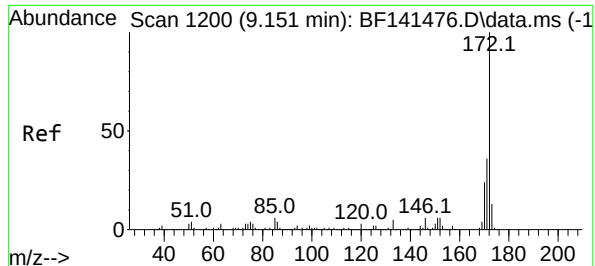
Tgt Ion:196 Resp: 147770
Ion Ratio Lower Upper
196 100
198 99.8 80.6 121.0
200 32.3 25.5 38.3



#44
2,4,5-Trichlorophenol
Concen: 40.108 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

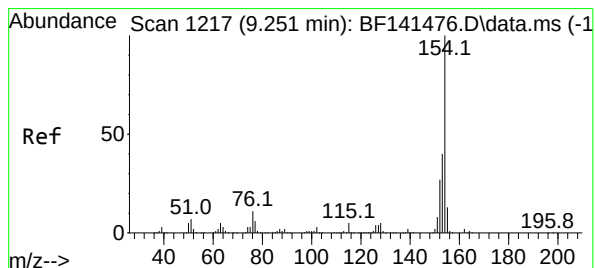
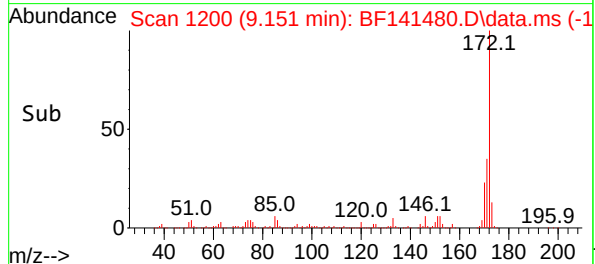
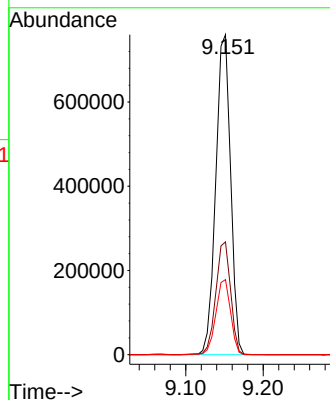
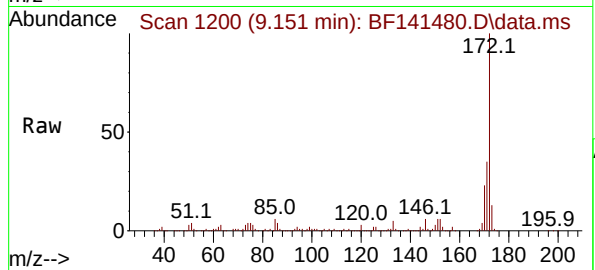
Tgt Ion:196 Resp: 160926
Ion Ratio Lower Upper
196 100
198 100.5 79.8 119.8
97 55.8 44.8 67.2
132 29.5 23.9 35.9





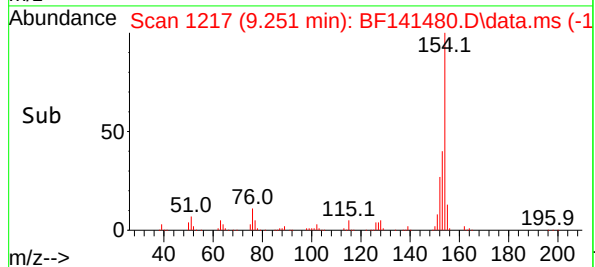
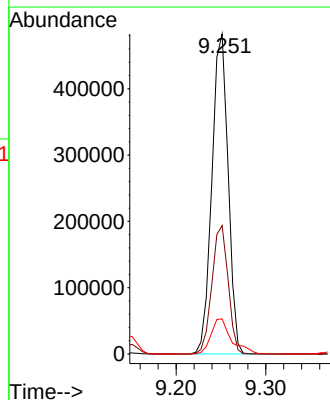
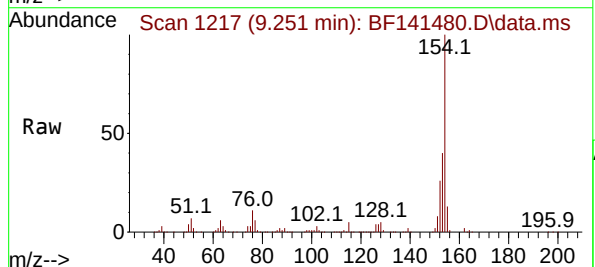
#45
2-Fluorobiphenyl
Concen: 78.786 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

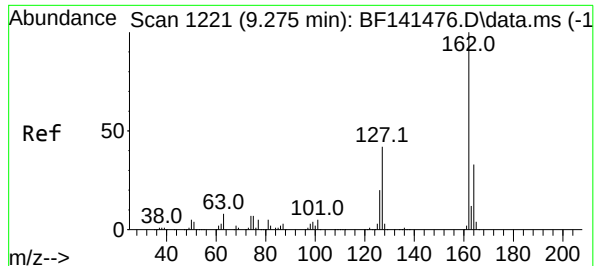
Tgt Ion:172 Resp: 1012492
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.4 18.9 28.3



#46
1,1'-Biphenyl
Concen: 39.519 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

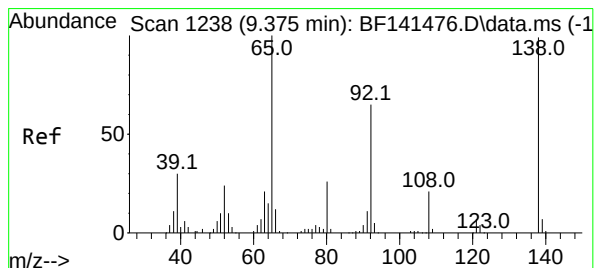
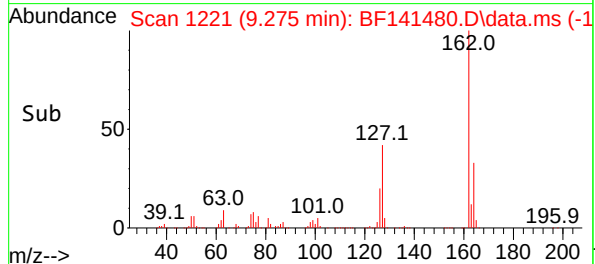
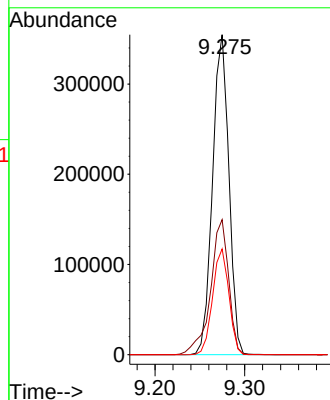
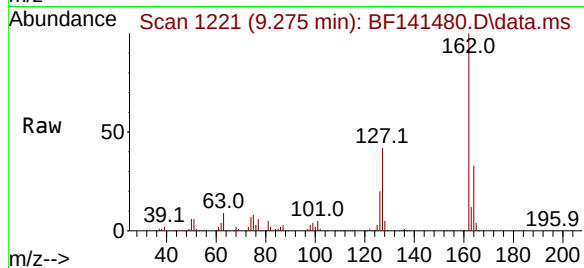
Tgt Ion:154 Resp: 606611
Ion Ratio Lower Upper
154 100
153 40.1 20.4 60.4
76 10.9 0.0 30.8





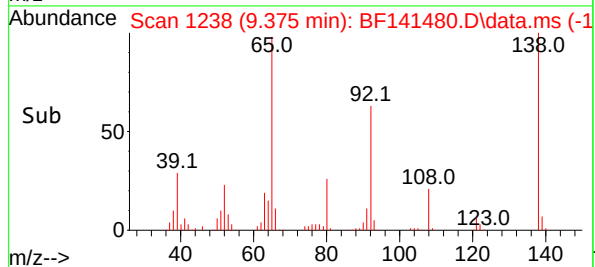
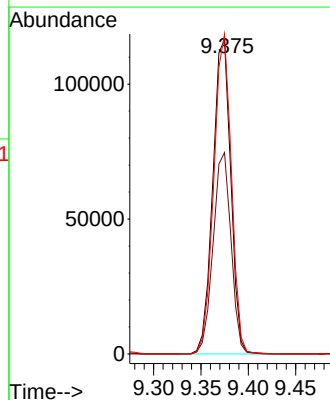
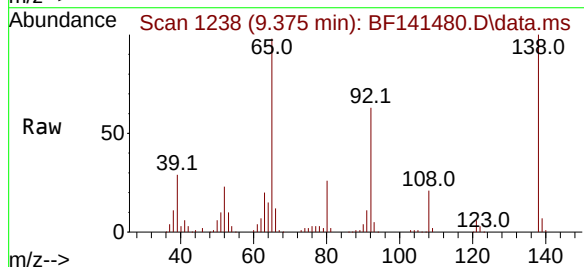
#47
2-Chloronaphthalene
Concen: 39.453 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

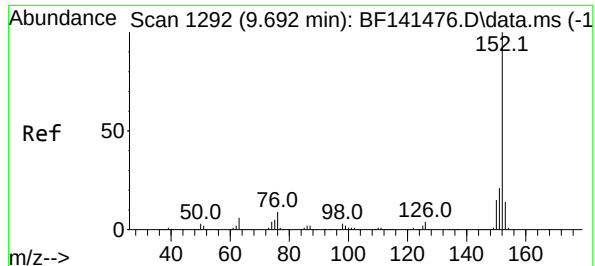
Tgt Ion: 162 Resp: 447817
Ion Ratio Lower Upper
162 100
127 42.2 34.1 51.1
164 33.1 26.3 39.5



#48
2-Nitroaniline
Concen: 40.451 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion: 65 Resp: 154092
Ion Ratio Lower Upper
65 100
92 64.2 52.2 78.2
138 101.9 79.5 119.3





#49

Acenaphthylene

Concen: 39.734 ng

RT: 9.687 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

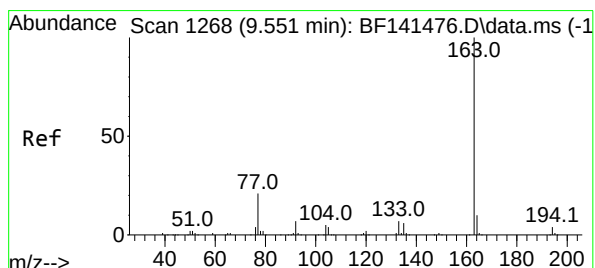
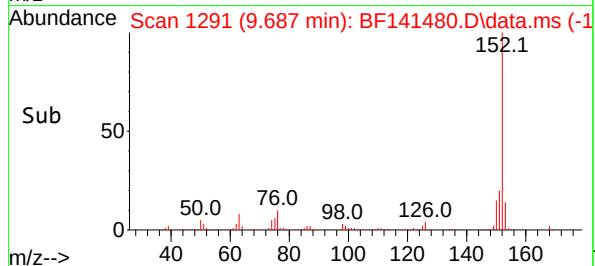
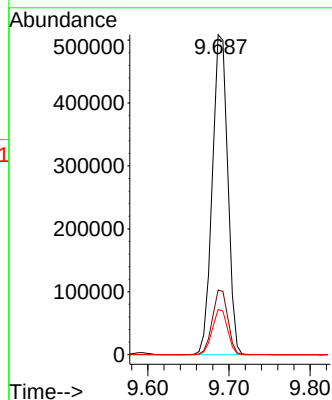
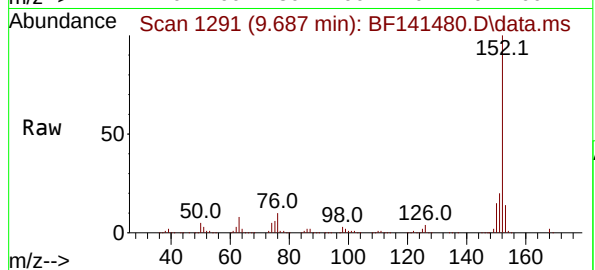
Tgt Ion:152 Resp: 670833

Ion Ratio Lower Upper

152 100

151 20.2 16.4 24.6

153 14.1 10.9 16.3



#50

Dimethylphthalate

Concen: 39.488 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.011 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

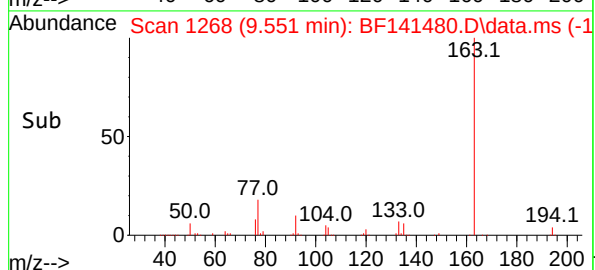
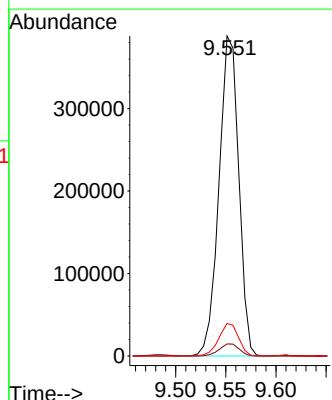
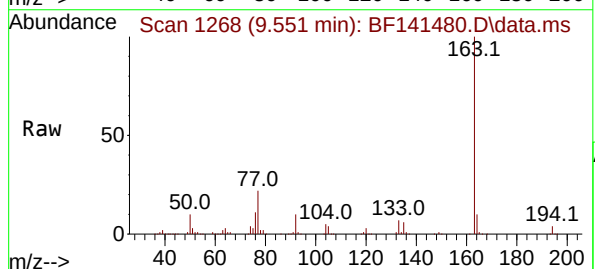
Tgt Ion:163 Resp: 530769

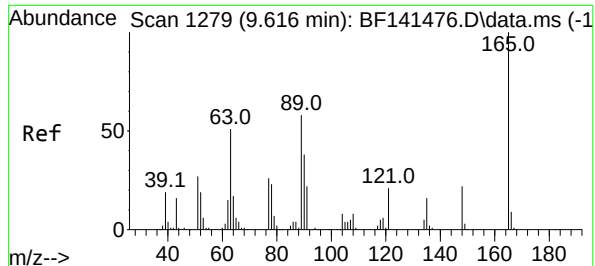
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

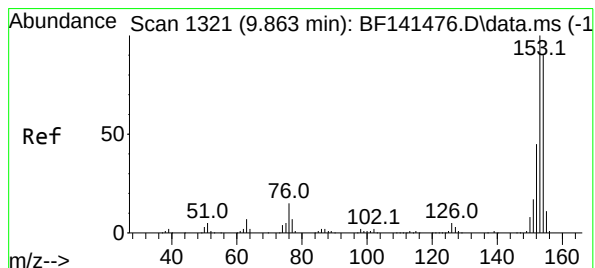
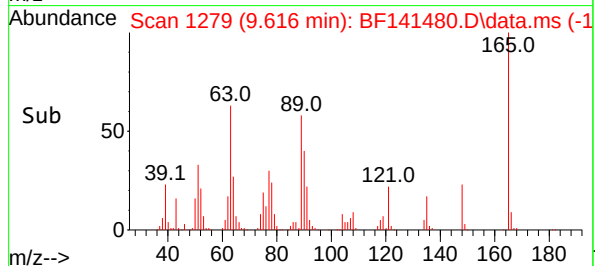
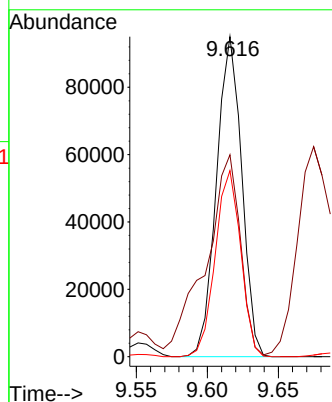
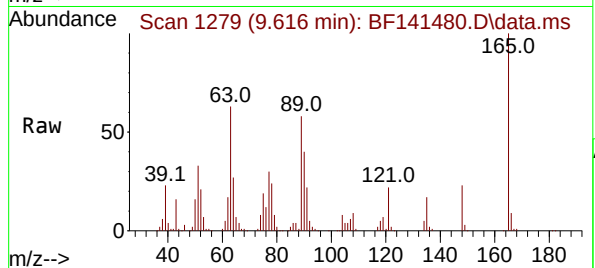
164 10.2 7.9 11.9





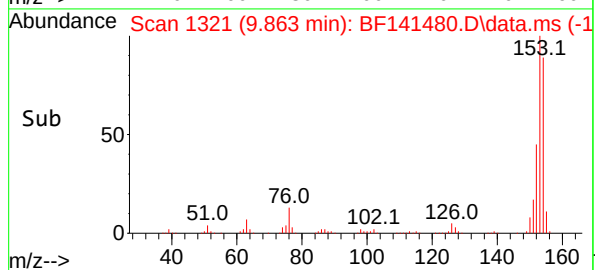
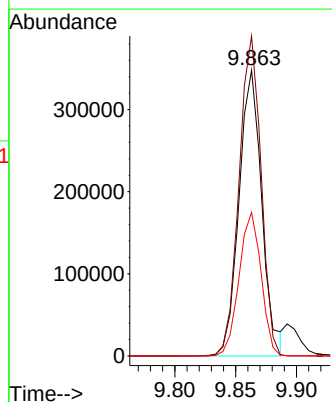
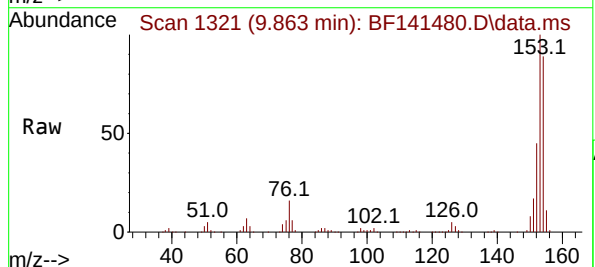
#51
2,6-Dinitrotoluene
Concen: 39.965 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

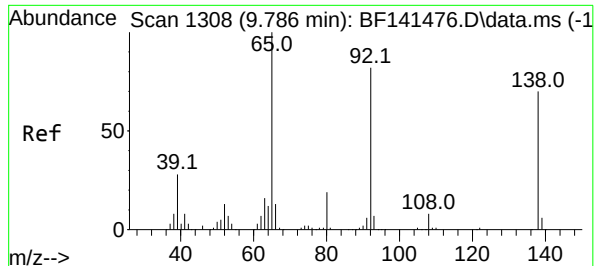
Tgt Ion:165 Resp: 117431
Ion Ratio Lower Upper
165 100
63 63.1 49.4 74.0
89 58.2 46.5 69.7



#52
Acenaphthene
Concen: 39.893 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

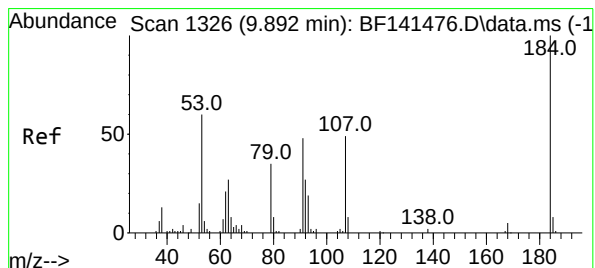
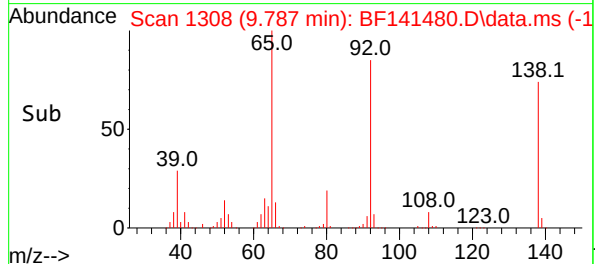
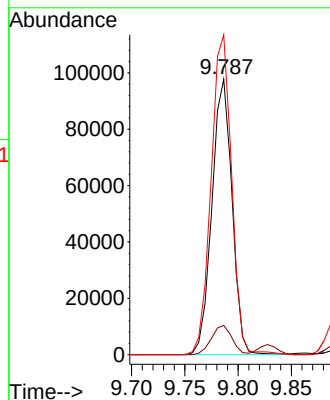
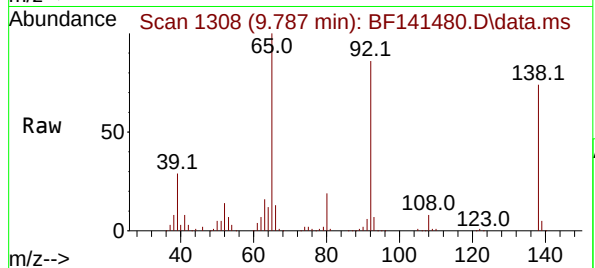
Tgt Ion:154 Resp: 452794
Ion Ratio Lower Upper
154 100
153 112.0 89.2 133.8
152 50.2 39.8 59.8





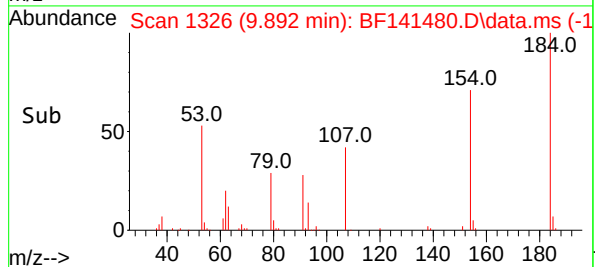
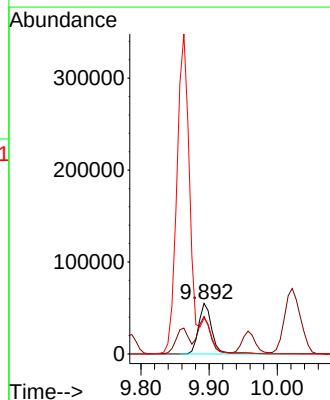
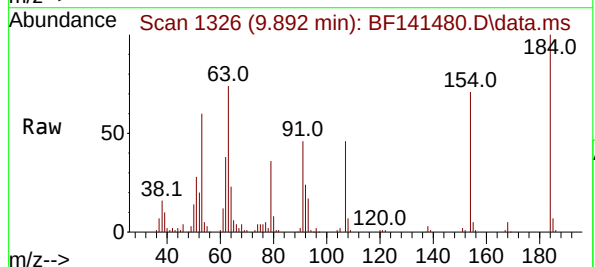
#53
3-Nitroaniline
Concen: 40.463 ng
RT: 9.787 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

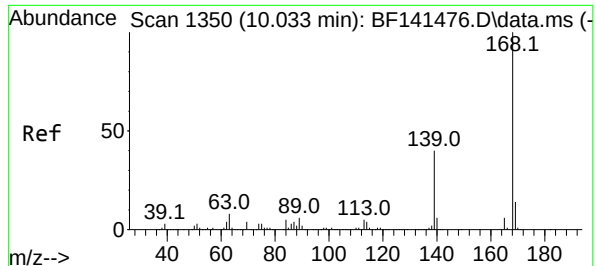
Tgt Ion:138 Resp: 127965
Ion Ratio Lower Upper
138 100
108 10.7 9.0 13.4
92 116.2 93.7 140.5



#54
2,4-Dinitrophenol
Concen: 42.639 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

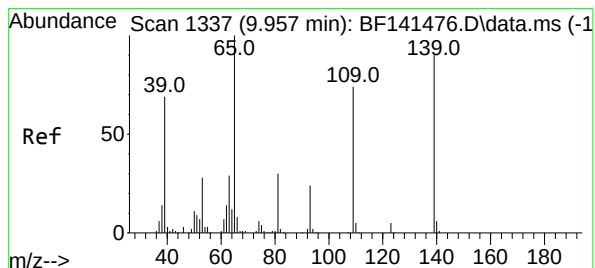
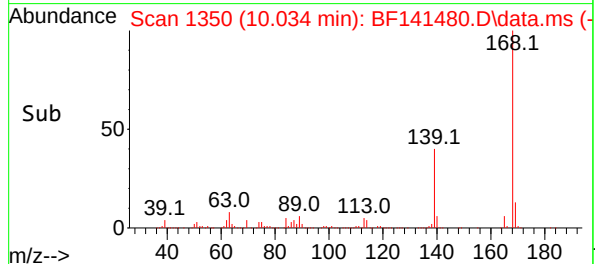
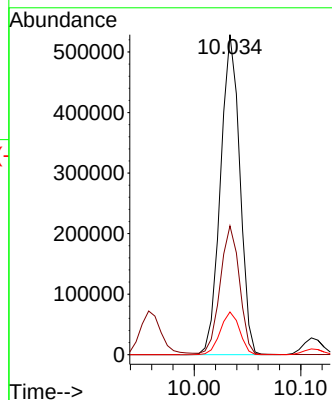
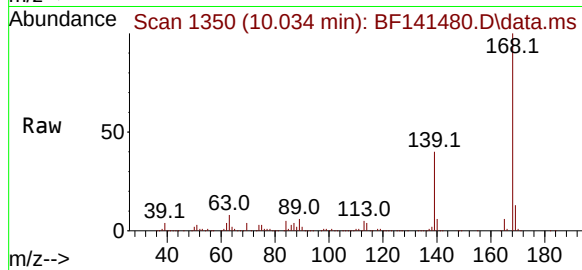
Tgt Ion:184 Resp: 74461
Ion Ratio Lower Upper
184 100
63 74.2 61.0 91.6
154 71.0 59.9 89.9





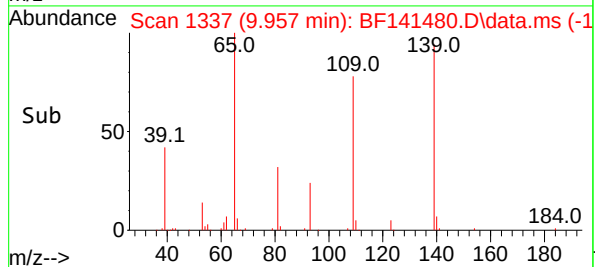
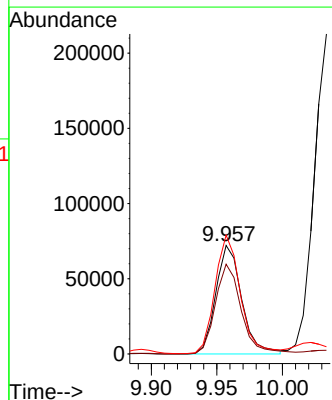
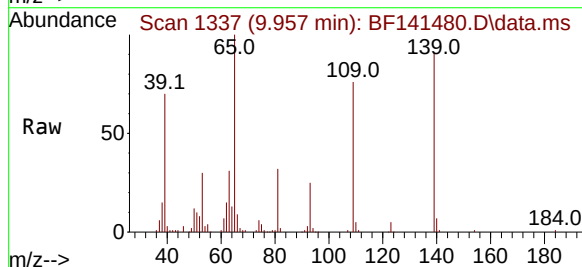
#55
Dibenzenofuran
Concen: 39.860 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

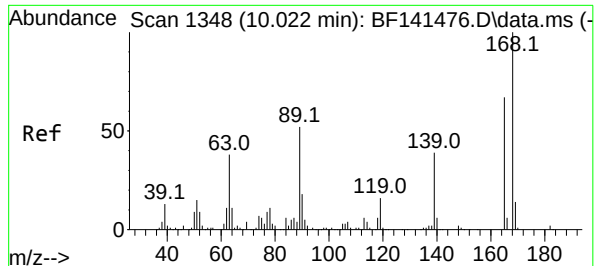
Tgt Ion:168 Resp: 664069
Ion Ratio Lower Upper
168 100
139 40.2 32.7 49.1
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 42.166 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

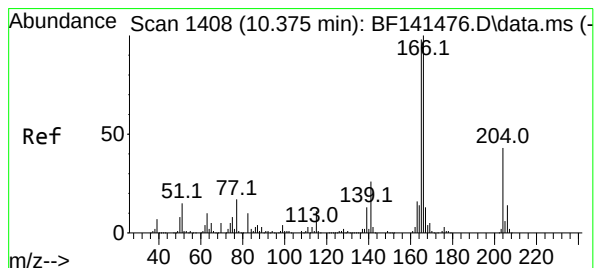
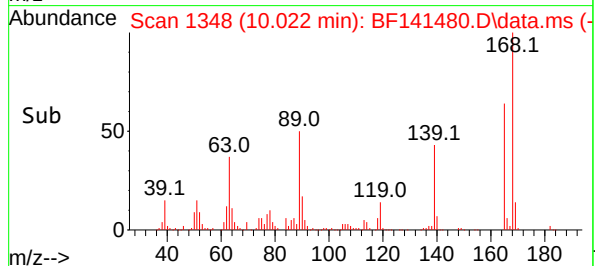
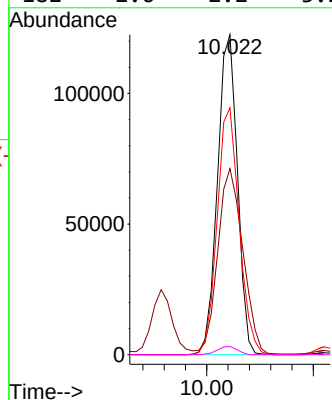
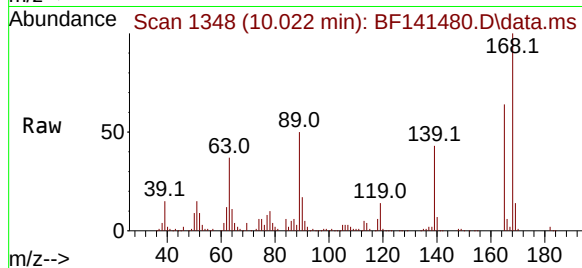
Tgt Ion:139 Resp: 98990
Ion Ratio Lower Upper
139 100
109 82.7 62.0 102.0
65 109.5 91.2 131.2





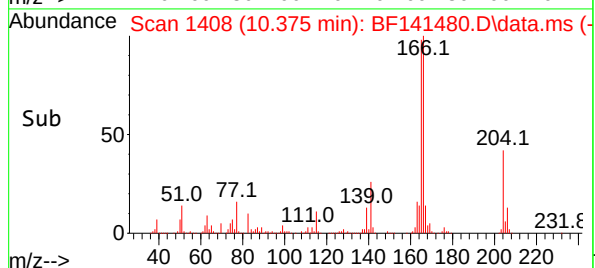
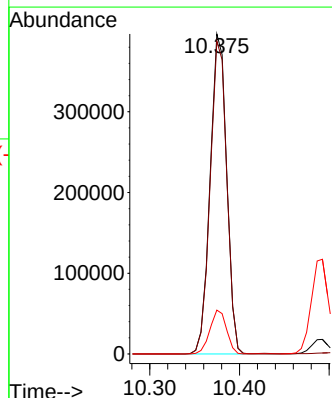
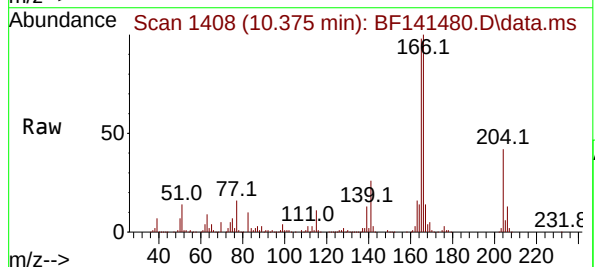
#57
2,4-Dinitrotoluene
Concen: 40.633 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

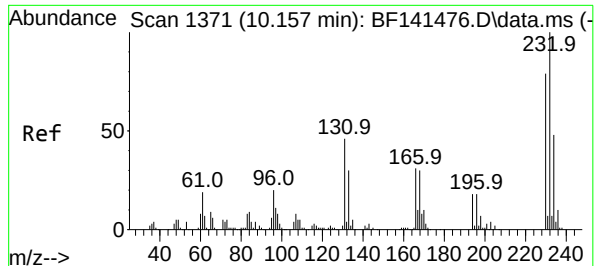
Tgt Ion	Ratio	Lower	Upper
165	100		
63	58.1	46.4	69.6
89	77.2	61.8	92.6
182	2.6	2.2	3.2



#58
Fluorene
Concen: 39.501 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

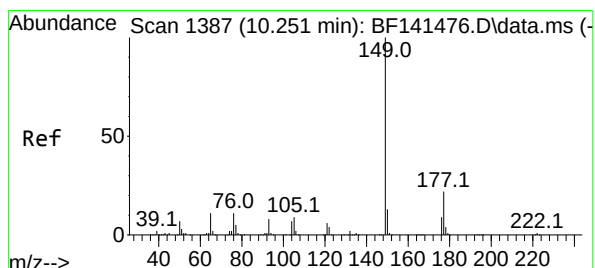
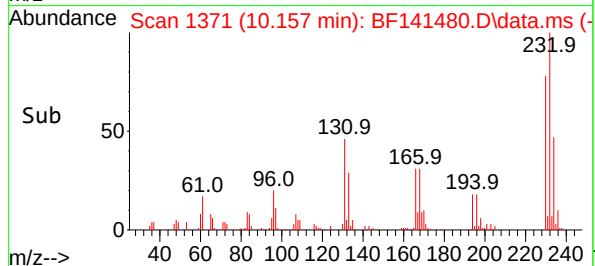
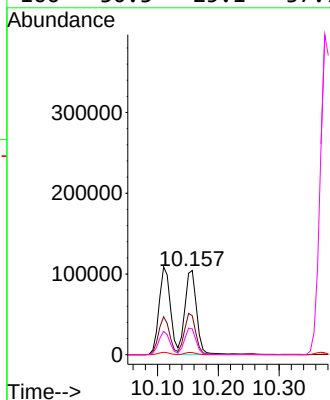
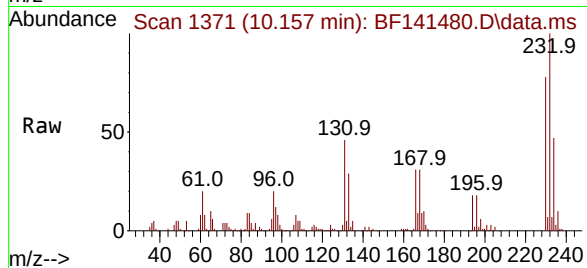
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.7	10.7	16.1





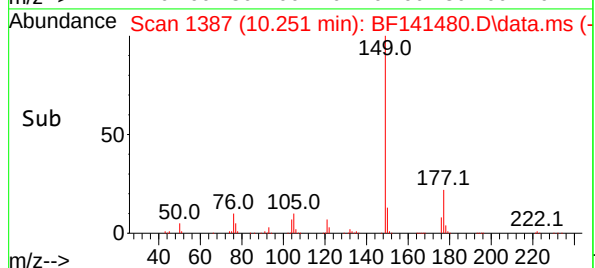
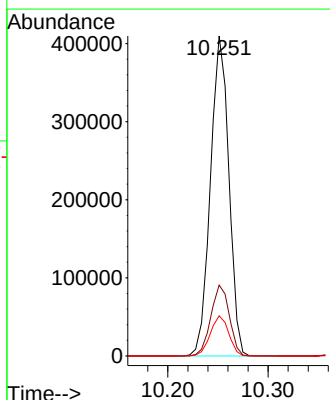
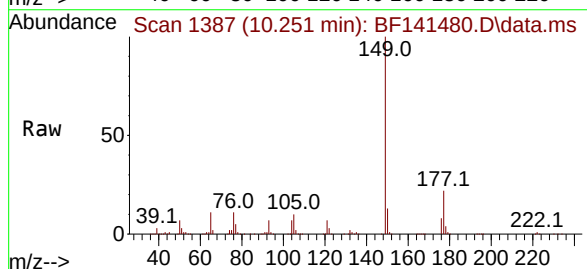
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.438 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

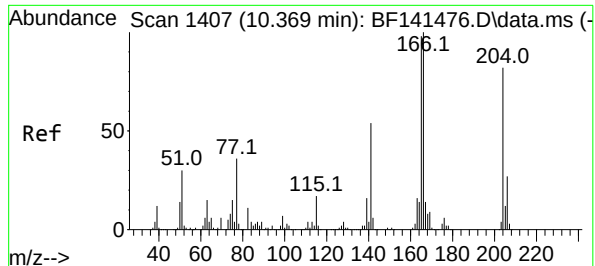
Tgt Ion:232 Resp: 139688
Ion Ratio Lower Upper
232 100
131 46.8 39.2 58.8
130 2.6 2.1 3.1
166 30.3 25.1 37.7



#60
Diethylphthalate
Concen: 39.467 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

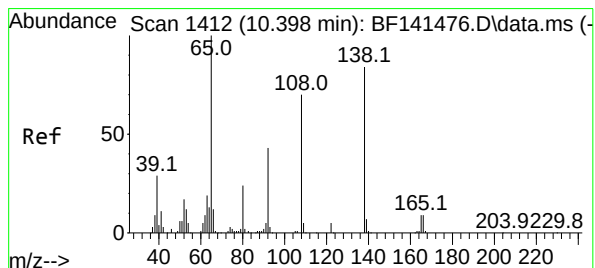
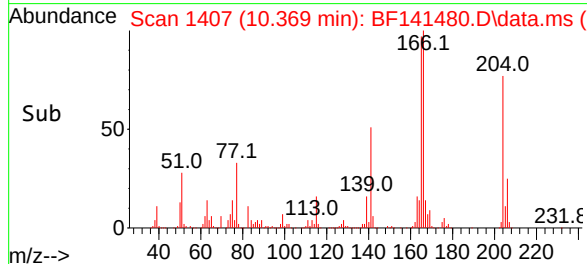
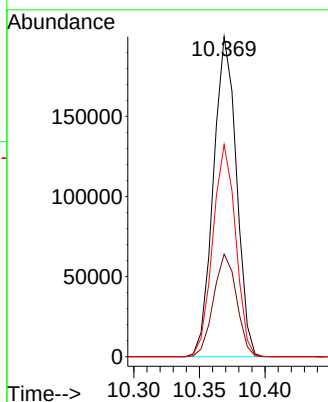
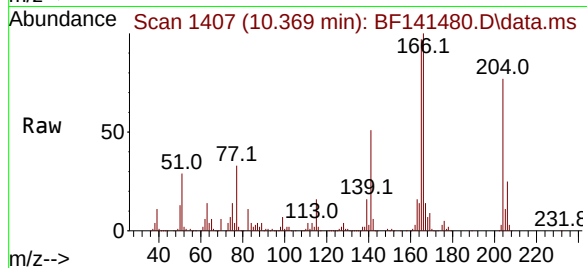
Tgt Ion:149 Resp: 521933
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.6 10.1 15.1





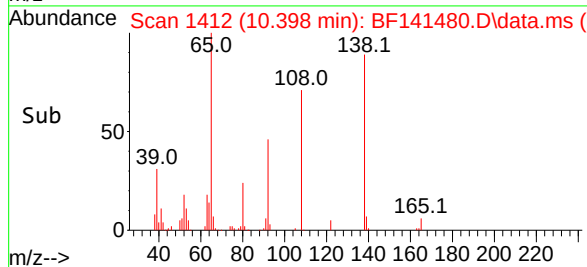
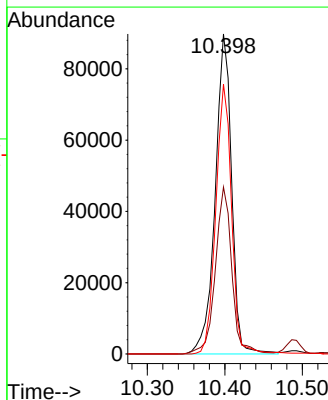
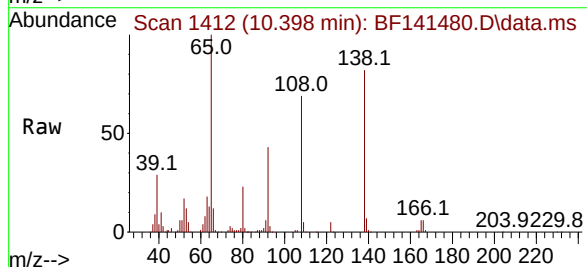
#61
4-Chlorophenyl-phenylether
Concen: 39.318 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

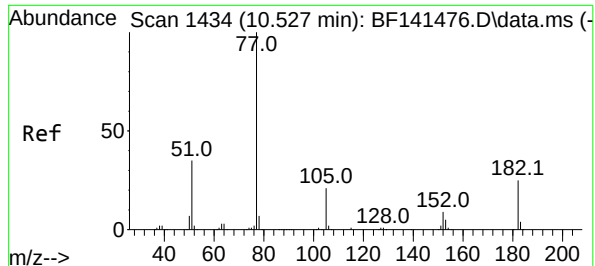
Tgt Ion:	204	Resp:	243659
Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.6	40.0
141	66.2	51.9	77.9



#62
4-Nitroaniline
Concen: 41.124 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

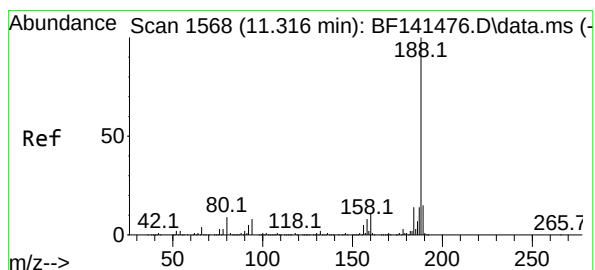
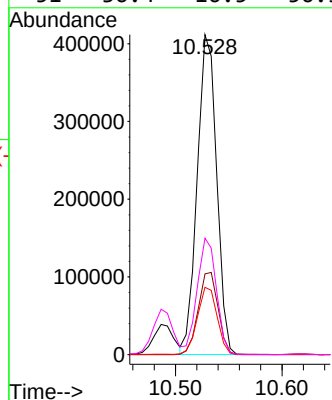
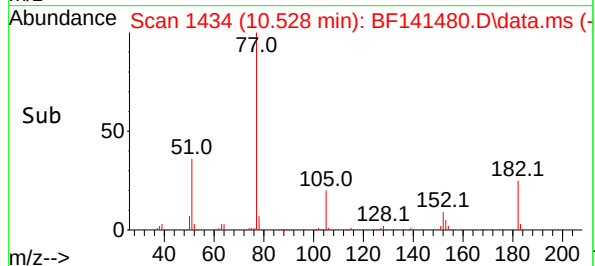
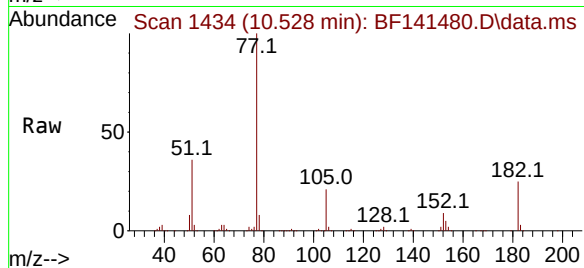
Tgt Ion:	138	Resp:	132059
Ion	Ratio	Lower	Upper
138	100		
92	52.1	31.3	71.3
108	84.3	63.7	103.7





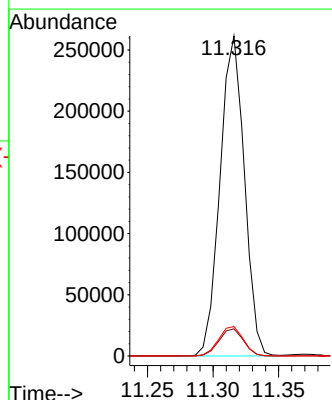
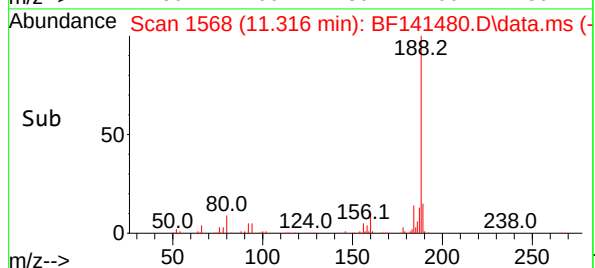
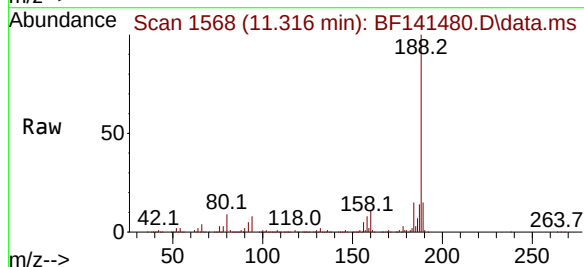
#63
Azobenzene
Concen: 39.759 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.005 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

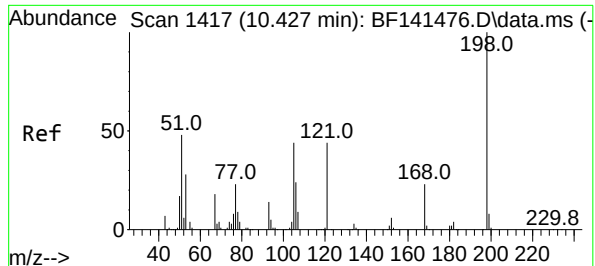
Tgt Ion: 77	Resp: 522705
Ion Ratio	Lower Upper
77 100	
182 25.2	4.7 44.7
105 21.0	0.4 40.4
51 36.4	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

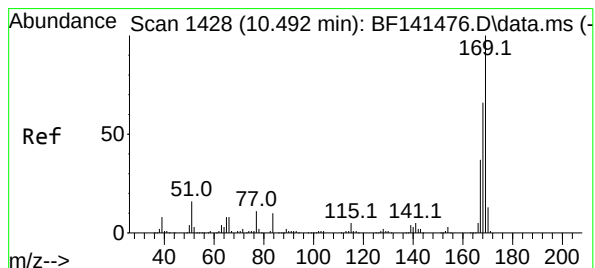
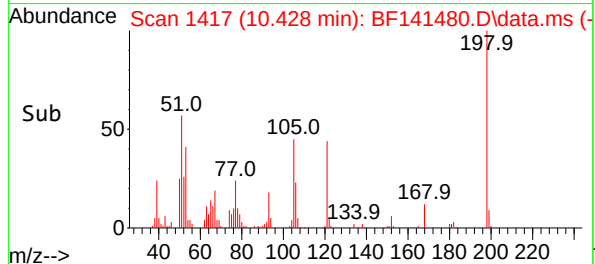
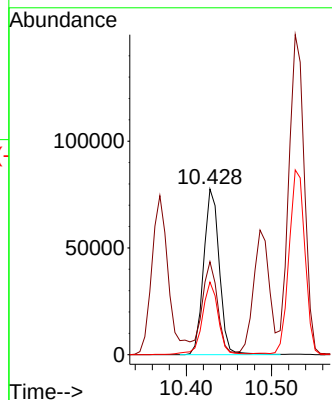
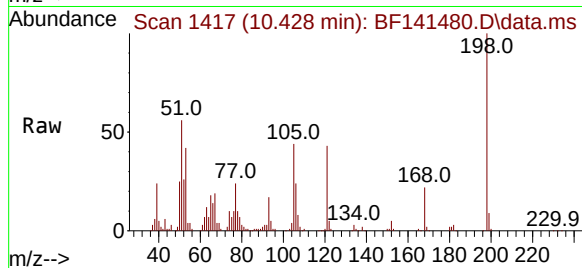
Tgt Ion: 188	Resp: 337289
Ion Ratio	Lower Upper
188 100	
94 8.5	6.6 10.0
80 9.2	7.3 10.9





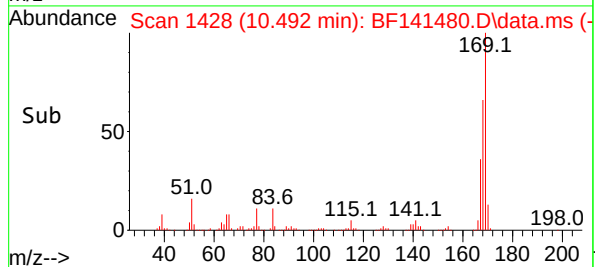
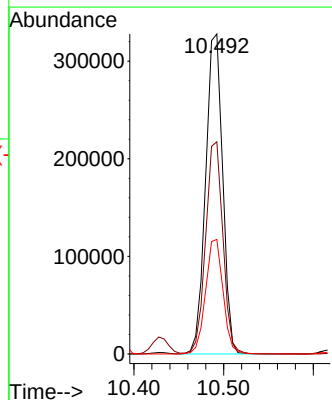
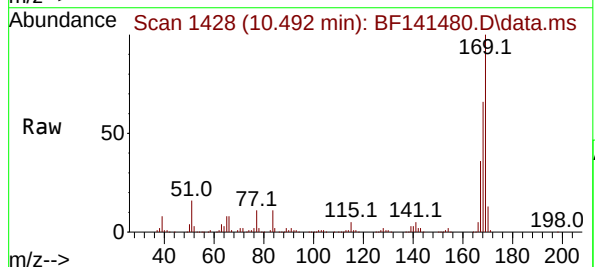
#65
4,6-Dinitro-2-methylphenol
Concen: 42.230 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

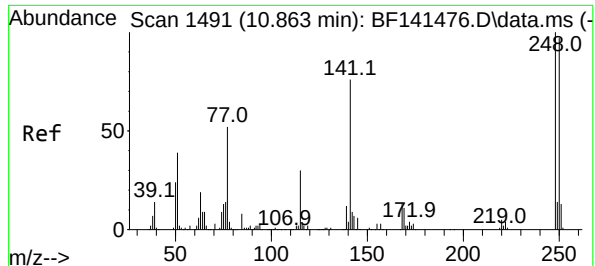
Tgt Ion	Ratio	Lower	Upper
198	100		
51	56.2	37.4	77.4
105	43.9	25.2	65.2



#66
n-Nitrosodiphenylamine
Concen: 40.040 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

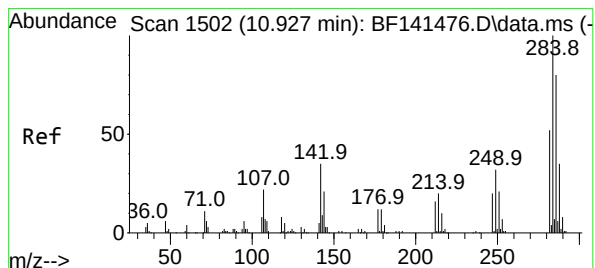
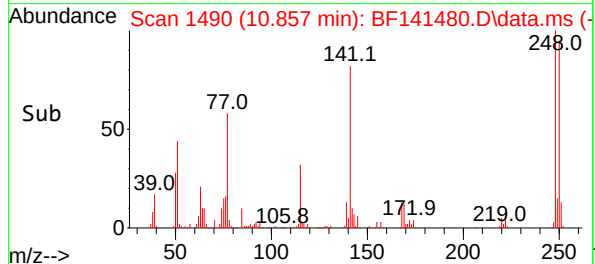
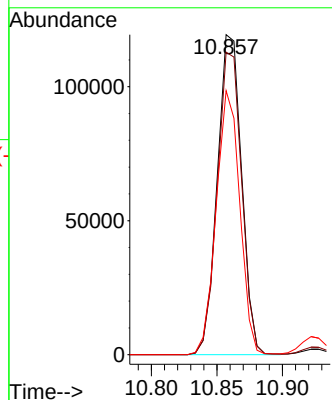
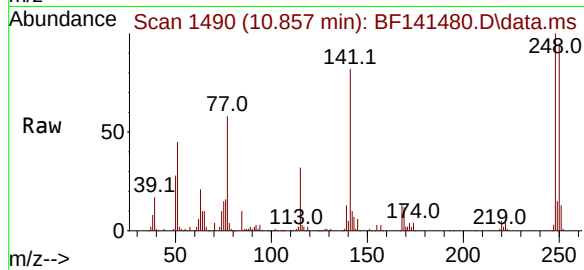
Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.3	79.9
167	35.8	29.4	44.2





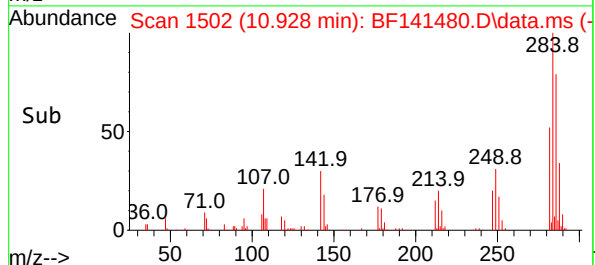
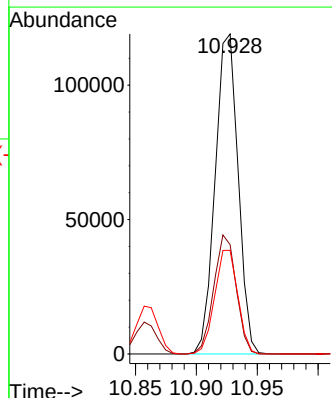
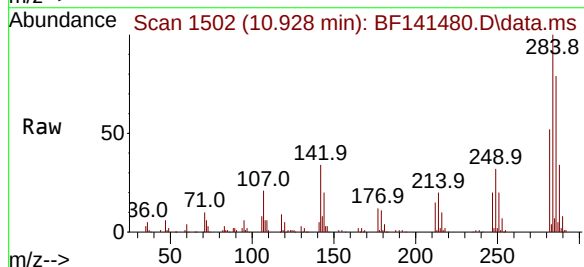
#67
4-Bromophenyl-phenylether
Concen: 40.864 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

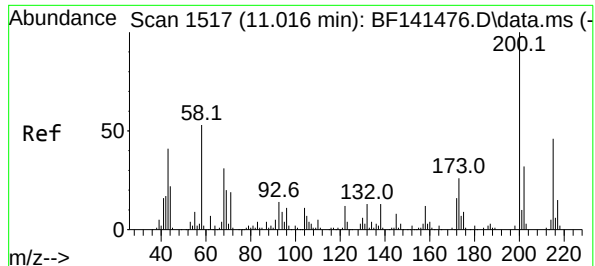
Tgt Ion:248 Resp: 154044
Ion Ratio Lower Upper
248 100
250 94.5 77.8 116.6
141 82.5 60.6 90.8



#68
Hexachlorobenzene
Concen: 40.208 ng
RT: 10.928 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:284 Resp: 156075
Ion Ratio Lower Upper
284 100
142 34.2 28.0 42.0
249 32.4 25.8 38.8





#69

Atrazine

Concen: 39.358 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.005 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

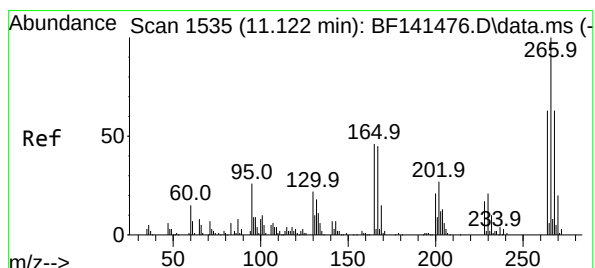
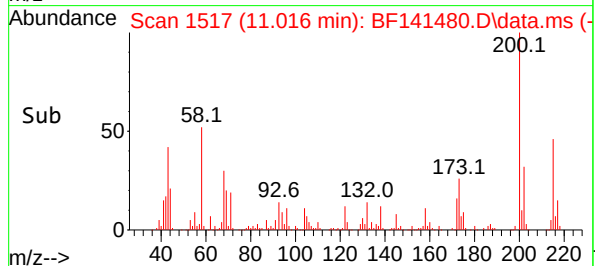
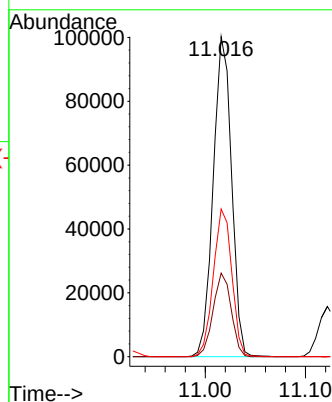
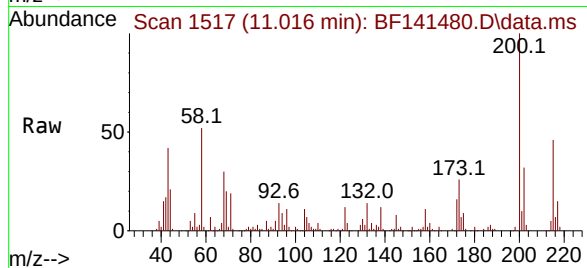
Tgt Ion:200 Resp: 127486

Ion Ratio Lower Upper

200 100

173 26.1 5.9 45.9

215 46.2 25.9 65.9



#70

Pentachlorophenol

Concen: 42.476 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

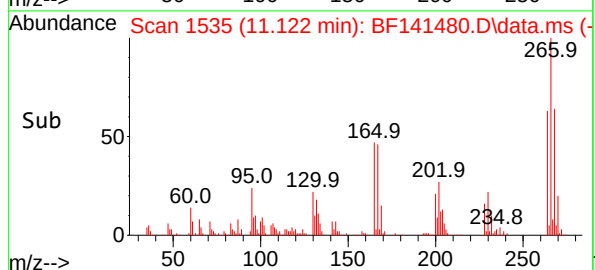
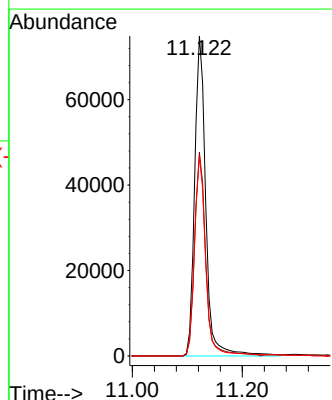
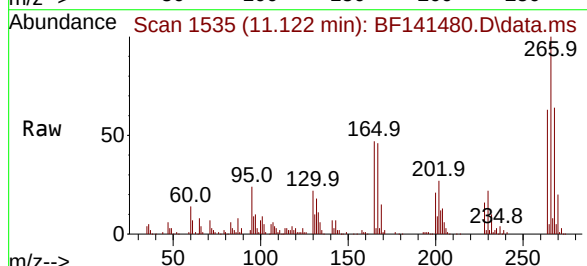
Tgt Ion:266 Resp: 105427

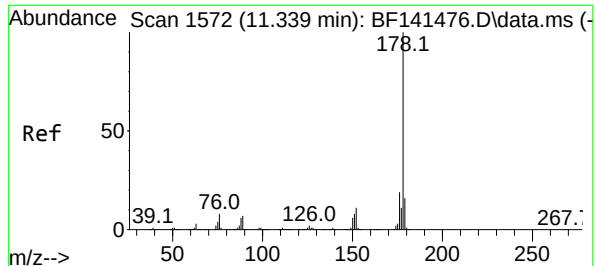
Ion Ratio Lower Upper

266 100

268 63.6 50.1 75.1

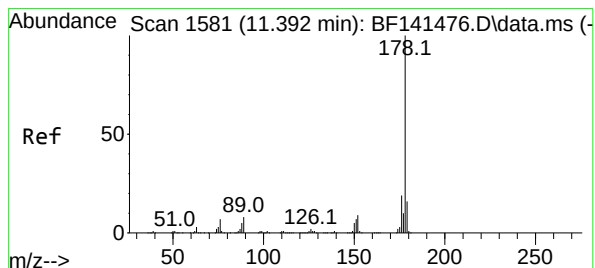
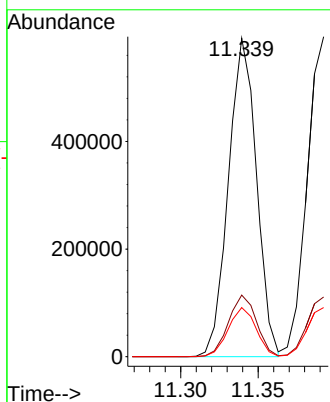
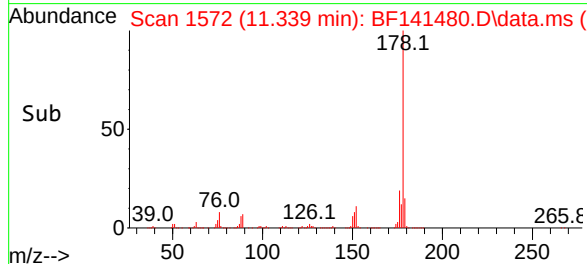
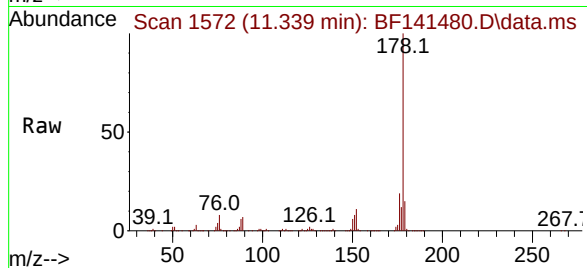
264 62.5 50.1 75.1





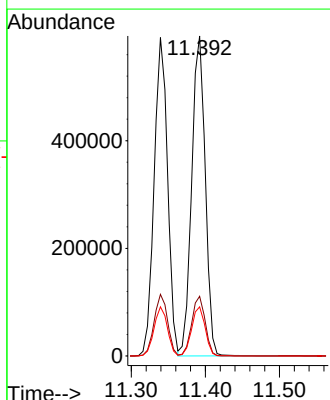
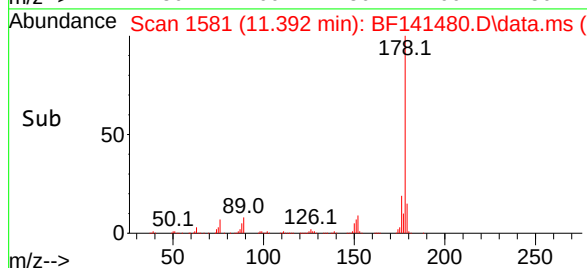
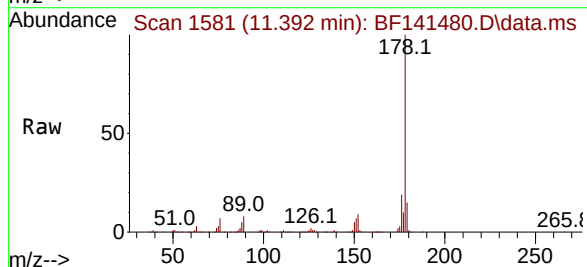
#71
Phenanthrene
Concen: 40.114 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

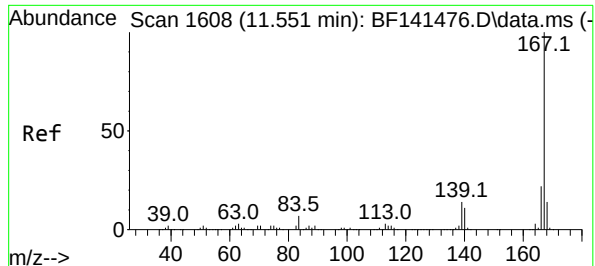
Tgt Ion:178 Resp: 744761
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 40.362 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

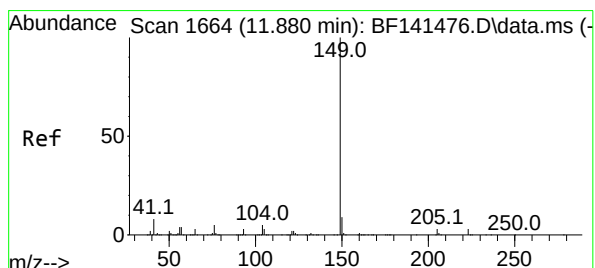
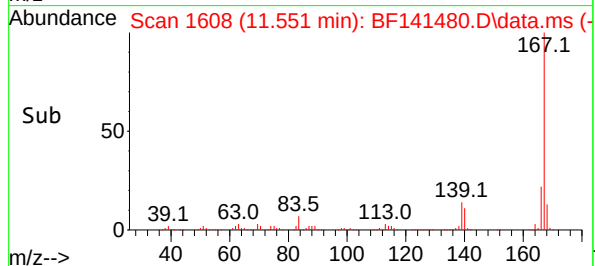
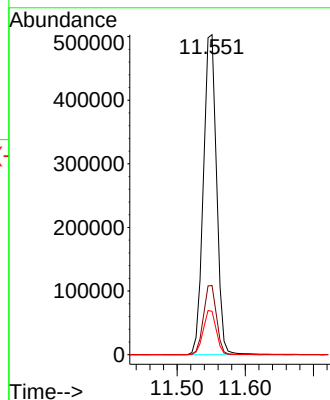
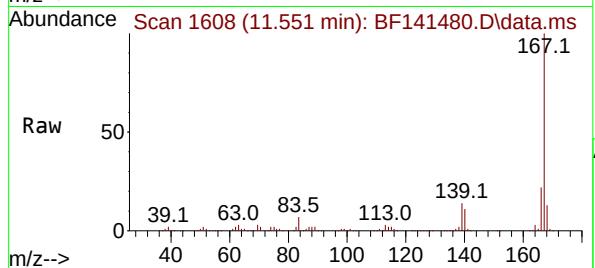
Tgt Ion:178 Resp: 753295
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.3 12.4 18.6





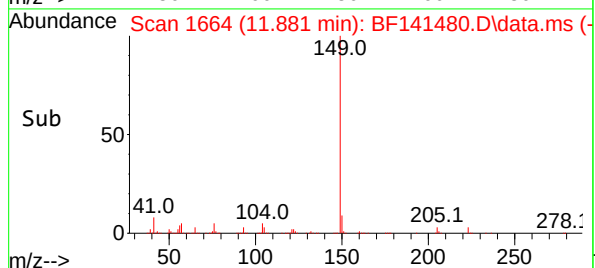
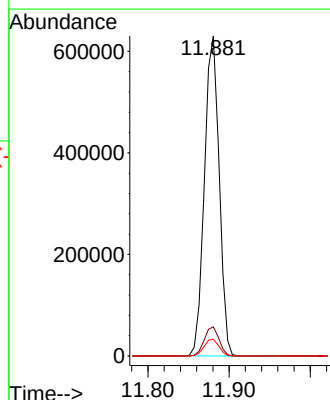
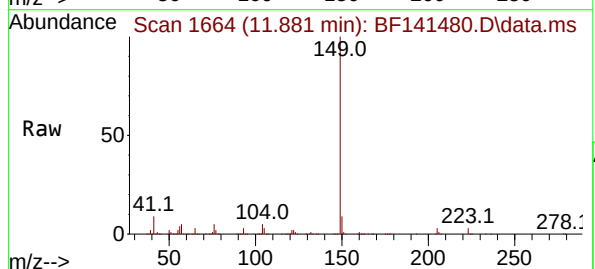
#73
Carbazole
Concen: 40.267 ng
RT: 11.551 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

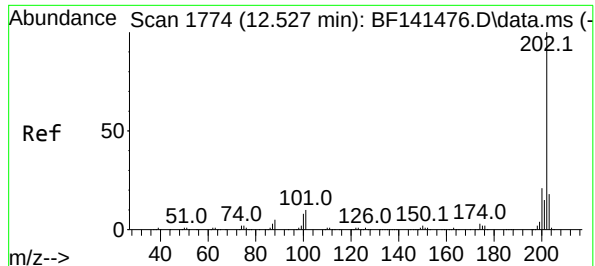
Tgt Ion:167 Resp: 676218
Ion Ratio Lower Upper
167 100
166 21.6 17.4 26.2
139 13.6 10.9 16.3



#74
Di-n-butylphthalate
Concen: 40.953 ng
RT: 11.881 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

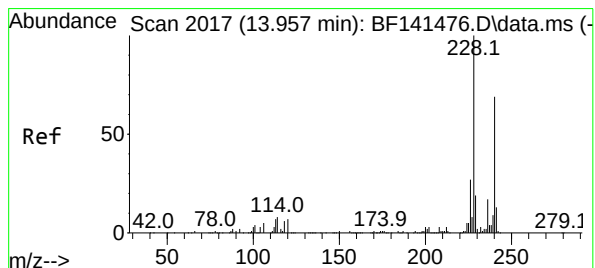
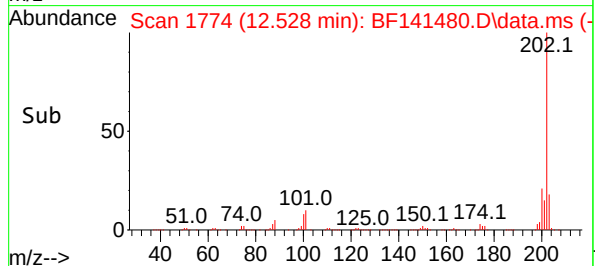
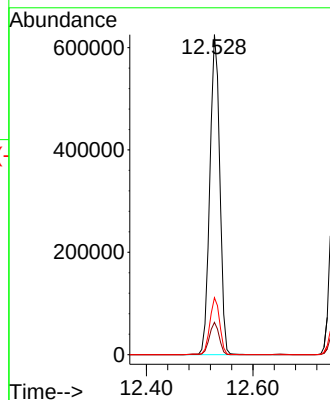
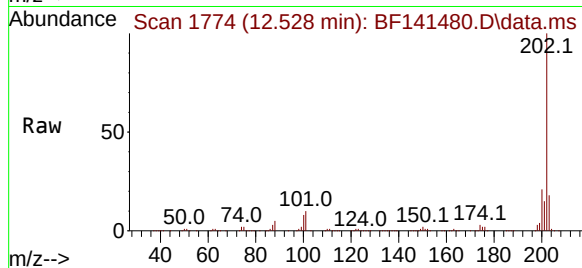
Tgt Ion:149 Resp: 794101
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 5.2 4.2 6.2





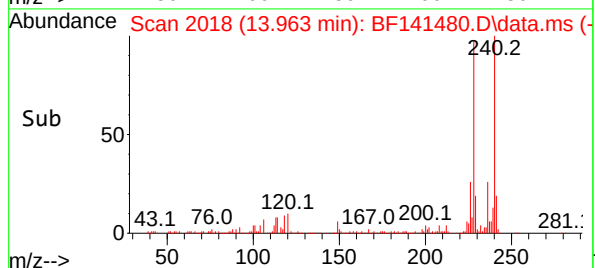
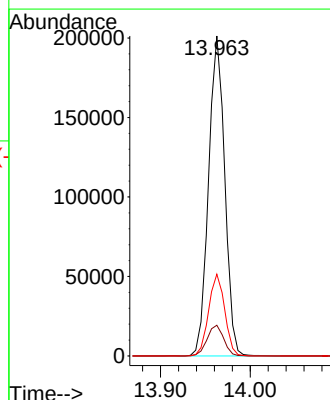
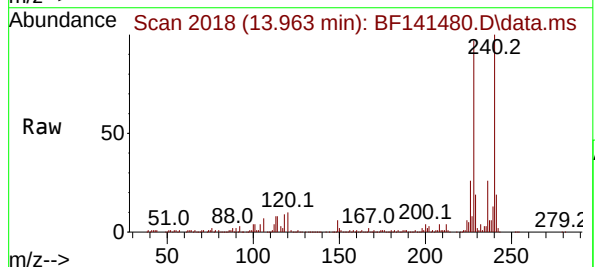
#75
Fluoranthene
Concen: 41.011 ng
RT: 12.528 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

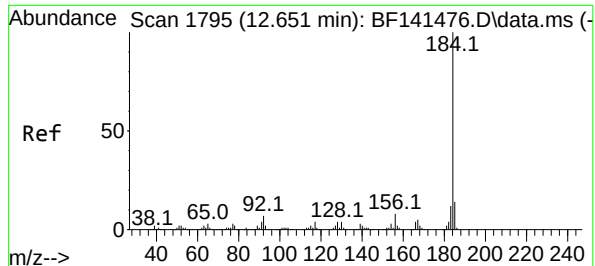
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.2
203	17.8	0.0	37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

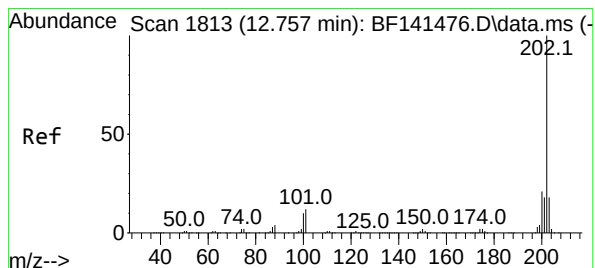
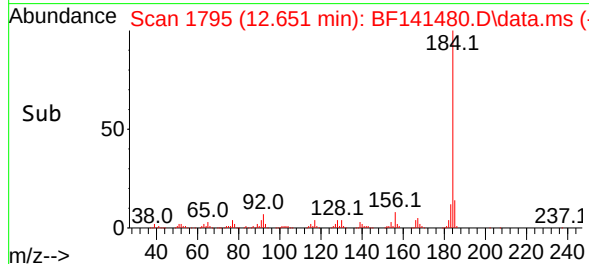
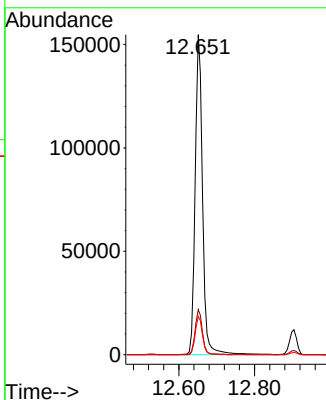
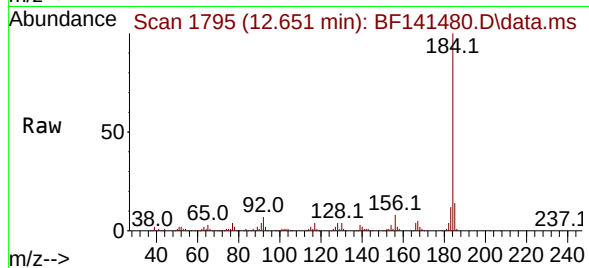
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.6	19.8	29.8





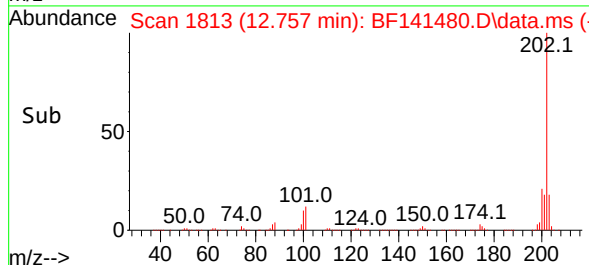
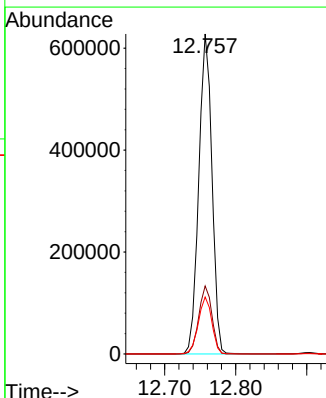
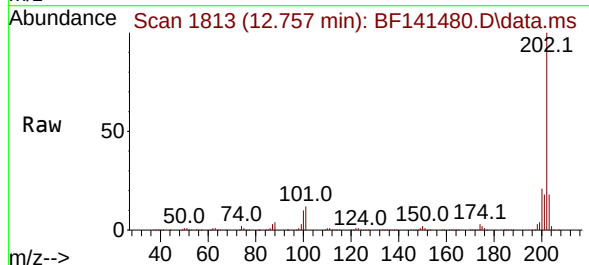
#77
Benzidine
Concen: 38.017 ng
RT: 12.651 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

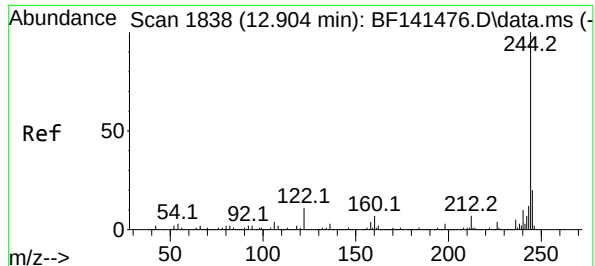
Tgt Ion:184 Resp: 211734
Ion Ratio Lower Upper
184 100
185 14.1 11.3 16.9
183 12.0 9.3 13.9



#78
Pyrene
Concen: 37.784 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:202 Resp: 812250
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 75.750 ng

RT: 12.904 min Scan# 1838

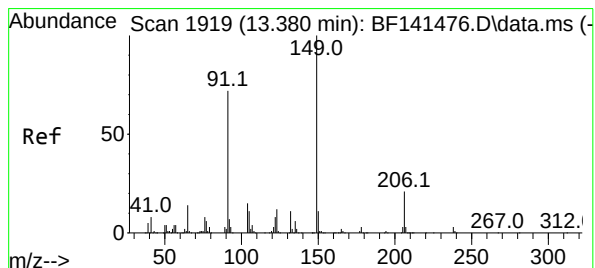
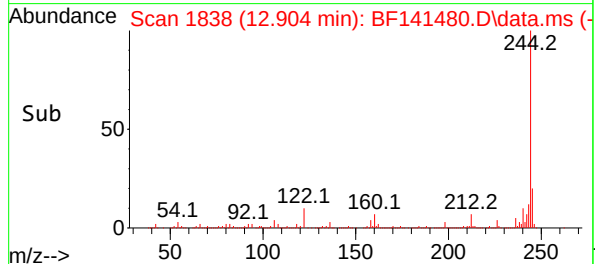
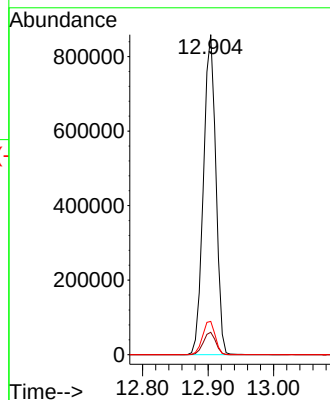
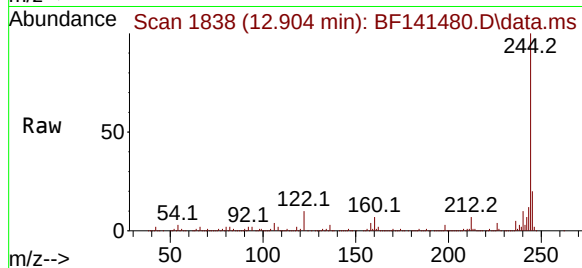
Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:244 Resp: 1133126

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.4	8.4	12.6



#80

Butylbenzylphthalate

Concen: 41.781 ng

RT: 13.380 min Scan# 1919

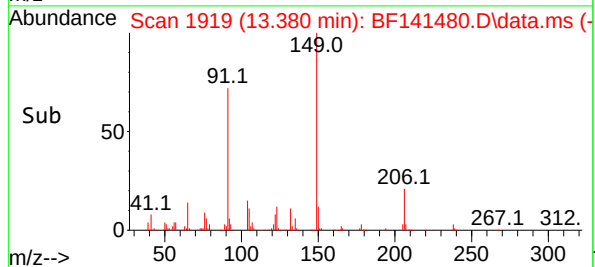
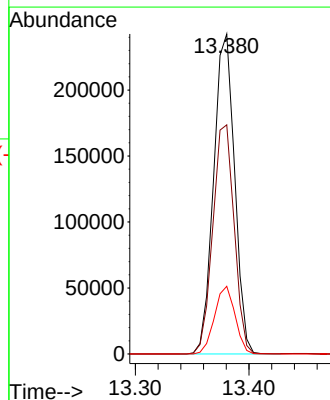
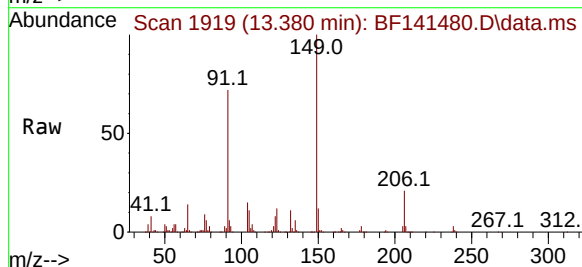
Delta R.T. 0.000 min

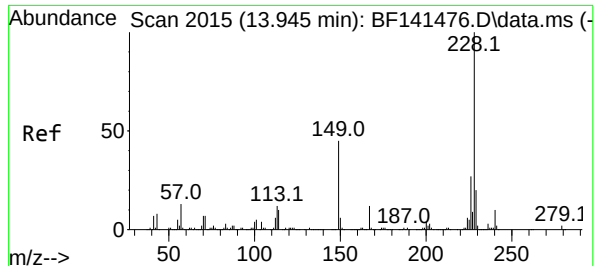
Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:149 Resp: 311103

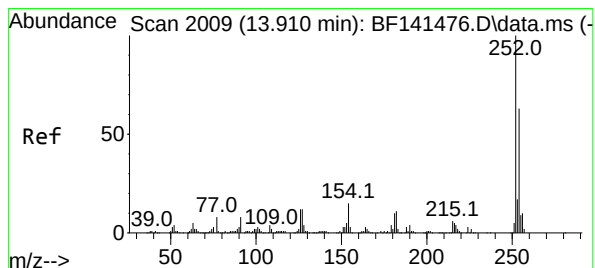
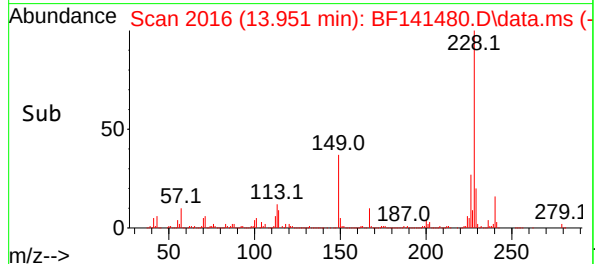
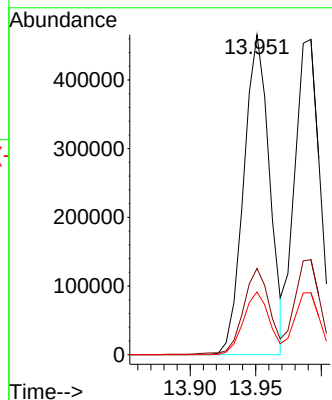
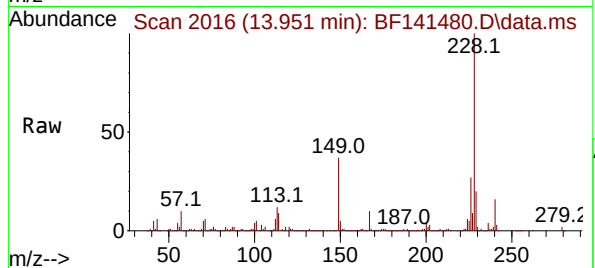
Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.8	86.8
206	21.2	16.7	25.1





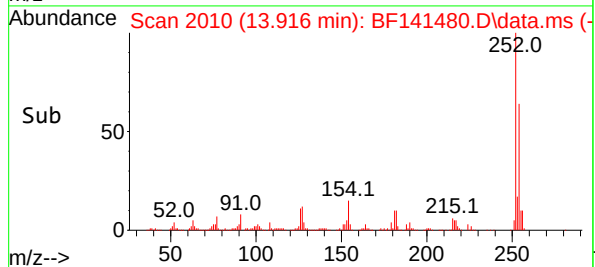
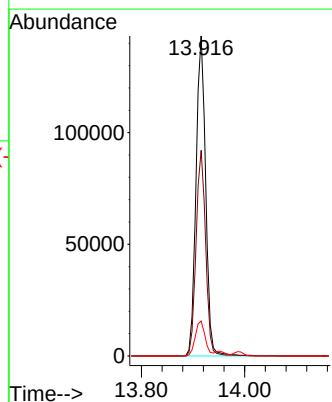
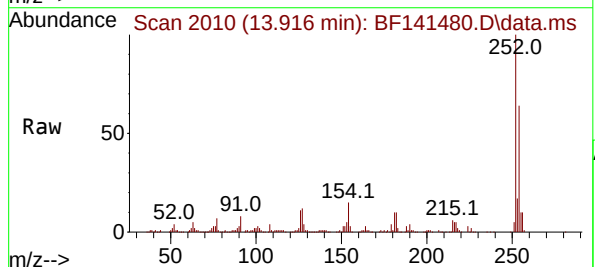
#81
Benzo(a)anthracene
Concen: 38.009 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

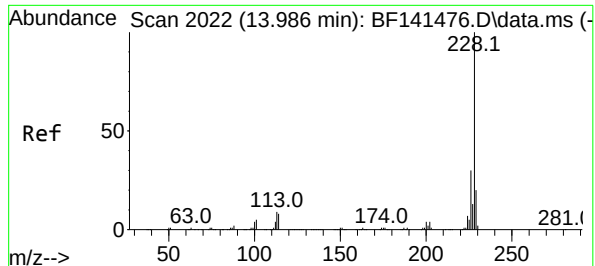
Tgt Ion:228 Resp: 638036
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.6 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 38.608 ng
RT: 13.916 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:252 Resp: 185650
Ion Ratio Lower Upper
252 100
254 64.3 50.6 76.0
126 10.9 9.3 13.9





#83

Chrysene

Concen: 39.361 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

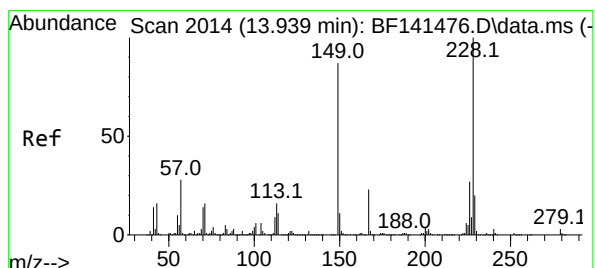
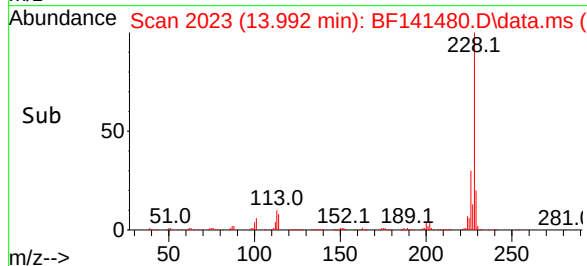
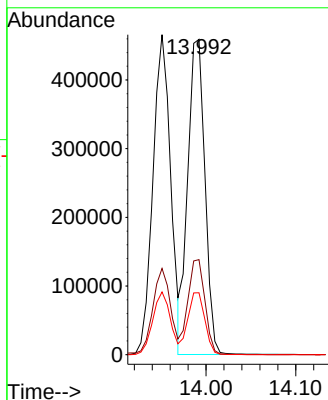
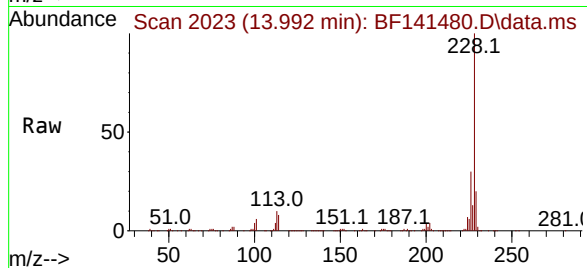
Tgt Ion:228 Resp: 610091

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.229 ng

RT: 13.945 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

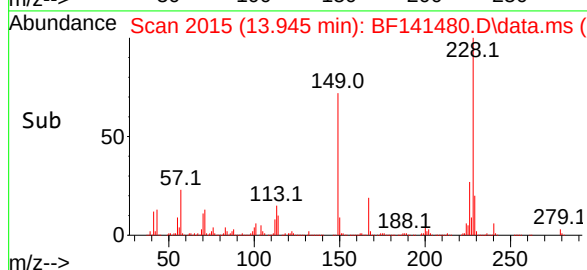
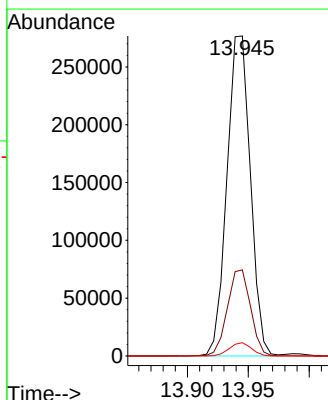
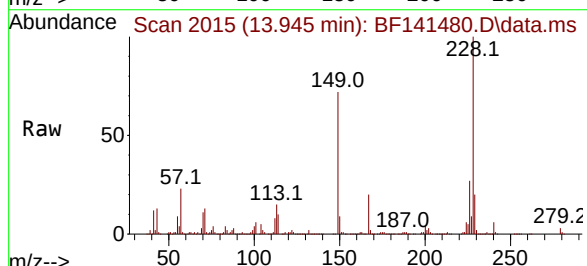
Tgt Ion:149 Resp: 371434

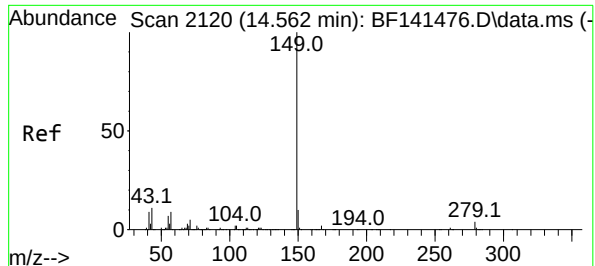
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

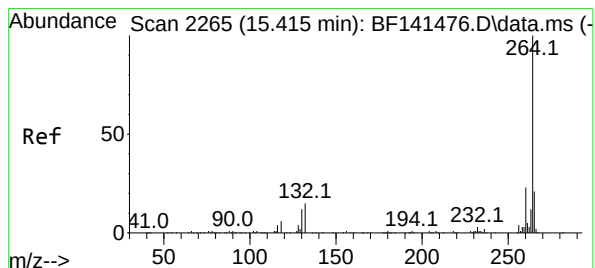
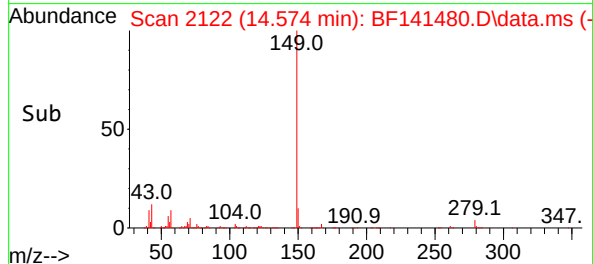
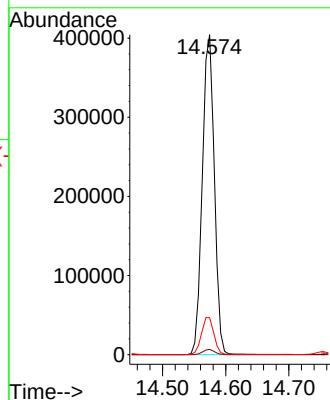
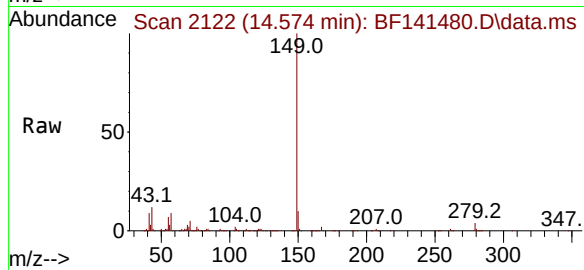
279 4.1 3.1 4.7





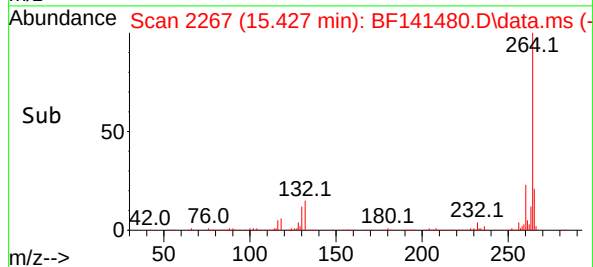
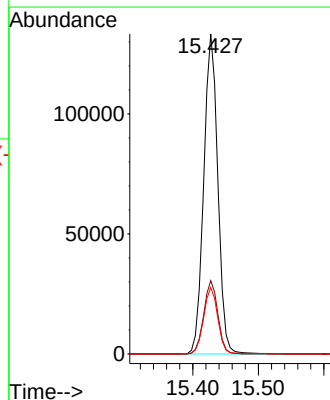
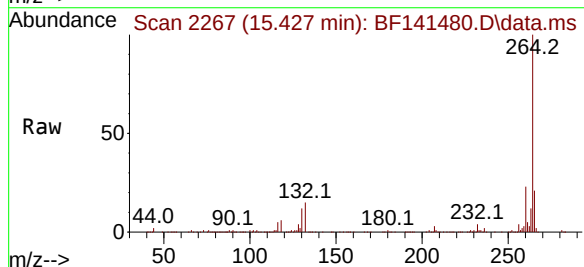
#85
Di-n-octyl phthalate
Concen: 44.652 ng
RT: 14.574 min Scan# 2122
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

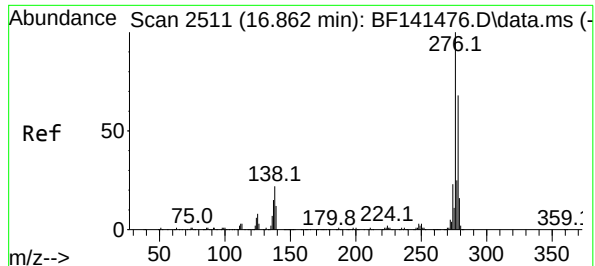
Tgt Ion:149 Resp: 534947
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.5 14.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:264 Resp: 199389
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 20.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.551 ng

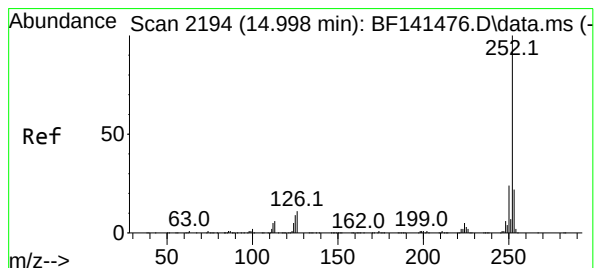
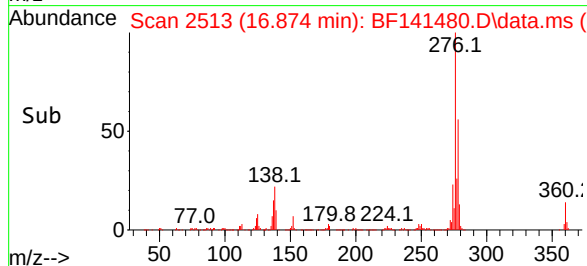
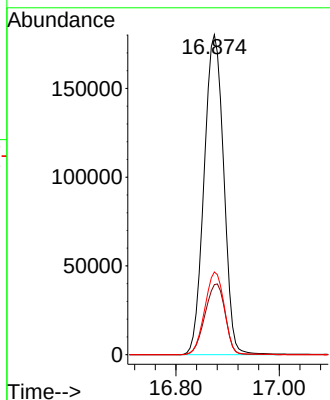
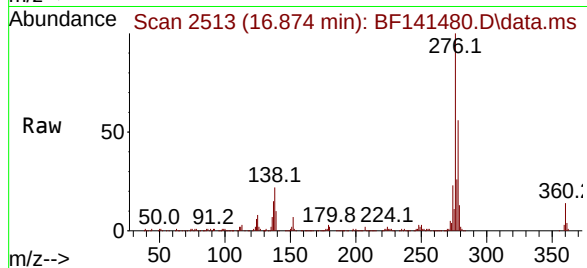
RT: 16.874 min Scan# 2513

Delta R.T. 0.000 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

Tgt Ion:	276	Resp:	474949
Ion Ratio	Lower	Upper	
276	100		
138	22.8	18.0	27.0
277	25.8	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 39.352 ng

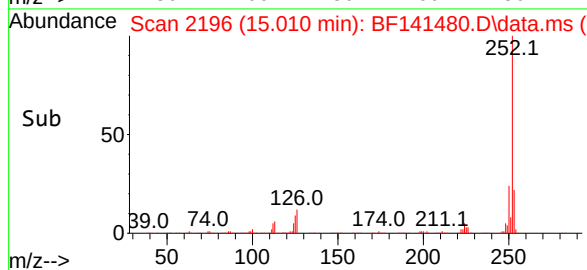
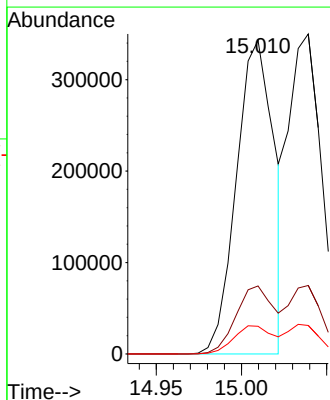
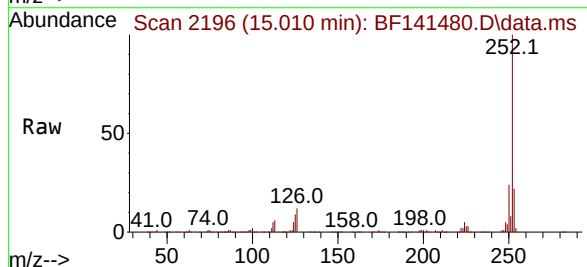
RT: 15.010 min Scan# 2196

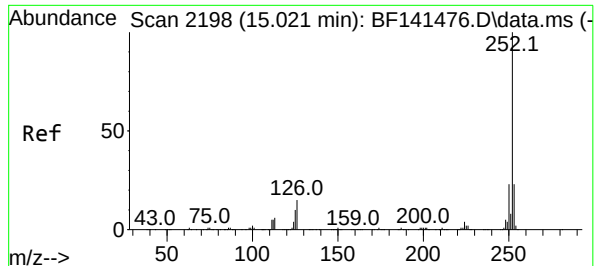
Delta R.T. 0.006 min

Lab File: BF141480.D

Acq: 06 Feb 2025 15:03

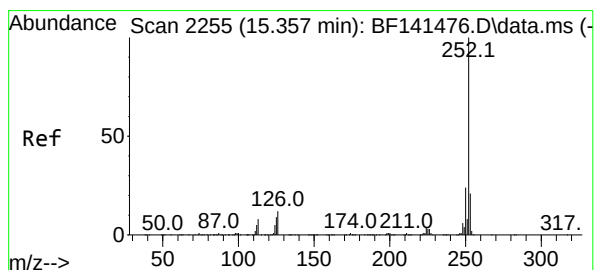
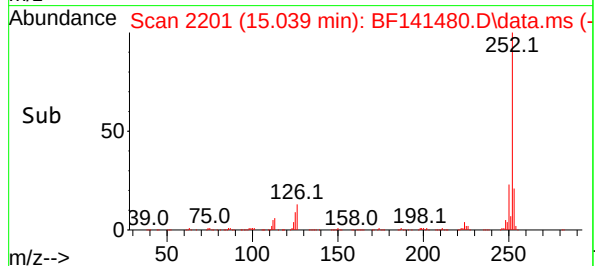
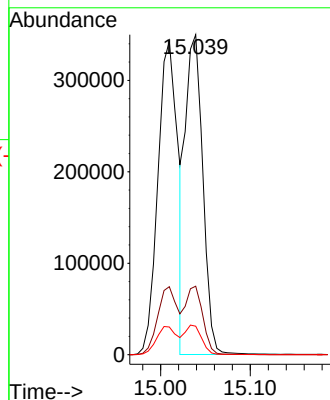
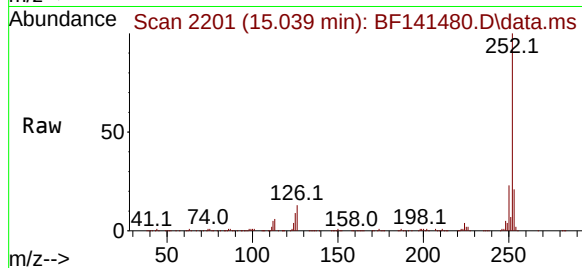
Tgt Ion:	252	Resp:	526847
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.5	26.3
125	8.8	7.0	10.6





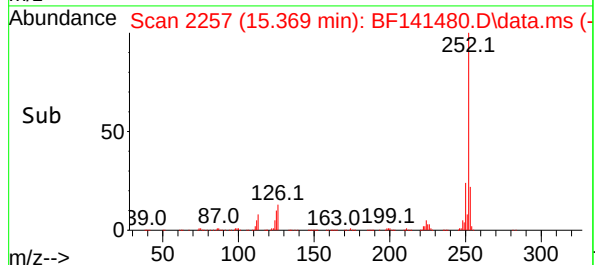
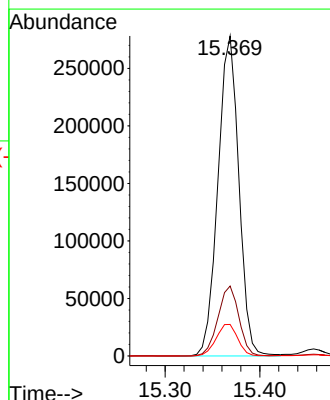
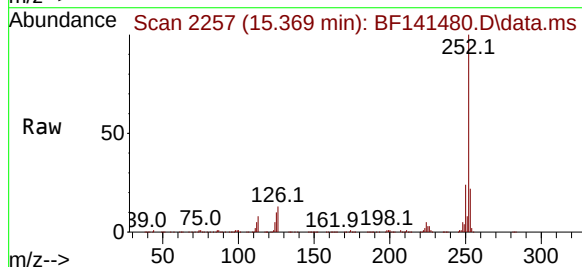
#89
Benzo(k)fluoranthene
Concen: 41.182 ng
RT: 15.039 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

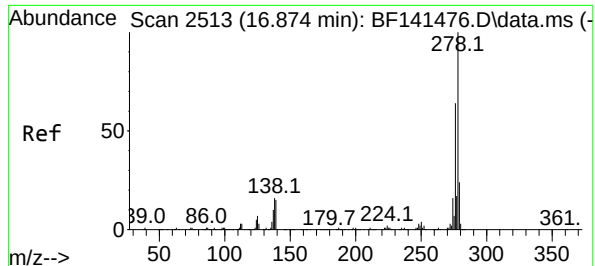
Tgt Ion:252 Resp: 470794
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 8.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 39.459 ng
RT: 15.369 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

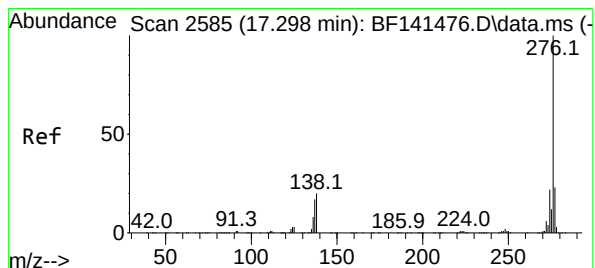
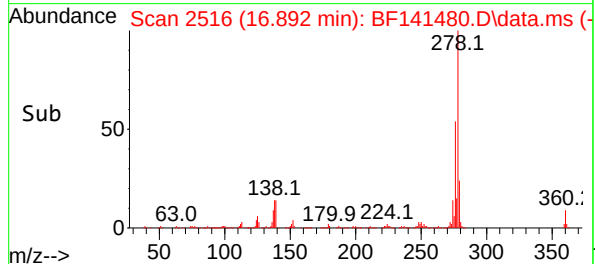
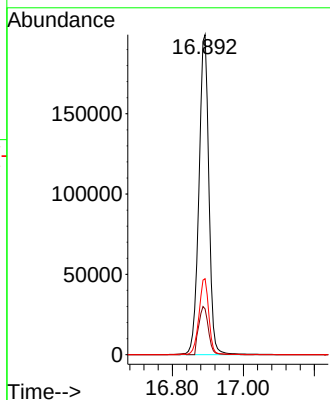
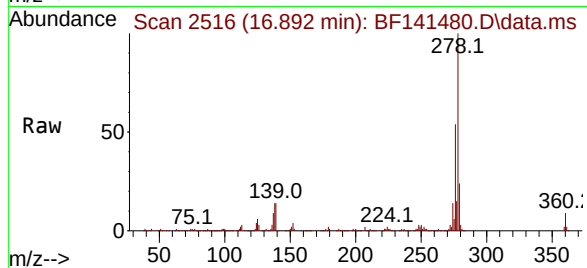
Tgt Ion:252 Resp: 427462
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 9.9 7.4 11.2





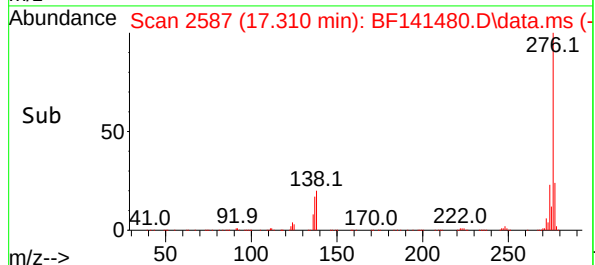
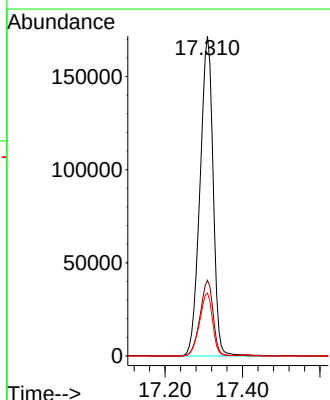
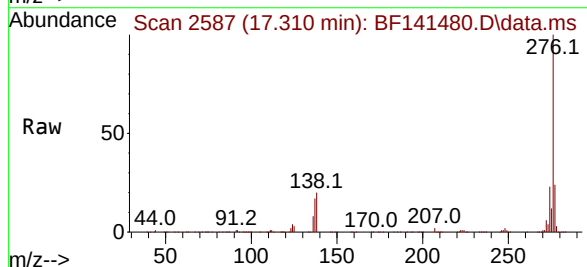
#91
Dibenzo(a,h)anthracene
Concen: 38.870 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:278 Resp: 388028
Ion Ratio Lower Upper
278 100
139 14.3 11.8 17.6
279 23.7 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 38.536 ng
RT: 17.310 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141480.D
Acq: 06 Feb 2025 15:03

Tgt Ion:276 Resp: 402566
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 19.7 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2	1,4-Dioxane	0.513	0.518	-1.0	101	0.00
3	Pyridine	1.222	1.281	-4.8	102	-0.01
4	n-Nitrosodimethylamine	0.809	0.842	-4.1	104	-0.03
5 S	2-Fluorophenol	1.276	1.306	-2.4	102	0.00
6	Aniline	1.513	1.582	-4.6	104	-0.01
7 S	Phenol-d6	1.612	1.630	-1.1	102	-0.01
8	2-Chlorophenol	1.378	1.397	-1.4	102	-0.01
9	Benzaldehyde	0.857	0.859	-0.2	106	0.00
10 C	Phenol	1.678	1.704	-1.5	102	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.256	0.4	100	0.00
12	1,3-Dichlorobenzene	1.455	1.467	-0.8	103	0.00
13 C	1,4-Dichlorobenzene	1.487	1.484	0.2	102	0.00
14	1,2-Dichlorobenzene	1.380	1.392	-0.9	102	0.00
15	Benzyl Alcohol	1.236	1.269	-2.7	102	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.187	-1.3	102	0.00
17	2-Methylphenol	1.079	1.099	-1.9	103	0.00
18	Hexachloroethane	0.550	0.565	-2.7	103	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.966	-0.2	101	-0.01
20	3+4-Methylphenols	1.371	1.373	-0.1	101	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.498	0.488	2.0	102	-0.01
23 S	Nitrobenzene-d5	0.383	0.376	1.8	101	0.00
24	Nitrobenzene	0.374	0.369	1.3	102	0.00
25	Isophorone	0.611	0.608	0.5	103	-0.01
26 C	2-Nitrophenol	0.186	0.188	-1.1	101	0.00
27	2,4-Dimethylphenol	0.217	0.217	0.0	100	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.390	0.5	102	0.00
29 C	2,4-Dichlorophenol	0.294	0.292	0.7	102	0.00
30	1,2,4-Trichlorobenzene	0.320	0.314	1.9	102	0.00
31	Naphthalene	1.041	1.023	1.7	102	0.00
32	Benzoic acid	0.226	0.228	-0.9	102	-0.04
33	4-Chloroaniline	0.363	0.370	-1.9	105	-0.01
34 C	Hexachlorobutadiene	0.192	0.193	-0.5	103	0.00
35	Caprolactam	0.089	0.092	-3.4	102	-0.03
36 C	4-Chloro-3-methylphenol	0.325	0.325	0.0	102	0.00
37	2-Methylnaphthalene	0.677	0.656	3.1	101	0.00
38	1-Methylnaphthalene	0.656	0.641	2.3	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.581	-0.3	102	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.186	3.1	94	0.00
42 S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	0.00
43 C	2,4,6-Trichlorophenol	0.374	0.373	0.3	101	0.00
44	2,4,5-Trichlorophenol	0.405	0.406	-0.2	101	0.00
45 S	2-Fluorobiphenyl	1.298	1.278	1.5	103	0.00
46	1,1'-Biphenyl	1.551	1.532	1.2	102	0.00
47	2-Chloronaphthalene	1.147	1.131	1.4	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 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	0.385	0.389	-1.0	102	0.00
49	Acenaphthylene	1.705	1.694	0.6	102	0.00
50	Dimethylphthalate	1.358	1.340	1.3	102	-0.01
51	2,6-Dinitrotoluene	0.297	0.297	0.0	101	0.00
52 C	Acenaphthene	1.147	1.143	0.3	102	0.00
53	3-Nitroaniline	0.319	0.323	-1.3	104	0.00
54 P	2,4-Dinitrophenol	0.176	0.188	-6.8	109	-0.01
55	Dibenzofuran	1.683	1.677	0.4	103	0.00
56 P	4-Nitrophenol	0.237	0.250	-5.5	103	-0.01
57	2,4-Dinitrotoluene	0.395	0.401	-1.5	103	0.00
58	Fluorene	1.301	1.285	1.2	102	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.353	-1.1	104	0.00
60	Diethylphthalate	1.336	1.318	1.3	101	0.00
61	4-Chlorophenyl-phenylether	0.626	0.615	1.8	101	0.00
62	4-Nitroaniline	0.324	0.333	-2.8	102	-0.02
63	Azobenzene	1.328	1.320	0.6	102	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.147	-5.8	104	-0.01
66 c	n-Nitrosodiphenylamine	0.640	0.641	-0.2	102	0.00
67	4-Bromophenyl-phenylether	0.224	0.228	-1.8	104	0.00
68	Hexachlorobenzene	0.230	0.231	-0.4	102	0.00
69	Atrazine	0.192	0.189	1.6	102	0.00
70 C	Pentachlorophenol	0.147	0.156	-6.1	102	0.00
71	Phenanthrene	1.101	1.104	-0.3	102	0.00
72	Anthracene	1.107	1.117	-0.9	103	0.00
73	Carbazole	0.996	1.002	-0.6	102	0.00
74	Di-n-butylphthalate	1.150	1.177	-2.3	103	0.00
75 C	Fluoranthene	1.167	1.197	-2.6	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77	Benzidine	0.441	0.419	5.0	89	0.00
78	Pyrene	1.703	1.608	5.6	103	0.00
79 S	Terphenyl-d14	1.185	1.122	5.3	105	0.00
80	Butylbenzylphthalate	0.590	0.616	-4.4	113	0.00
81	Benzo(a)anthracene	1.329	1.263	5.0	105	0.00
82	3,3'-Dichlorobenzidine	0.381	0.368	3.4	109	0.00
83	Chrysene	1.228	1.208	1.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	0.665	0.735	-10.5	120	0.00
85 c	Di-n-octyl phthalate	0.949	1.059	-11.6	123	0.01
86 I	Perylene-d12	1.000	1.000	0.0	109	0.01
87	Indeno(1,2,3-cd)pyrene	1.236	1.191	3.6	101	0.00
88	Benzo(b)fluoranthene	1.343	1.321	1.6	108	0.00
89	Benzo(k)fluoranthene	1.147	1.181	-3.0	113	0.00
90 C	Benzo(a)pyrene	1.087	1.072	1.4	108	0.00
91	Dibenzo(a,h)anthracene	1.001	0.973	2.8	101	0.00
92	Benzo(g,h,i)perylene	1.048	1.009	3.7	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 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\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 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	101	0.00
2	1,4-Dioxane	40.000	40.369	-0.9	101	0.00
3	Pyridine	40.000	41.938	-4.8	102	-0.01
4	n-Nitrosodimethylamine	40.000	41.653	-4.1	104	-0.03
5 S	2-Fluorophenol	80.000	81.894	-2.4	102	0.00
6	Aniline	40.000	41.834	-4.6	104	-0.01
7 S	Phenol-d6	80.000	80.878	-1.1	102	-0.01
8	2-Chlorophenol	40.000	40.527	-1.3	102	-0.01
9	Benzaldehyde	40.000	40.105	-0.3	106	0.00
10 C	Phenol	40.000	40.615	-1.5	102	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.866	0.3	100	0.00
12	1,3-Dichlorobenzene	40.000	40.317	-0.8	103	0.00
13 C	1,4-Dichlorobenzene	40.000	39.911	0.2	102	0.00
14	1,2-Dichlorobenzene	40.000	40.354	-0.9	102	0.00
15	Benzyl Alcohol	40.000	41.041	-2.6	102	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.535	-1.3	102	0.00
17	2-Methylphenol	40.000	40.768	-1.9	103	0.00
18	Hexachloroethane	40.000	41.061	-2.7	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.048	-0.1	101	-0.01
20	3+4-Methylphenols	40.000	40.073	-0.2	101	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	39.246	1.9	102	-0.01
23 S	Nitrobenzene-d5	80.000	78.369	2.0	101	0.00
24	Nitrobenzene	40.000	39.429	1.4	102	0.00
25	Isophorone	40.000	39.767	0.6	103	-0.01
26 C	2-Nitrophenol	40.000	40.413	-1.0	101	0.00
27	2,4-Dimethylphenol	40.000	39.924	0.2	100	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.822	0.4	102	0.00
29 C	2,4-Dichlorophenol	40.000	39.818	0.5	102	0.00
30	1,2,4-Trichlorobenzene	40.000	39.237	1.9	102	0.00
31	Naphthalene	40.000	39.287	1.8	102	0.00
32	Benzoic acid	40.000	40.324	-0.8	102	-0.04
33	4-Chloroaniline	40.000	40.680	-1.7	105	-0.01
34 C	Hexachlorobutadiene	40.000	40.144	-0.4	103	0.00
35	Caprolactam	40.000	41.104	-2.8	102	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.006	-0.0	102	0.00
37	2-Methylnaphthalene	40.000	38.710	3.2	101	0.00
38	1-Methylnaphthalene	40.000	39.049	2.4	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.182	-0.5	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.754	3.1	94	0.00
42 S	2,4,6-Tribromophenol	80.000	79.490	0.6	102	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.914	0.2	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.108	-0.3	101	0.00
45 S	2-Fluorobiphenyl	80.000	78.786	1.5	103	0.00
46	1,1'-Biphenyl	40.000	39.519	1.2	102	0.00
47	2-Chloronaphthalene	40.000	39.453	1.4	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141480.D
 Acq On : 06 Feb 2025 15:03
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 15:49:10 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.451	-1.1	102	0.00
49	Acenaphthylene	40.000	39.734	0.7	102	0.00
50	Dimethylphthalate	40.000	39.488	1.3	102	-0.01
51	2,6-Dinitrotoluene	40.000	39.965	0.1	101	0.00
52 C	Acenaphthene	40.000	39.893	0.3	102	0.00
53	3-Nitroaniline	40.000	40.463	-1.2	104	0.00
54 P	2,4-Dinitrophenol	40.000	42.639	-6.6	109	-0.01
55	Dibenzofuran	40.000	39.860	0.4	103	0.00
56 P	4-Nitrophenol	40.000	42.166	-5.4	103	-0.01
57	2,4-Dinitrotoluene	40.000	40.633	-1.6	103	0.00
58	Fluorene	40.000	39.501	1.2	102	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.438	-1.1	104	0.00
60	Diethylphthalate	40.000	39.467	1.3	101	0.00
61	4-Chlorophenyl-phenylether	40.000	39.318	1.7	101	0.00
62	4-Nitroaniline	40.000	41.124	-2.8	102	-0.02
63	Azobenzene	40.000	39.759	0.6	102	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.230	-5.6	104	-0.01
66 c	n-Nitrosodiphenylamine	40.000	40.040	-0.1	102	0.00
67	4-Bromophenyl-phenylether	40.000	40.864	-2.2	104	0.00
68	Hexachlorobenzene	40.000	40.208	-0.5	102	0.00
69	Atrazine	40.000	39.358	1.6	102	0.00
70 C	Pentachlorophenol	40.000	42.476	-6.2	102	0.00
71	Phenanthrene	40.000	40.114	-0.3	102	0.00
72	Anthracene	40.000	40.362	-0.9	103	0.00
73	Carbazole	40.000	40.267	-0.7	102	0.00
74	Di-n-butylphthalate	40.000	40.953	-2.4	103	0.00
75 C	Fluoranthene	40.000	41.011	-2.5	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77	Benzydine	40.000	38.017	5.0	89	0.00
78	Pyrene	40.000	37.784	5.5	103	0.00
79 S	Terphenyl-d14	80.000	75.750	5.3	105	0.00
80	Butylbenzylphthalate	40.000	41.781	-4.5	113	0.00
81	Benzo(a)anthracene	40.000	38.009	5.0	105	0.00
82	3,3'-Dichlorobenzidine	40.000	38.608	3.5	109	0.00
83	Chrysene	40.000	39.361	1.6	113	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.229	-10.6	120	0.00
85 c	Di-n-octyl phthalate	40.000	44.652	-11.6	123	0.01
86 I	Perylene-d12	20.000	20.000	0.0	109	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.551	3.6	101	0.00
88	Benzo(b)fluoranthene	40.000	39.352	1.6	108	0.00
89	Benzo(k)fluoranthene	40.000	41.182	-3.0	113	0.00
90 C	Benzo(a)pyrene	40.000	39.459	1.4	108	0.00
91	Dibenzo(a,h)anthracene	40.000	38.870	2.8	101	0.00
92	Benzo(g,h,i)perylene	40.000	38.536	3.7	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141480.D
Acq On : 06 Feb 2025 15:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 06 16:01:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 15:49:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo (a) anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo (b) fluoranthene	1.258	1.168		-7.2	
Benzo (k) fluoranthene	1.114	1.042		-6.5	
Benzo (a) pyrene	1.063	0.991		-6.8	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.238		-4.1	
Dibenzo (a,h) anthracene	1.039	0.999		-3.8	
Benzo (g,h,i) perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140033	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	558386	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	299701	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	493954	20.000	ng	0.00
76) Chrysene-d12	13.968	240	281629	20.000	ng	0.00
86) Perylene-d12	15.433	264	286623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	682309	74.803	ng	-0.01
7) Phenol-d6	6.428	99	859443	74.066	ng	-0.01
23) Nitrobenzene-d5	7.363	82	776494	73.308	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	211897	77.122	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376427	70.690	ng	0.00
79) Terphenyl-d14	12.910	244	1325492	72.583	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.487	88	152703	38.066	ng	99
3) Pyridine	3.210	79	371435	38.429	ng	100
4) n-Nitrosodimethylamine	3.163	42	210093	38.050	ng	100
6) Aniline	6.457	93	376476	38.328	ng	93
8) 2-Chlorophenol	6.581	128	365957	37.432	ng	99
9) Benzaldehyde	6.345	77	272105	40.484	ng	99
10) Phenol	6.440	94	462764	37.622	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	354960	37.636	ng	99
12) 1,3-Dichlorobenzene	6.740	146	403414	37.423	ng	99
13) 1,4-Dichlorobenzene	6.816	146	402314	37.151	ng	100
14) 1,2-Dichlorobenzene	6.969	146	377953	37.272	ng	99
15) Benzyl Alcohol	6.939	79	308313	38.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	615868	37.552	ng	100
17) 2-Methylphenol	7.051	107	297446	37.434	ng	98
18) Hexachloroethane	7.310	117	150153	37.585	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	264932	38.424	ng	96
20) 3+4-Methylphenols	7.204	107	369223	37.845	ng	99
22) Acetophenone	7.210	105	473548	35.678	ng	100
24) Nitrobenzene	7.381	77	407415	37.116	ng	100
25) Isophorone	7.622	82	694555	37.934	ng	99
26) 2-Nitrophenol	7.698	139	195489	37.762	ng	99
27) 2,4-Dimethylphenol	7.734	122	250385	37.999	ng	98
28) bis(2-Chloroethoxy)met...	7.834	93	431598	36.955	ng	100
29) 2,4-Dichlorophenol	7.939	162	303375	37.608	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	333619	36.214	ng	100
31) Naphthalene	8.104	128	1078465	36.561	ng	100
32) Benzoic acid	7.845	122	252577	41.698	ng	99
33) 4-Chloroaniline	8.151	127	367291	36.719	ng	99
34) Hexachlorobutadiene	8.222	225	200005	37.021	ng	100
35) Caprolactam	8.522	113	101967	38.705	ng	99
36) 4-Chloro-3-methylphenol	8.633	107	380639	43.991	ng	98
37) 2-Methylnaphthalene	8.792	142	690288	36.818	ng	98
38) 1-Methylnaphthalene	8.892	142	675547	36.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	308854	36.224	ng	99
41) Hexachlorocyclopentadiene	8.945	237	95556	37.949	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	218757	39.199	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

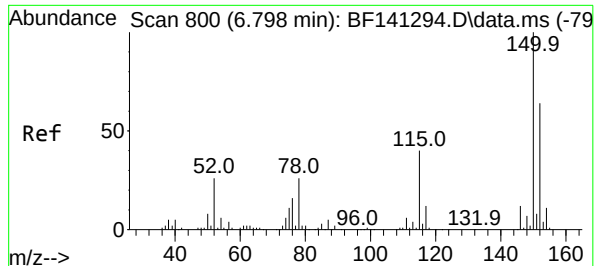
Quant Time: Jan 31 17:43:26 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	228427	37.608	ng	100
46) 1,1'-Biphenyl	9.257	154	855111	36.585	ng	100
47) 2-Chloronaphthalene	9.281	162	660426	36.251	ng	100
48) 2-Nitroaniline	9.381	65	219643	38.330	ng	100
49) Acenaphthylene	9.698	152	945423	37.073	ng	100
50) Dimethylphthalate	9.563	163	773243	38.200	ng	100
51) 2,6-Dinitrotoluene	9.622	165	179857	38.268	ng	99
52) Acenaphthene	9.869	154	675302	37.066	ng	99
53) 3-Nitroaniline	9.792	138	174746	37.936	ng	98
54) 2,4-Dinitrophenol	9.898	184	90166	41.270	ng	99
55) Dibenzofuran	10.045	168	887550	36.395	ng	100
56) 4-Nitrophenol	9.951	139	179822	53.378	ng	99
57) 2,4-Dinitrotoluene	10.028	165	255655	42.014	ng	99
58) Fluorene	10.386	166	690153	36.485	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	185895	38.903	ng	100
60) Diethylphthalate	10.263	149	748552	38.140	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	336871	36.458	ng	99
62) 4-Nitroaniline	10.404	138	172379	38.063	ng	98
63) Azobenzene	10.539	77	738145	37.573	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	129346	44.270	ng	99
66) n-Nitrosodiphenylamine	10.498	169	619094	38.751	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	216973	39.236	ng	97
68) Hexachlorobenzene	10.933	284	228716	38.991	ng	98
69) Atrazine	11.027	200	181536	33.985	ng	98
70) Pentachlorophenol	11.127	266	184030	53.575	ng	98
71) Phenanthrene	11.351	178	1004184	37.819	ng	100
72) Anthracene	11.398	178	987277	37.948	ng	99
73) Carbazole	11.557	167	881695	38.220	ng	100
74) Di-n-butylphthalate	11.892	149	1102750	39.444	ng	100
75) Fluoranthene	12.539	202	998810	38.098	ng	100
77) Benzidine	12.663	184	349084	38.664	ng	100
78) Pyrene	12.769	202	1097741	40.606	ng	100
80) Butylbenzylphthalate	13.392	149	369304	39.103	ng	99
81) Benzo(a)anthracene	13.957	228	665086	34.223	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	223750	36.200	ng	100
83) Chrysene	13.992	228	664102	37.287	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	458911	38.304	ng	99
85) Di-n-octyl phthalate	14.580	149	723593	38.886	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	709942	38.376	ng	100
88) Benzo(b)fluoranthene	15.015	252	669775	37.149	ng	100
89) Benzo(k)fluoranthene	15.039	252	597549	37.413	ng	99
90) Benzo(a)pyrene	15.374	252	568194	37.294	ng	100
91) Dibenzo(a,h)anthracene	16.904	278	572387	38.458	ng	100
92) Benzo(g,h,i)perylene	17.321	276	601743	38.883	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

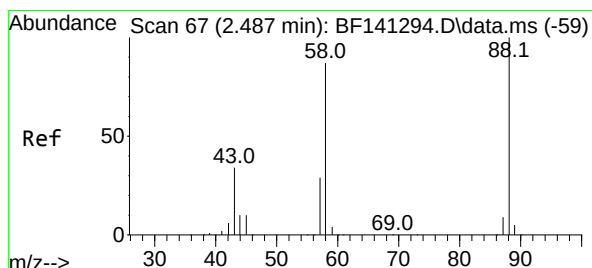
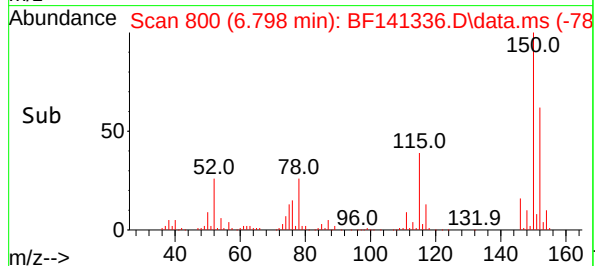
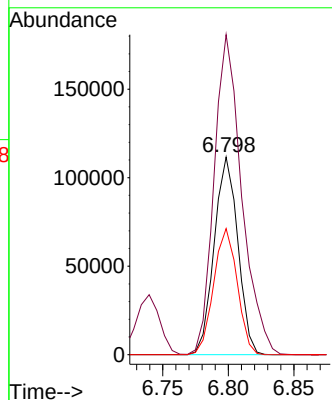
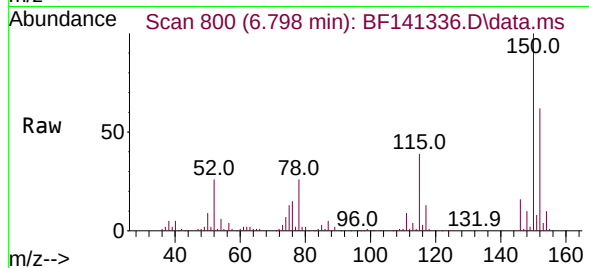
[illegible]



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

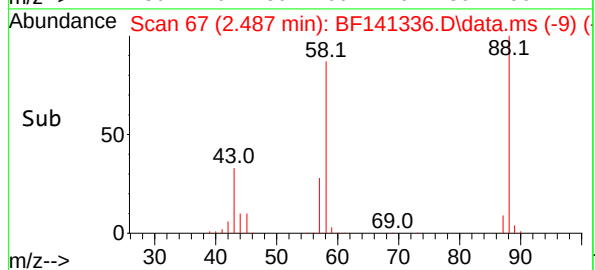
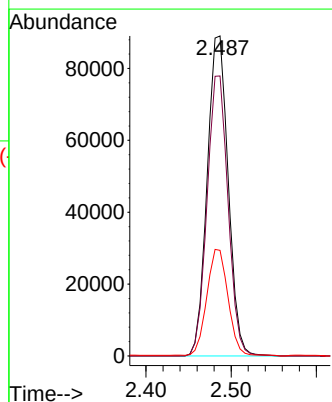
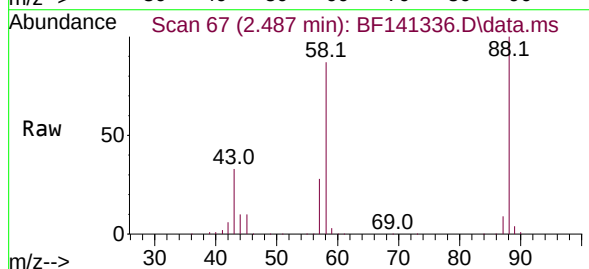
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

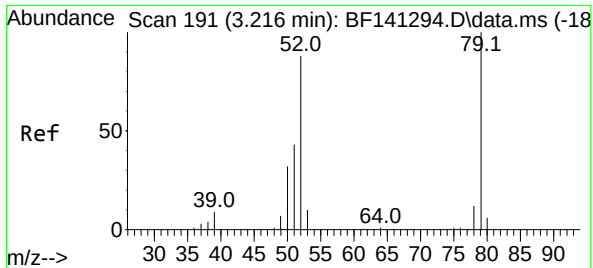
Tgt Ion:152 Resp: 140033
Ion Ratio Lower Upper
152 100
150 161.9 125.9 188.9
115 63.8 49.7 74.5



#2
1,4-Dioxane
Concen: 38.066 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 88 Resp: 152703
Ion Ratio Lower Upper
88 100
58 87.4 70.2 105.4
43 33.9 27.6 41.4

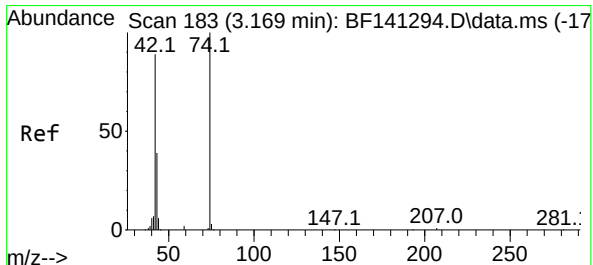
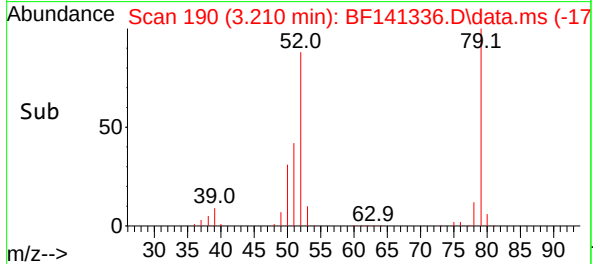
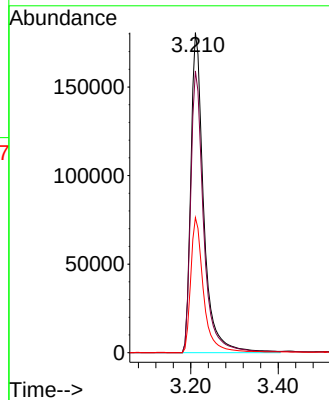
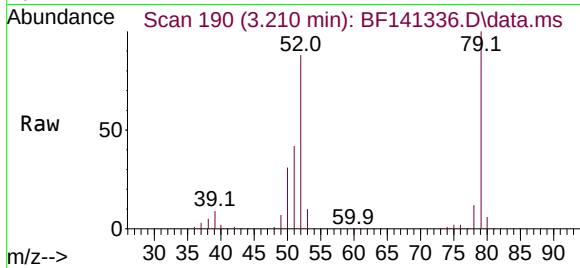




#3
Pyridine
Concen: 38.429 ng
RT: 3.210 min Scan# 191
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

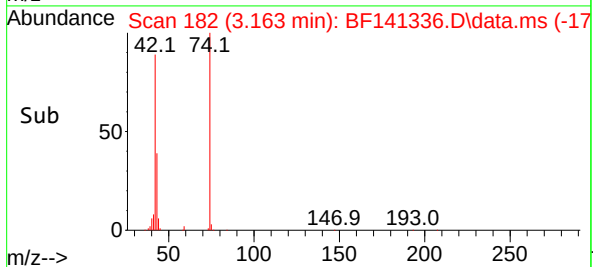
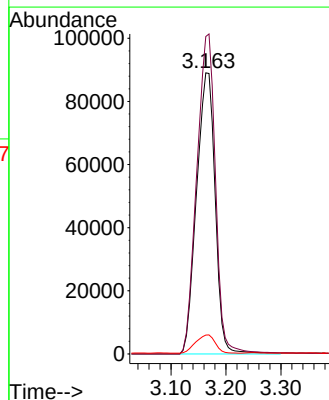
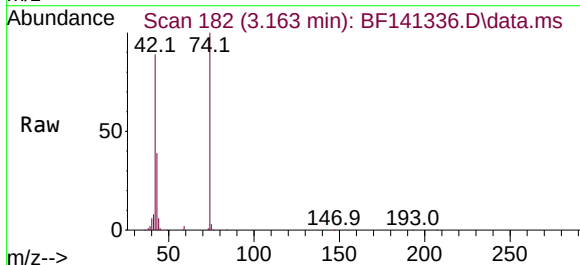
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

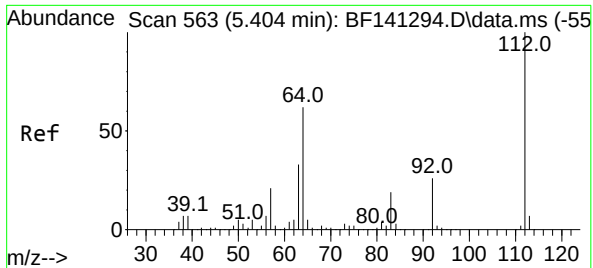
Tgt Ion: 79 Resp: 371435
Ion Ratio Lower Upper
79 100
52 88.0 70.3 105.5
51 42.2 34.3 51.5



#4
n-Nitrosodimethylamine
Concen: 38.050 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 42 Resp: 210093
Ion Ratio Lower Upper
42 100
74 112.9 90.3 135.5
44 6.7 5.7 8.5

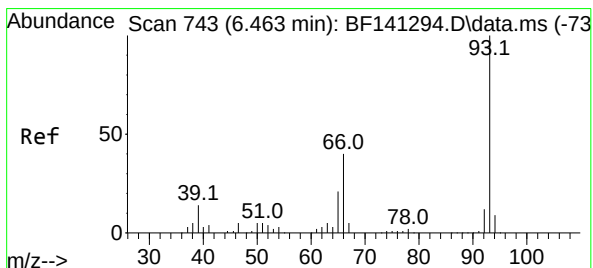
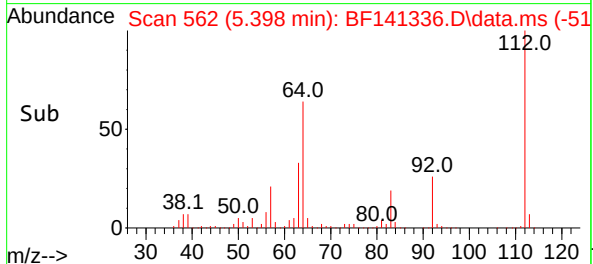
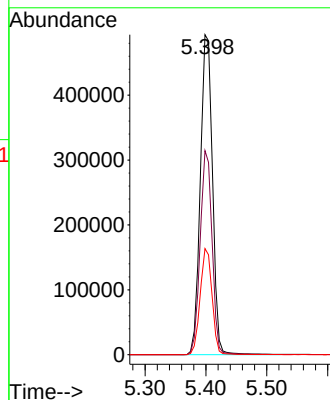
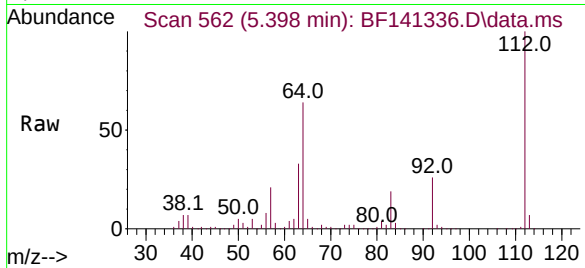




#5
2-Fluorophenol
Concen: 74.803 ng
RT: 5.398 min Scan# 50
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

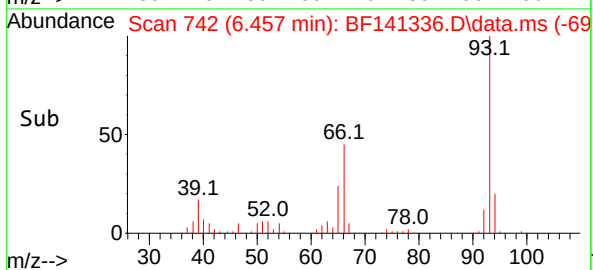
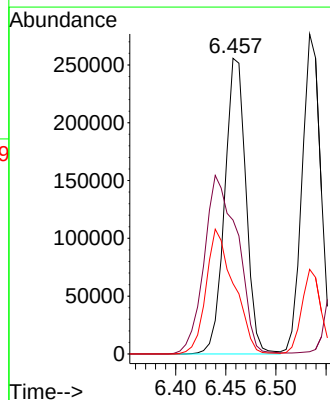
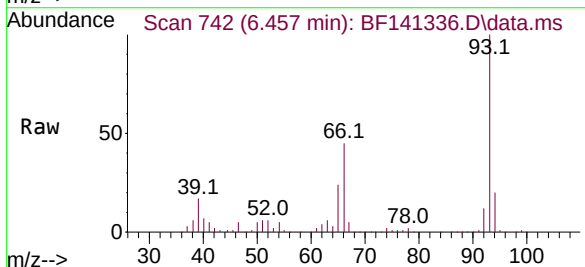
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

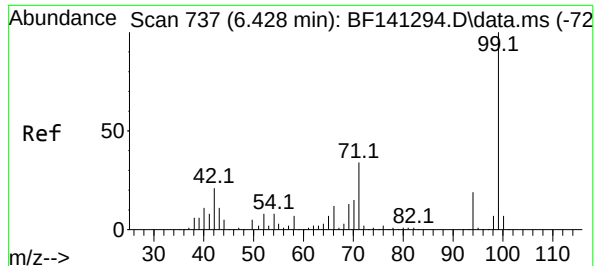
Tgt Ion:112 Resp: 682309
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 33.2 26.1 39.1



#6
Aniline
Concen: 38.328 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 376476
Ion Ratio Lower Upper
93 100
66 45.3 32.5 48.7
65 23.8 17.0 25.6





#7

Phenol-d6

Concen: 74.066 ng

RT: 6.428 min Scan# 714

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

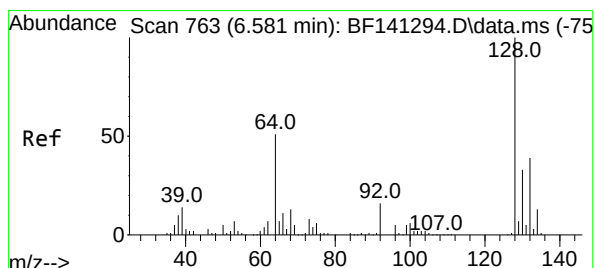
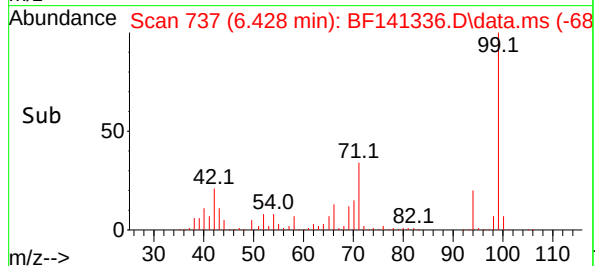
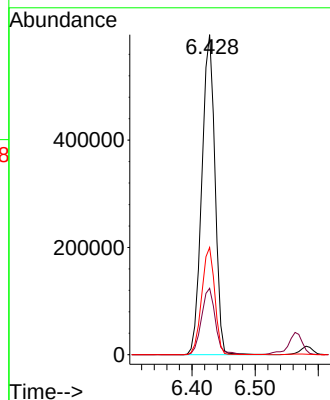
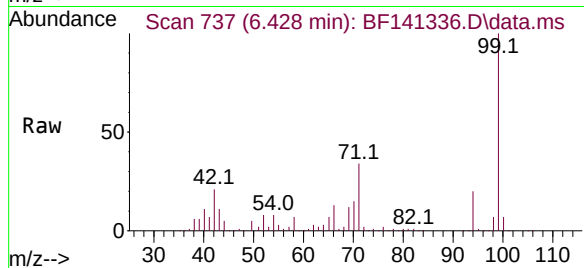
Tgt Ion: 99 Resp: 859443

Ion Ratio Lower Upper

99 100

42 20.7 17.1 25.7

71 33.5 26.9 40.3



#8

2-Chlorophenol

Concen: 37.432 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

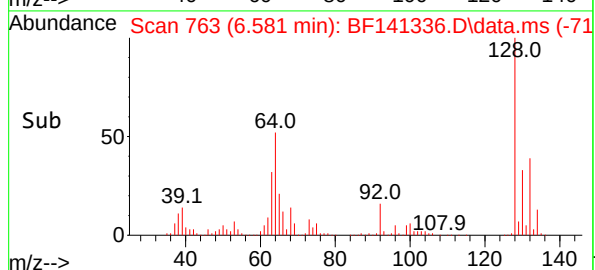
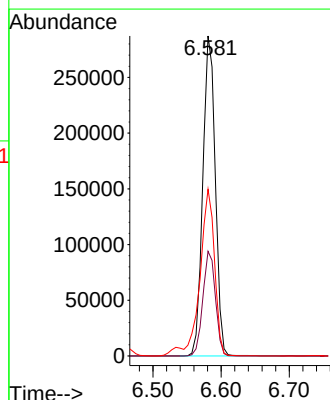
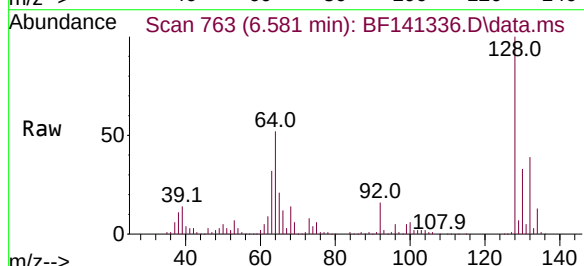
Tgt Ion:128 Resp: 365957

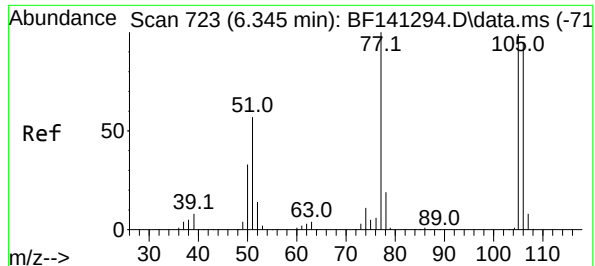
Ion Ratio Lower Upper

128 100

130 32.7 12.5 52.5

64 52.1 32.9 72.9





#9

Benzaldehyde

Concen: 40.484 ng

RT: 6.345 min Scan# 723

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

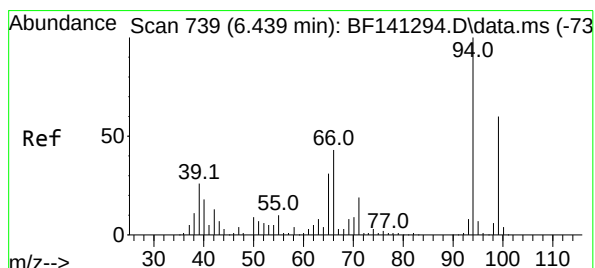
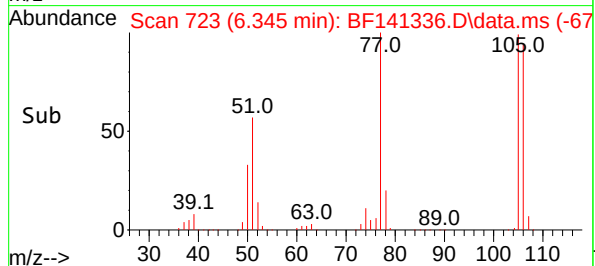
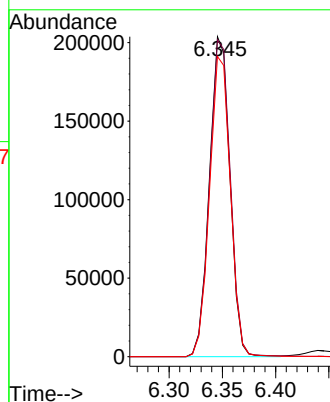
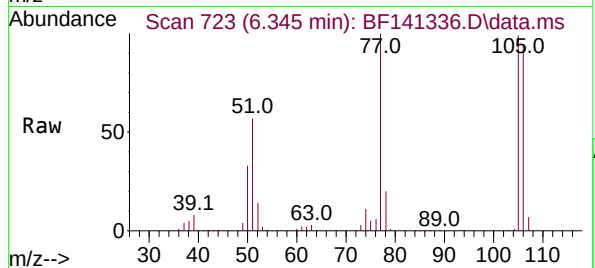
Tgt Ion: 77 Resp: 272105

Ion Ratio Lower Upper

77 100

105 99.1 79.4 119.4

106 93.8 74.6 114.6



#10

Phenol

Concen: 37.622 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

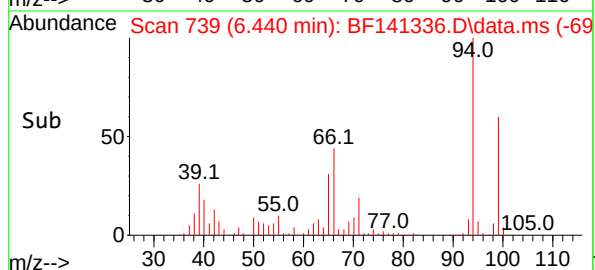
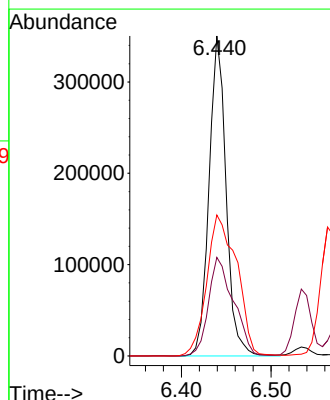
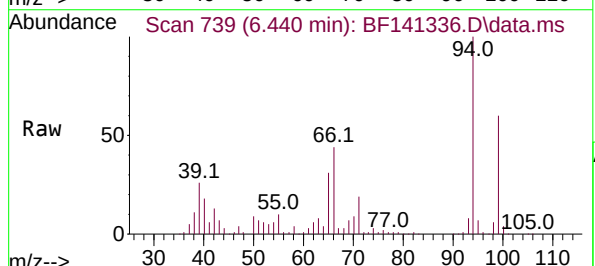
Tgt Ion: 94 Resp: 462764

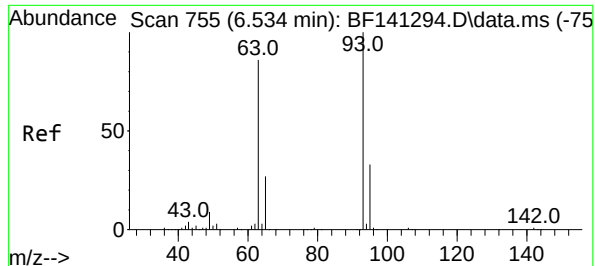
Ion Ratio Lower Upper

94 100

65 30.8 10.8 50.8

66 44.1 23.3 63.3

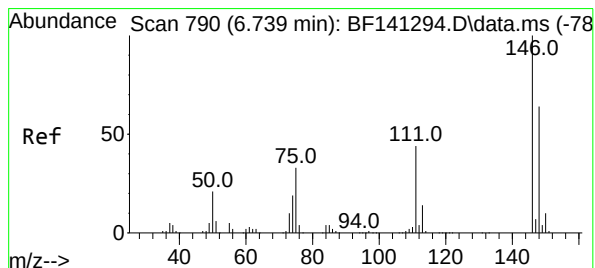
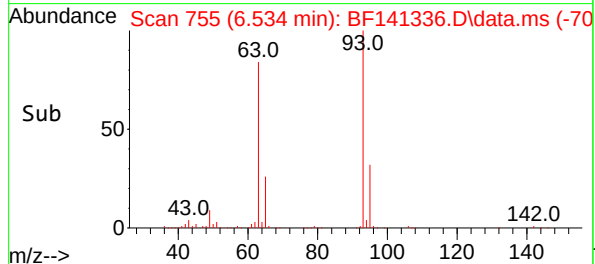
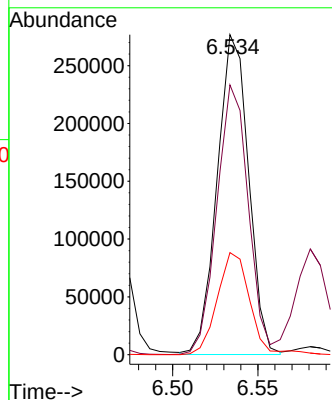
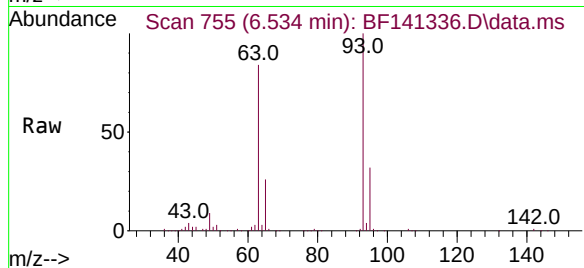




#11
bis(2-Chloroethyl)ether
Concen: 37.636 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

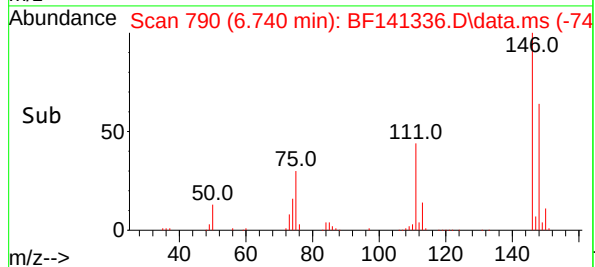
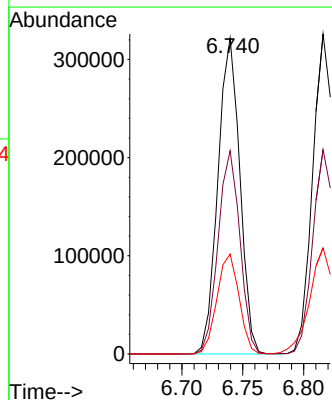
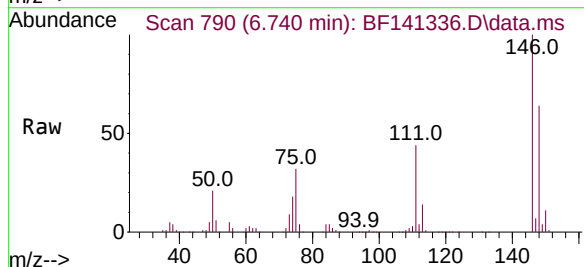
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

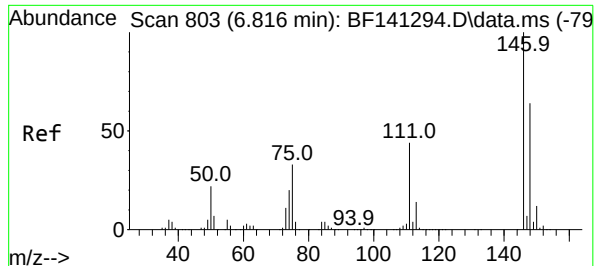
Tgt Ion: 93 Resp: 354960
Ion Ratio Lower Upper
93 100
63 84.3 65.0 105.0
95 31.9 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 37.423 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 146 Resp: 403414
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
75 31.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.151 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

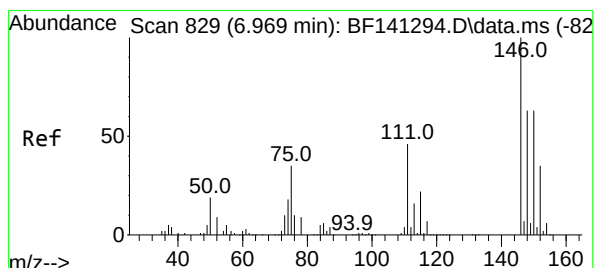
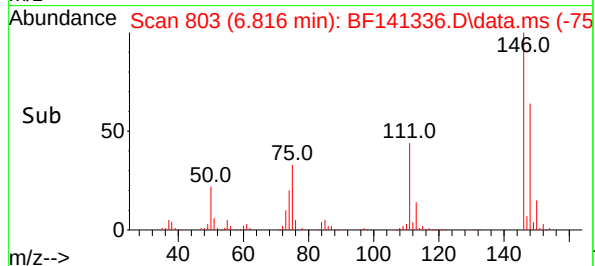
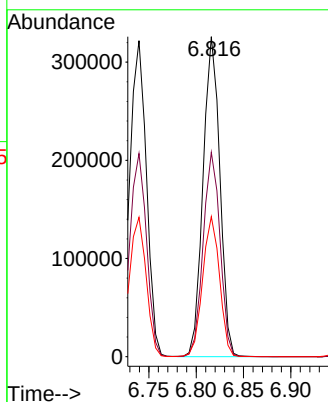
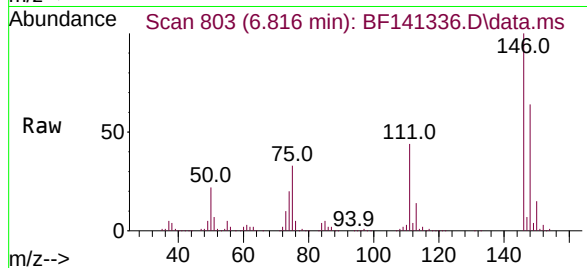
Tgt Ion:146 Resp: 402314

Ion Ratio Lower Upper

146 100

148 63.8 51.2 76.8

111 43.7 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 37.272 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

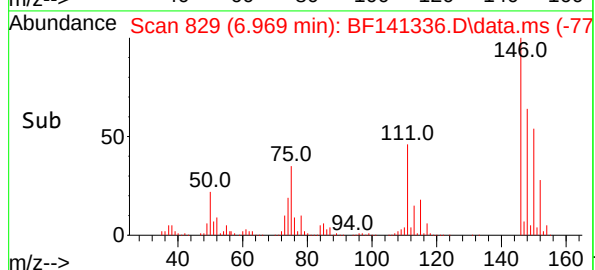
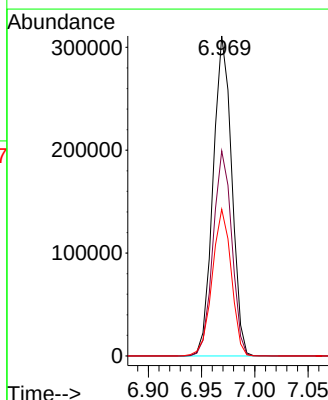
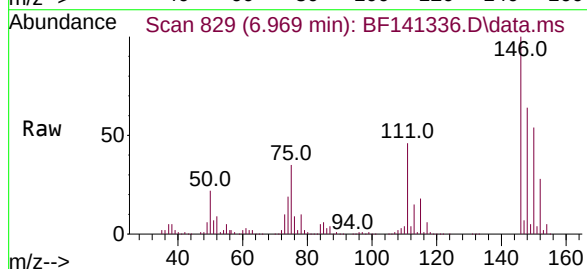
Tgt Ion:146 Resp: 377953

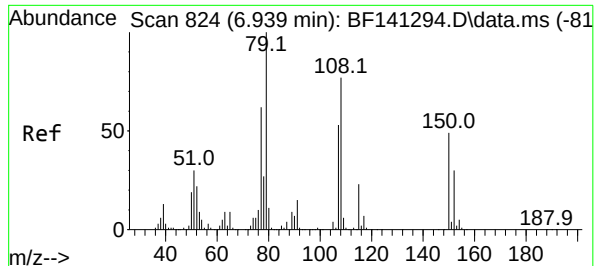
Ion Ratio Lower Upper

146 100

148 64.1 50.5 75.7

111 45.9 36.6 55.0





#15

Benzyl Alcohol

Concen: 38.880 ng

RT: 6.939 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

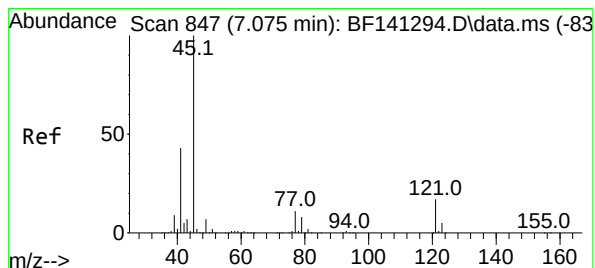
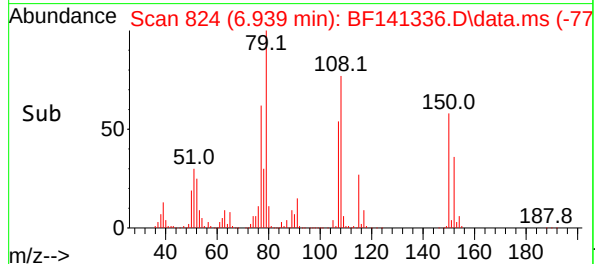
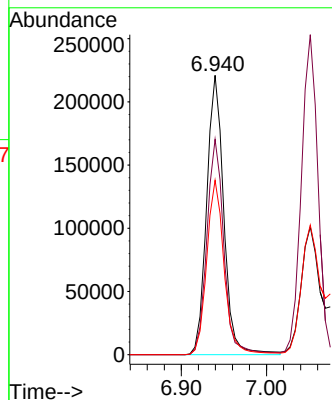
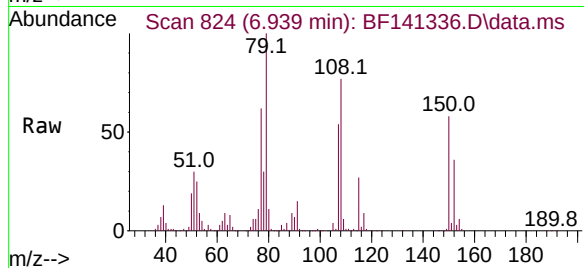
Tgt Ion: 79 Resp: 308313

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 62.4 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.552 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

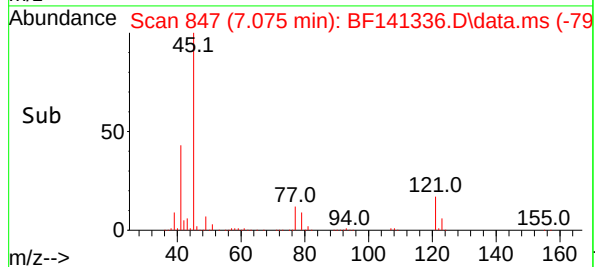
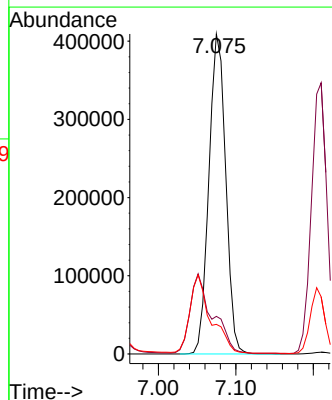
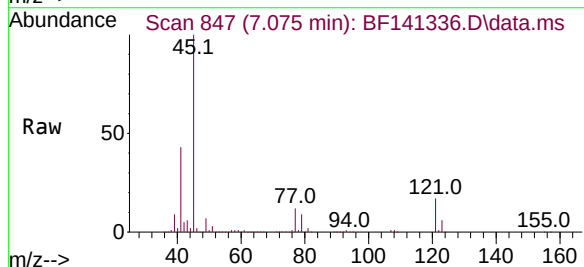
Tgt Ion: 45 Resp: 615868

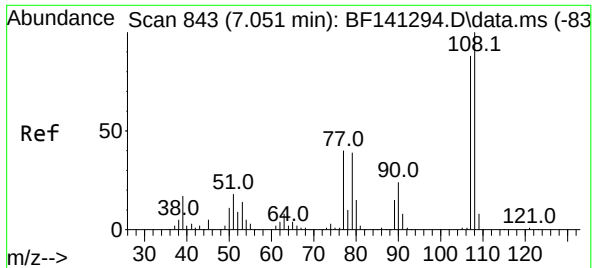
Ion Ratio Lower Upper

45 100

77 11.8 0.0 31.8

79 9.2 0.0 29.1

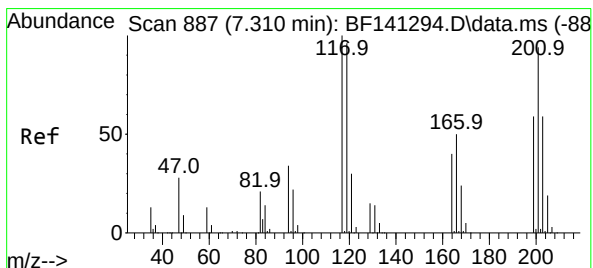
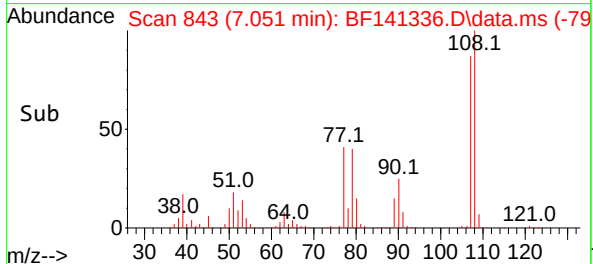
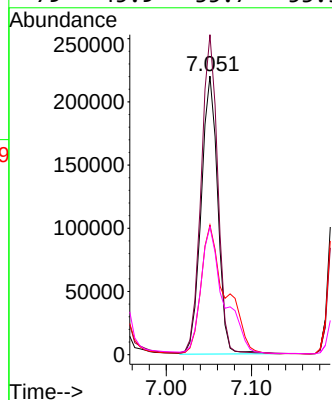
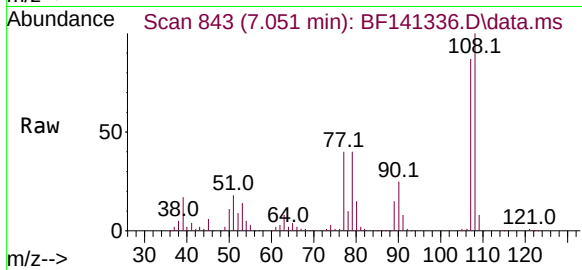




#17
2-Methylphenol
Concen: 37.434 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

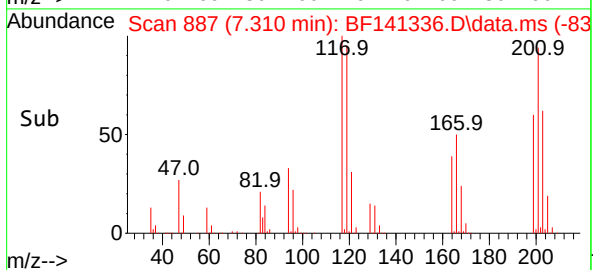
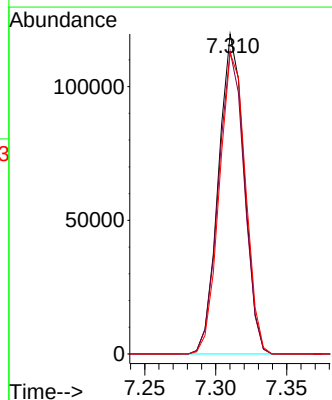
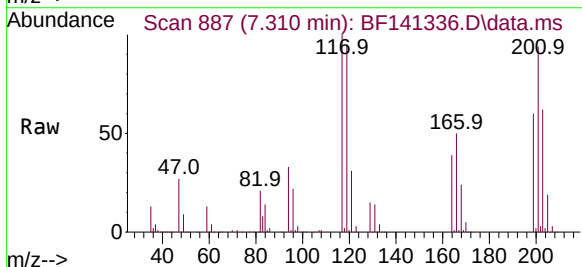
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

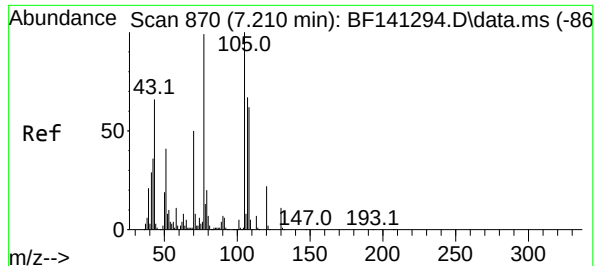
Tgt Ion:	107	Resp:	297446
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.8	136.2
77	46.5	36.2	54.4
79	45.9	35.7	53.5



#18
Hexachloroethane
Concen: 37.585 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:	117	Resp:	150153
Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	114.8
201	94.1	74.8	112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.424 ng

RT: 7.216 min Scan# 871

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 264932

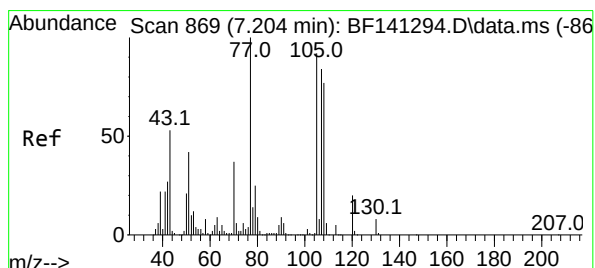
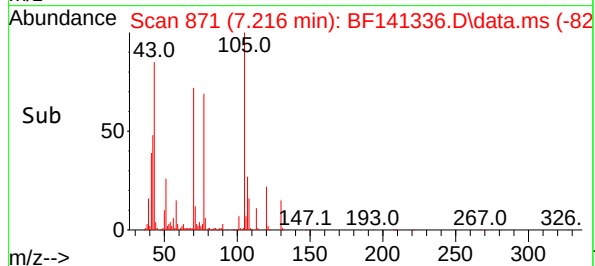
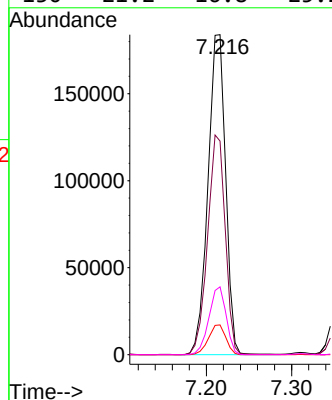
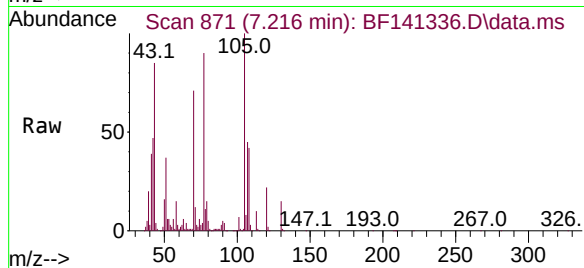
Ion Ratio Lower Upper

70 100

42 66.7 56.8 85.2

101 9.3 7.7 11.5

130 21.2 16.8 25.2



#20

3+4-Methylphenols

Concen: 37.845 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 107 Resp: 369223

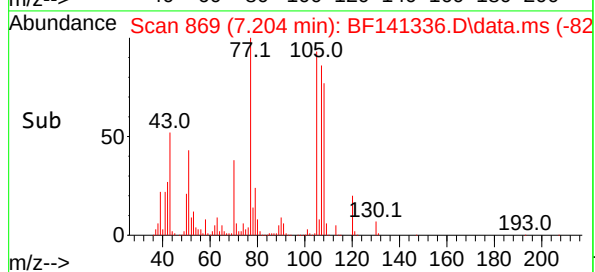
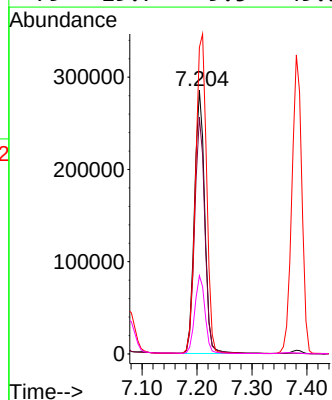
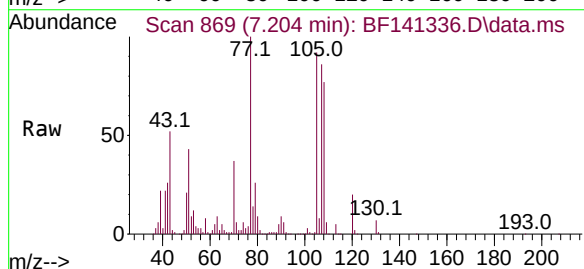
Ion Ratio Lower Upper

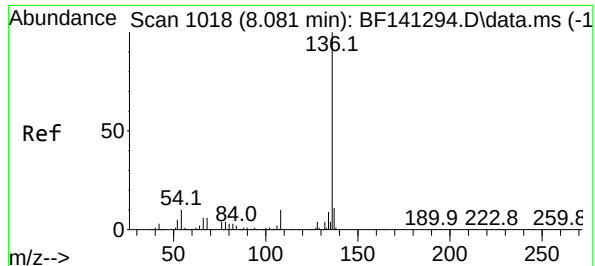
107 100

108 89.8 70.9 110.9

77 116.3 98.5 138.5

79 29.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 558386

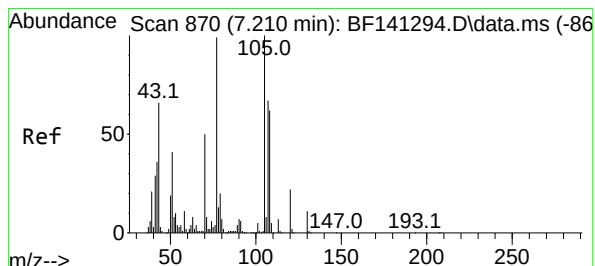
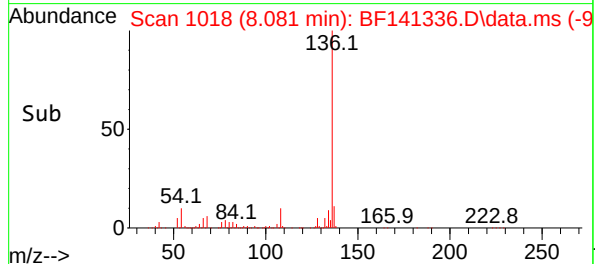
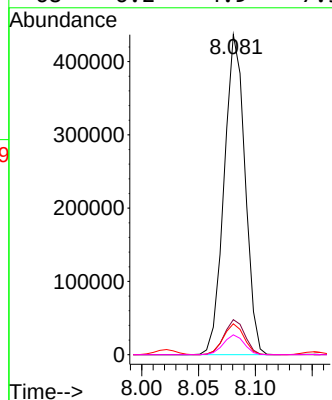
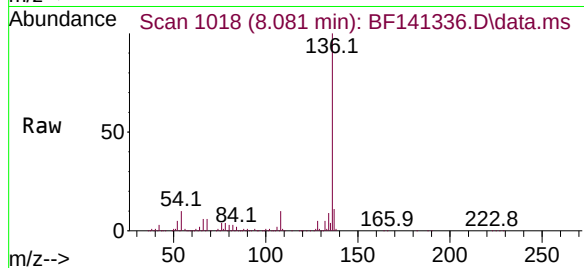
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.6 7.8 11.8

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 35.678 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:105 Resp: 473548

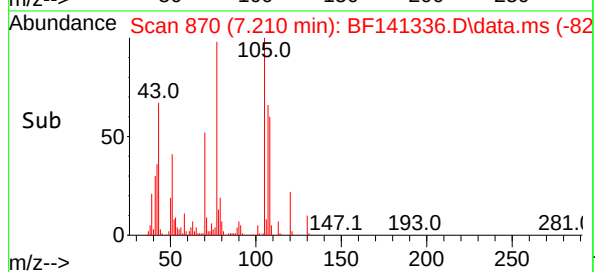
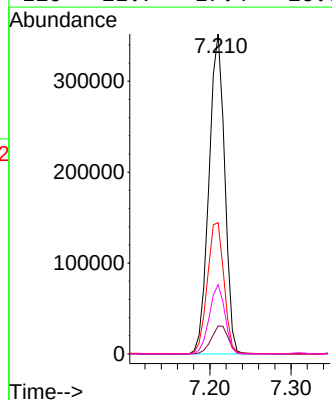
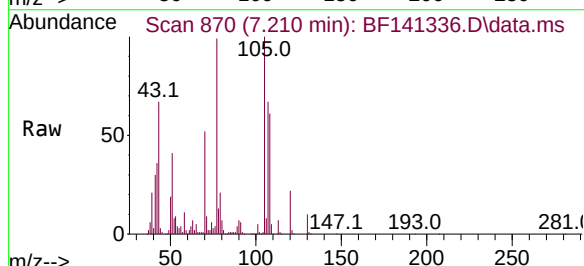
Ion Ratio Lower Upper

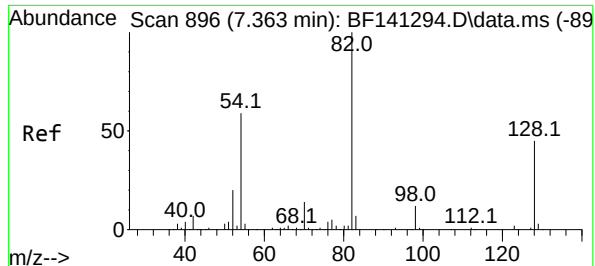
105 100

71 8.7 6.8 10.2

51 41.1 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 73.308 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

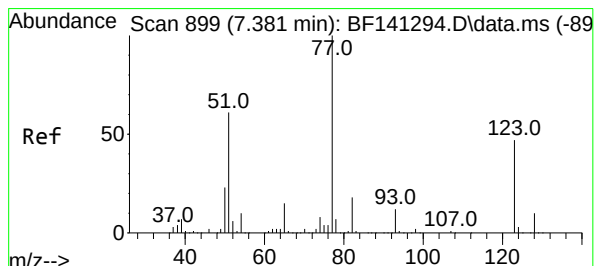
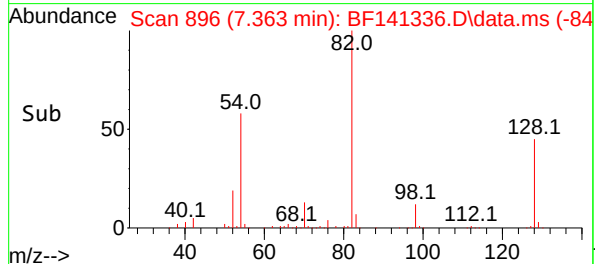
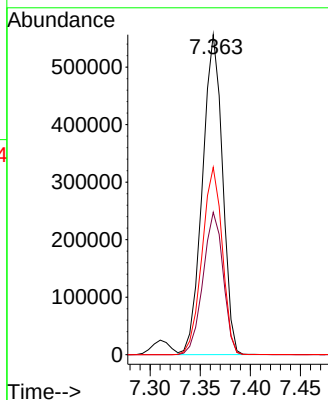
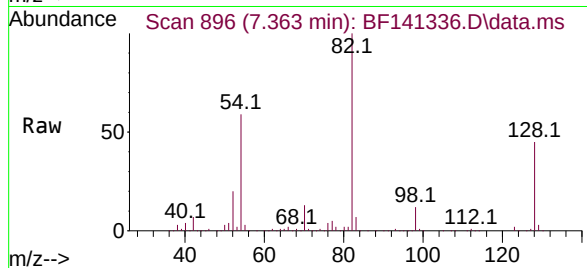
Tgt Ion: 82 Resp: 776494

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

54 58.5 47.1 70.7



#24

Nitrobenzene

Concen: 37.116 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

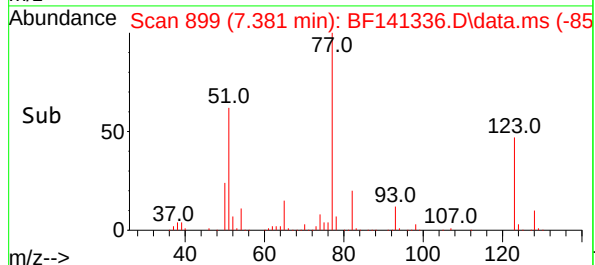
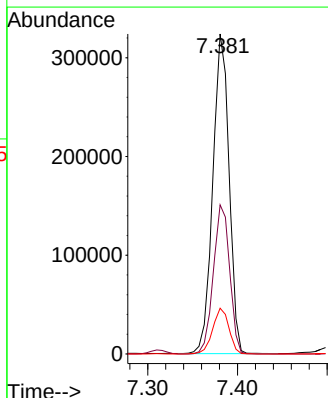
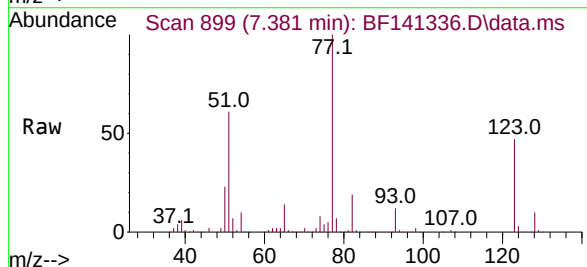
Tgt Ion: 77 Resp: 407415

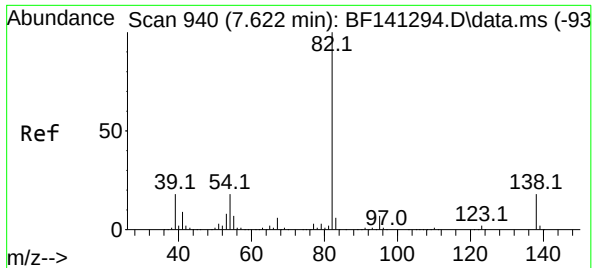
Ion Ratio Lower Upper

77 100

123 46.6 37.3 55.9

65 14.3 11.8 17.6

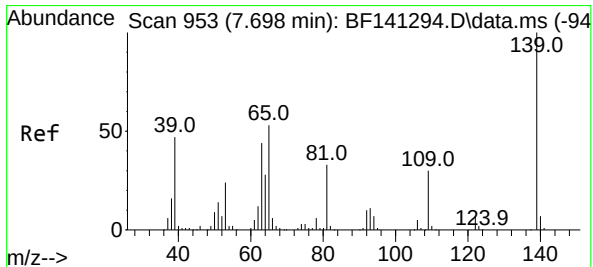
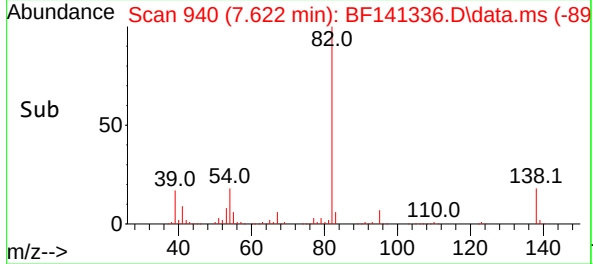
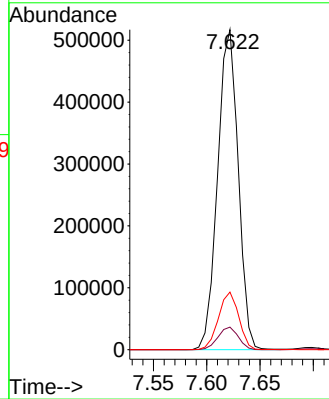
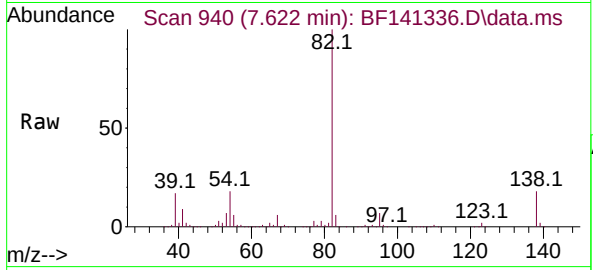




#25
Isophorone
Concen: 37.934 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

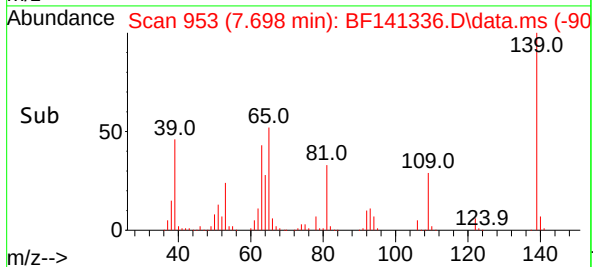
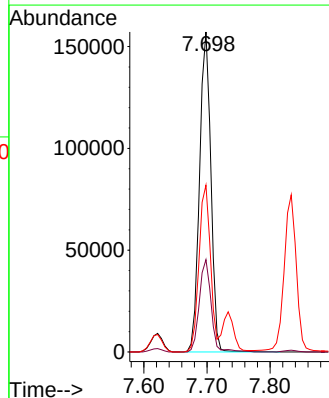
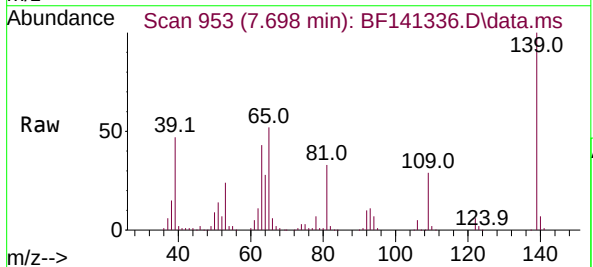
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

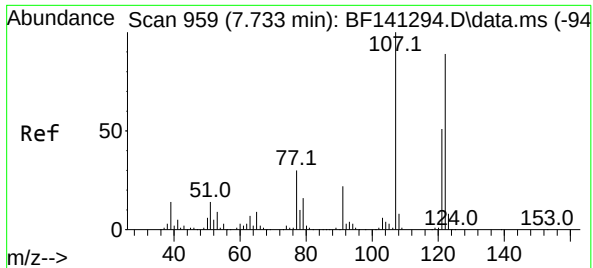
Tgt Ion: 82 Resp: 694555
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.6
138 18.0 14.7 22.1



#26
2-Nitrophenol
Concen: 37.762 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion: 139 Resp: 195489
Ion Ratio Lower Upper
139 100
109 28.8 23.8 35.6
65 52.1 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 37.999 ng

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

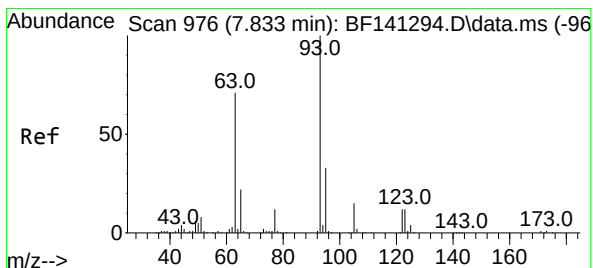
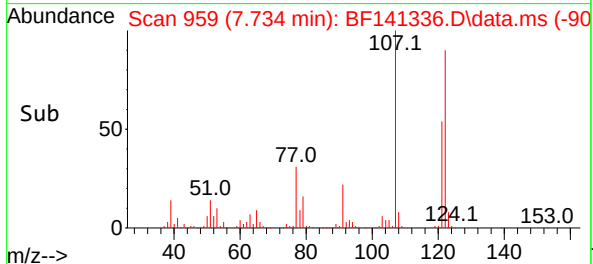
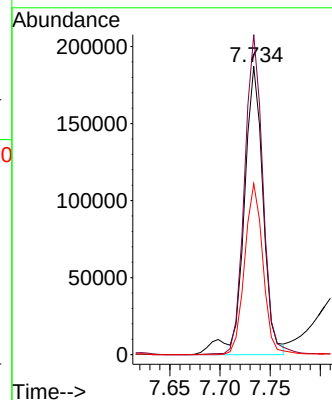
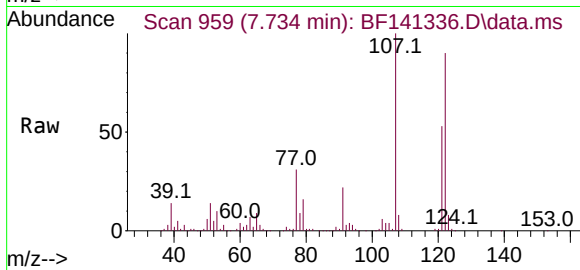
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 250385

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.9	134.9
121	59.4	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 36.955 ng

RT: 7.834 min Scan# 976

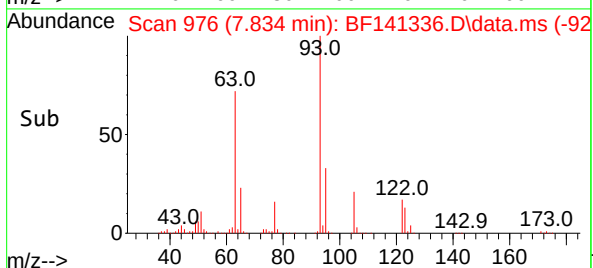
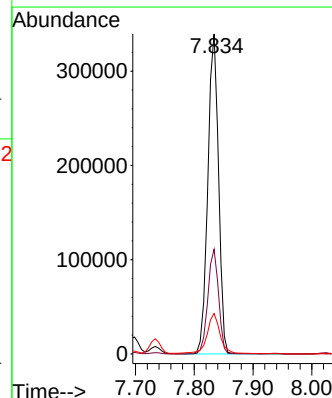
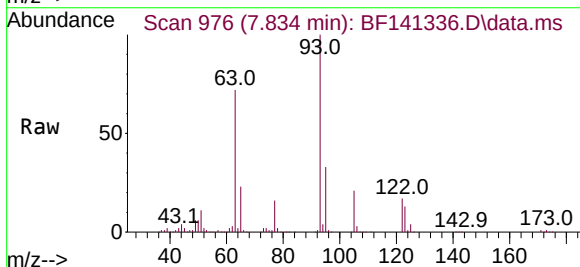
Delta R.T. -0.006 min

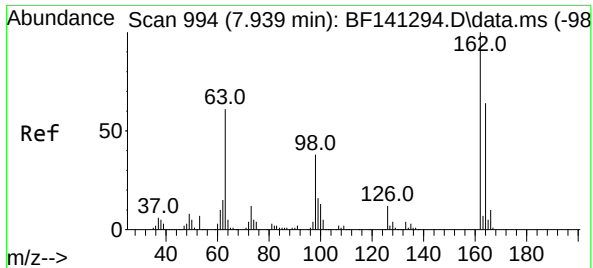
Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion: 93 Resp: 431598

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.6	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 37.608 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

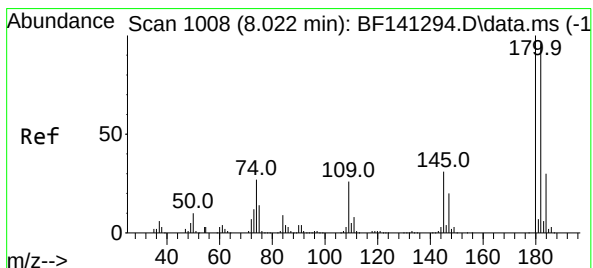
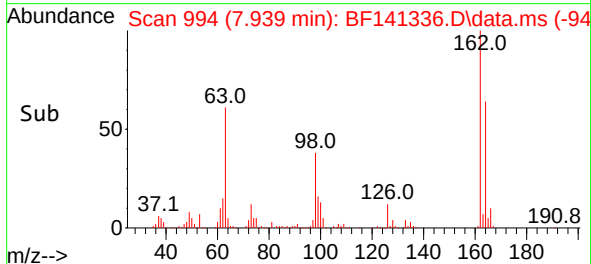
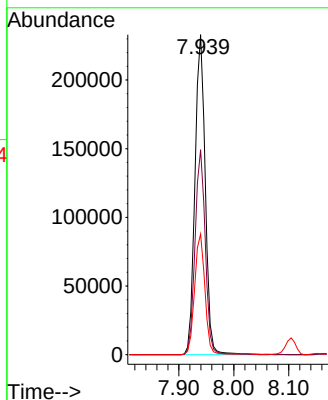
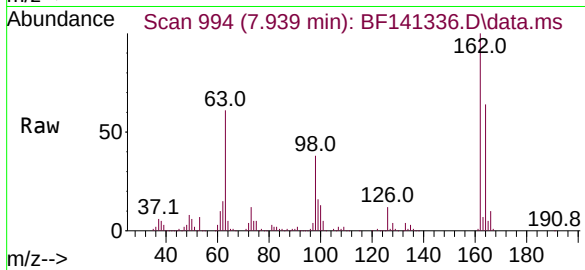
Tgt Ion:162 Resp: 303375

Ion Ratio Lower Upper

162 100

164 64.1 44.2 84.2

98 37.7 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 36.214 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

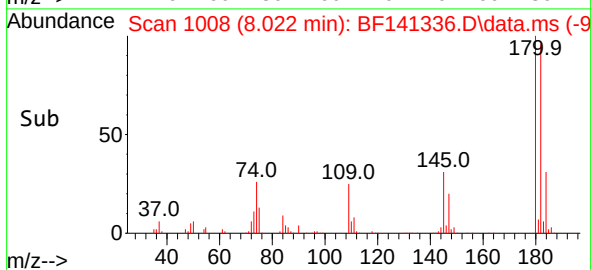
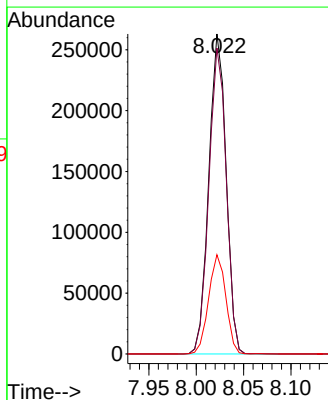
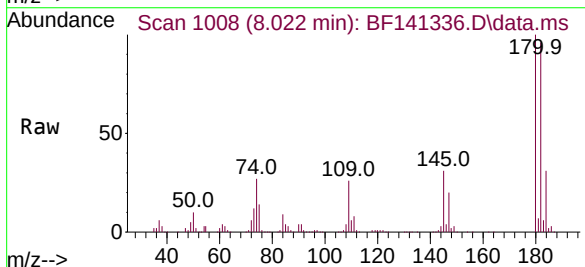
Tgt Ion:180 Resp: 333619

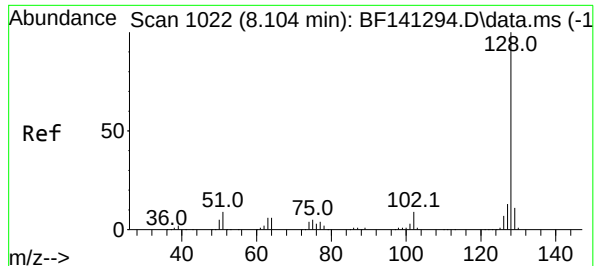
Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 36.561 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

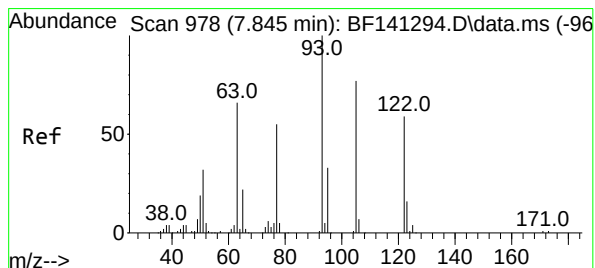
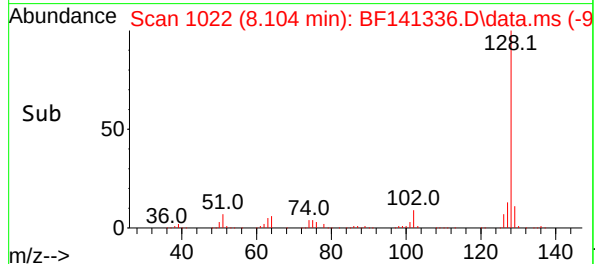
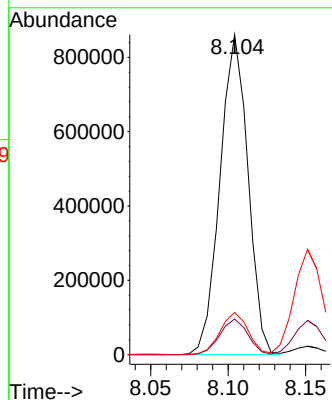
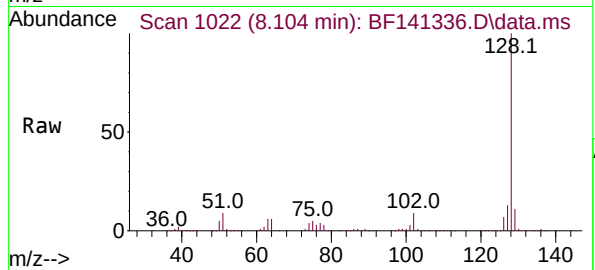
Tgt Ion:128 Resp: 1078465

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.2 10.6 15.8



#32

Benzoic acid

Concen: 41.698 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.035 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

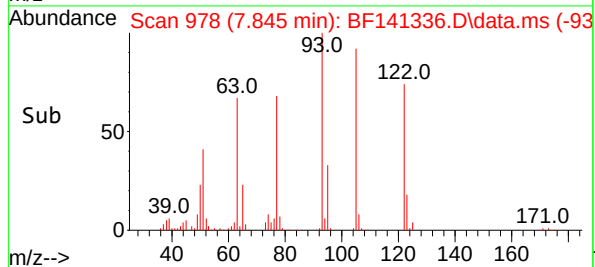
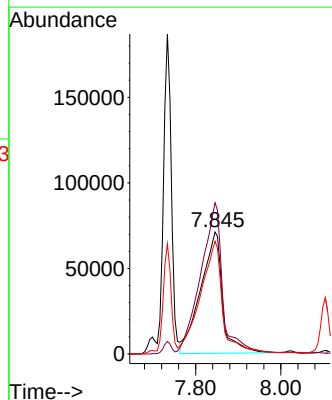
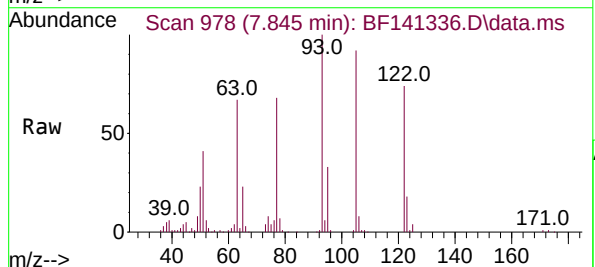
Tgt Ion:122 Resp: 252577

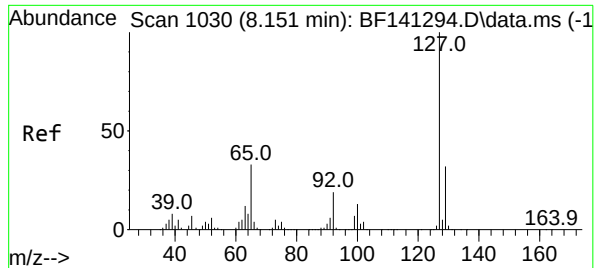
Ion Ratio Lower Upper

122 100

105 124.1 103.4 143.4

77 92.4 70.9 110.9





#33

4-Chloroaniline

Concen: 36.719 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 367291

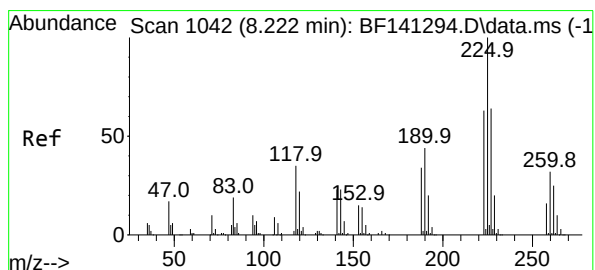
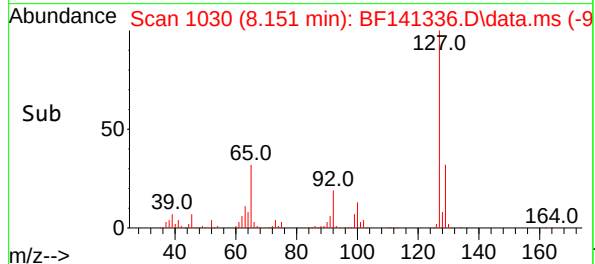
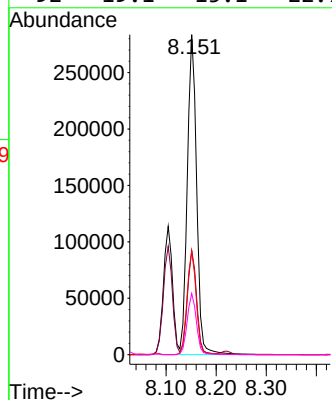
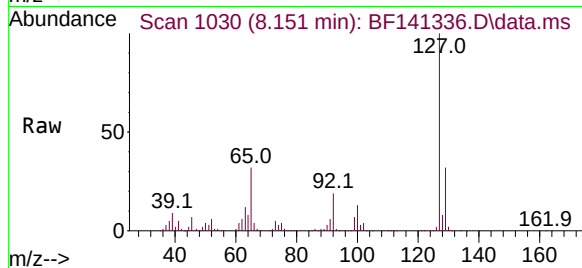
Ion Ratio Lower Upper

127 100

129 32.5 25.7 38.5

65 32.4 26.4 39.6

92 19.1 15.1 22.7



#34

Hexachlorobutadiene

Concen: 37.021 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

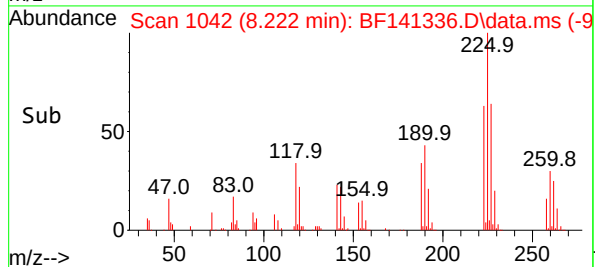
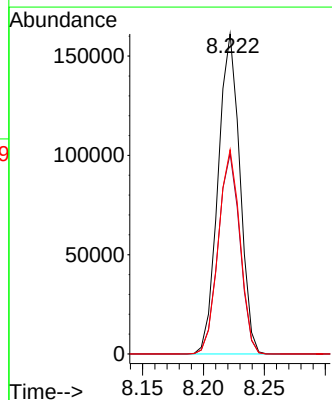
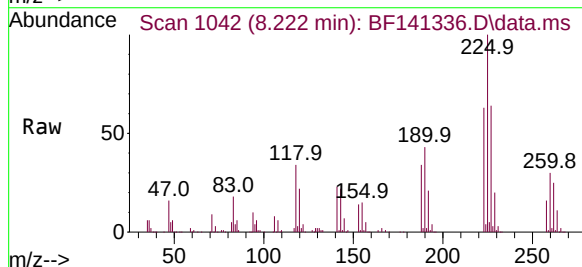
Tgt Ion:225 Resp: 200005

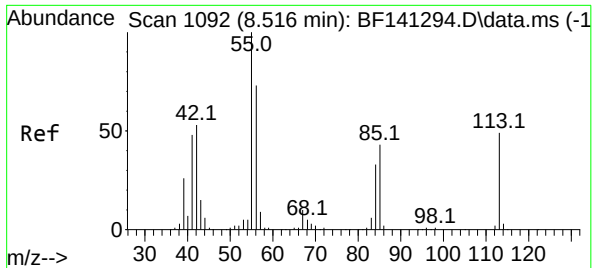
Ion Ratio Lower Upper

225 100

223 62.6 50.4 75.6

227 63.9 51.3 76.9

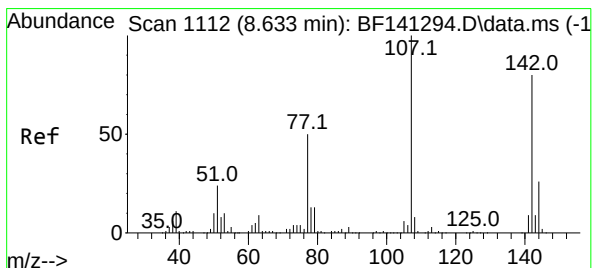
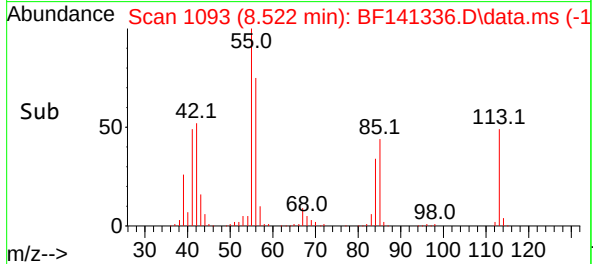
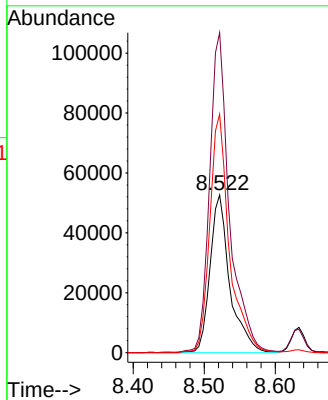
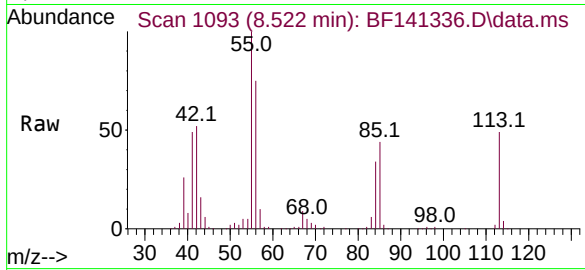




#35
Caprolactam
Concen: 38.705 ng
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

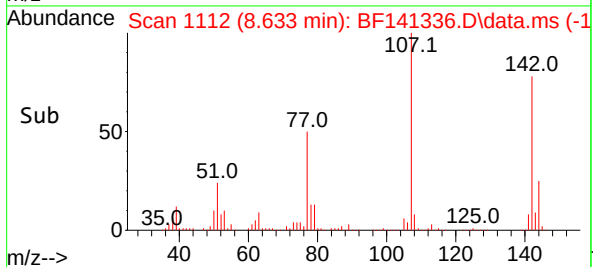
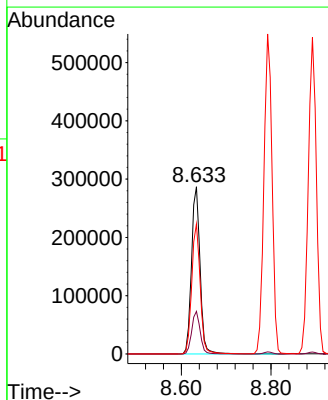
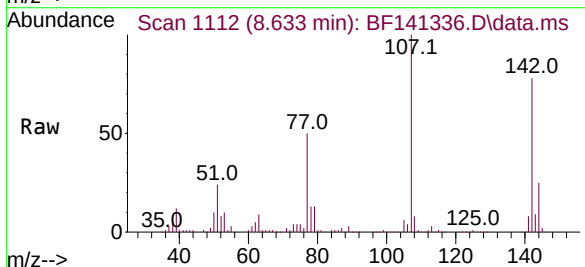
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

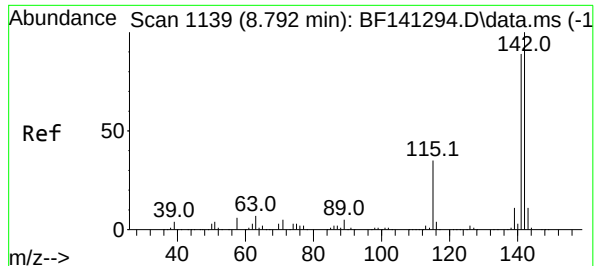
Tgt Ion:113 Resp: 101967
Ion Ratio Lower Upper
113 100
55 202.8 182.9 222.9
56 151.1 127.9 167.9



#36
4-Chloro-3-methylphenol
Concen: 43.991 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:107 Resp: 380639
Ion Ratio Lower Upper
107 100
144 25.5 20.7 31.1
142 77.7 63.8 95.8





#37

2-Methylnaphthalene

Concen: 36.818 ng

RT: 8.792 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

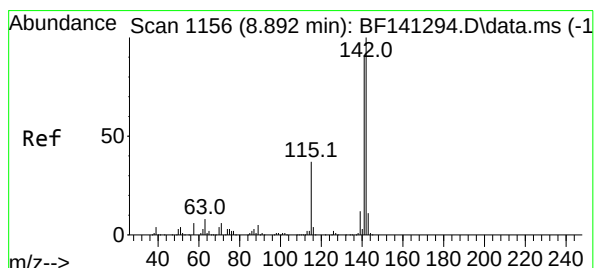
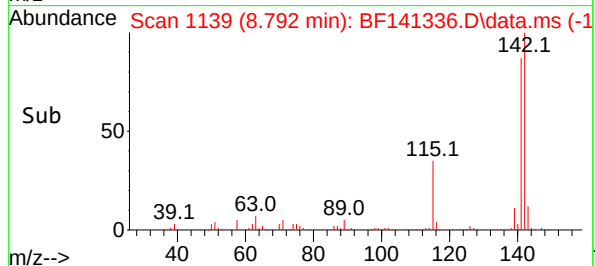
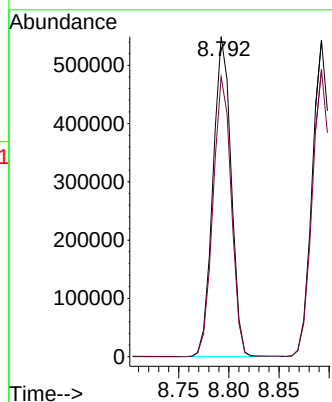
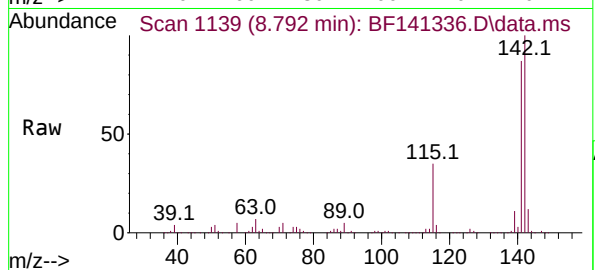
SSTDCCC040

Tgt Ion:142 Resp: 690288

Ion Ratio Lower Upper

142 100

141 87.4 71.3 106.9



#38

1-Methylnaphthalene

Concen: 36.681 ng

RT: 8.892 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF141336.D

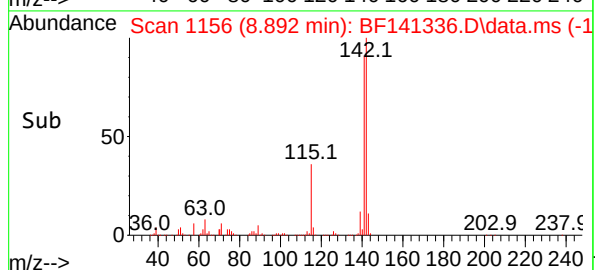
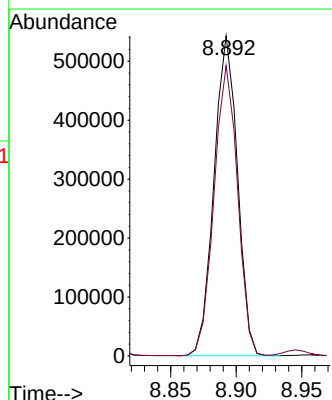
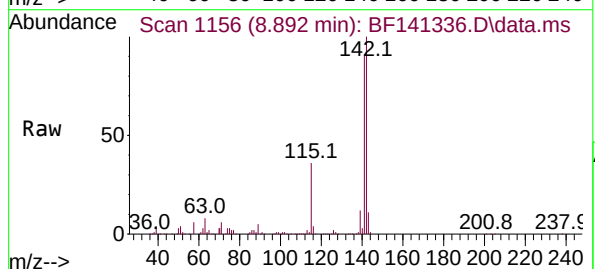
Acq: 31 Jan 2025 17:19

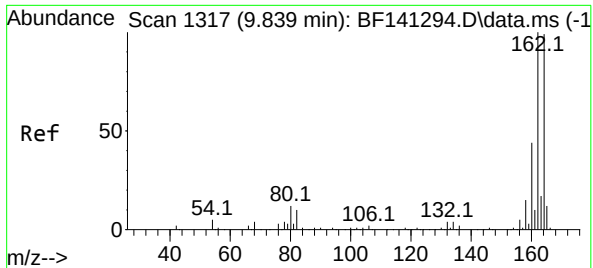
Tgt Ion:142 Resp: 675547

Ion Ratio Lower Upper

142 100

141 90.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

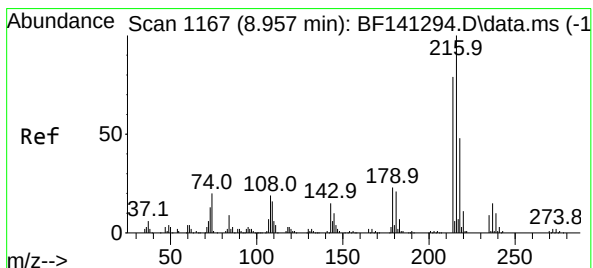
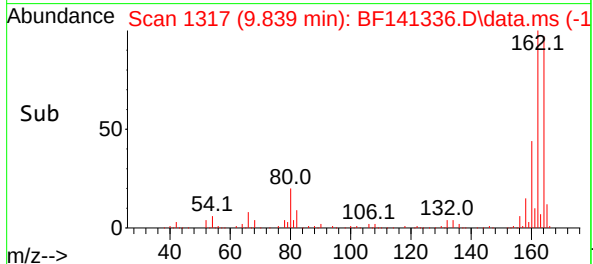
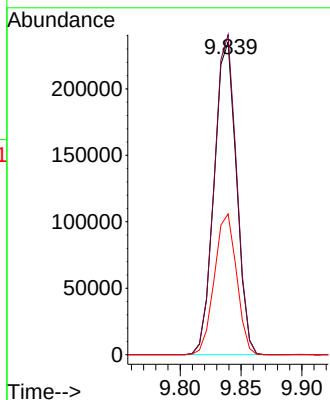
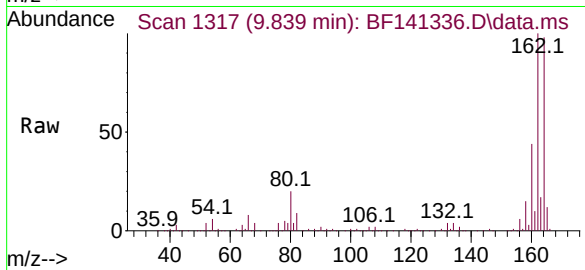
Tgt Ion:164 Resp: 299701

Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

160 45.0 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 36.224 ng

RT: 8.957 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:216 Resp: 308854

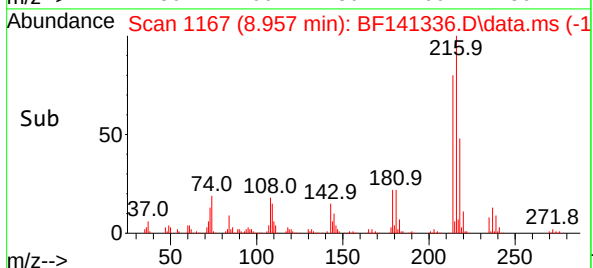
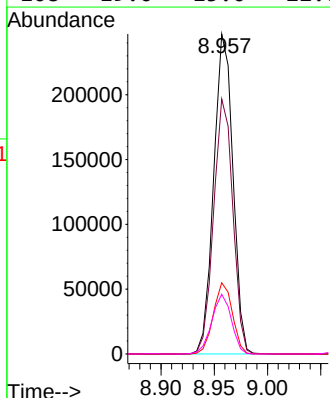
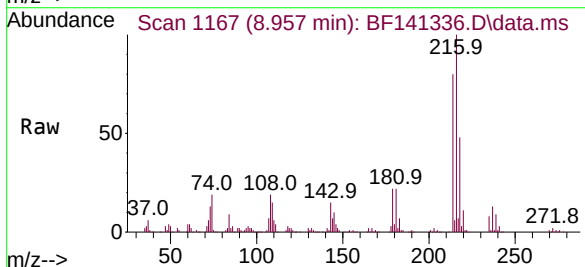
Ion Ratio Lower Upper

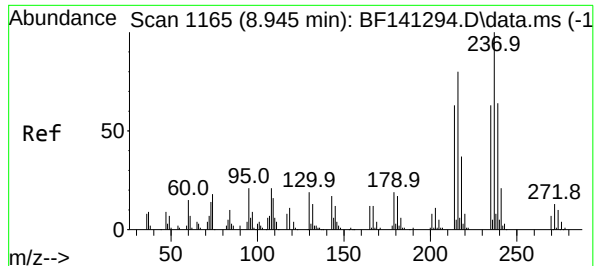
216 100

214 79.6 63.2 94.8

179 22.0 17.8 26.8

108 19.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 37.949 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

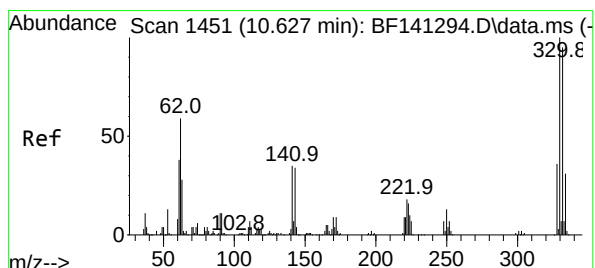
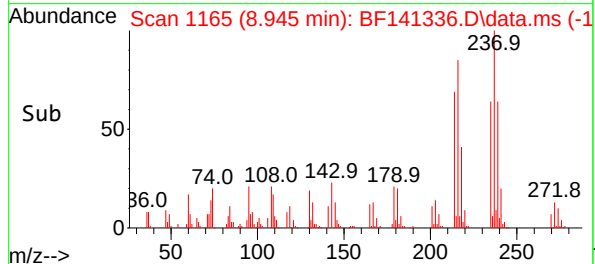
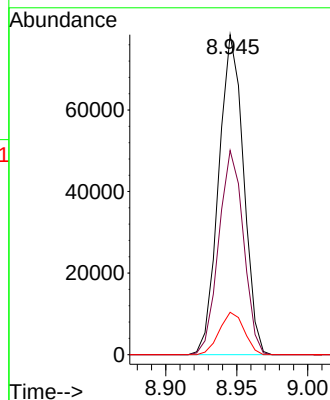
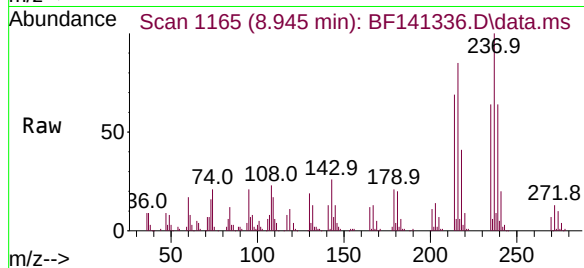
Tgt Ion:237 Resp: 95556

Ion Ratio Lower Upper

237 100

235 63.8 42.9 82.9

272 13.2 0.0 32.8



#42

2,4,6-Tribromophenol

Concen: 77.122 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

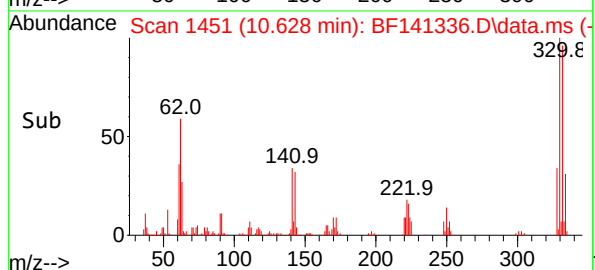
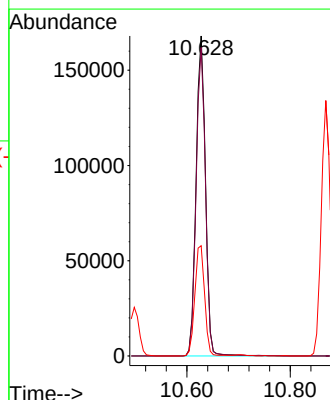
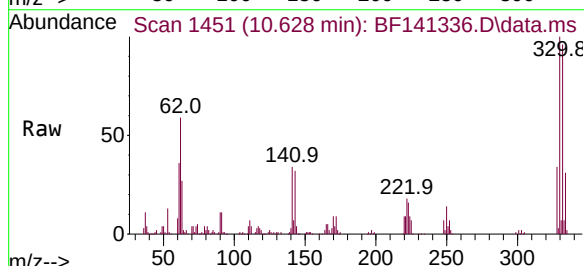
Tgt Ion:330 Resp: 211897

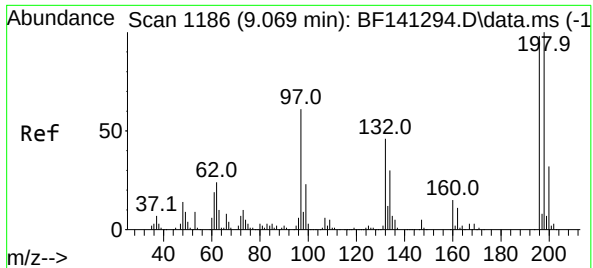
Ion Ratio Lower Upper

330 100

332 95.8 76.1 114.1

141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 39.199 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

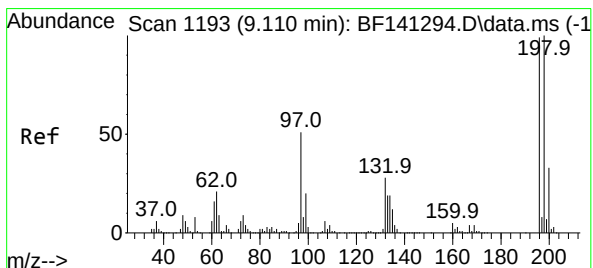
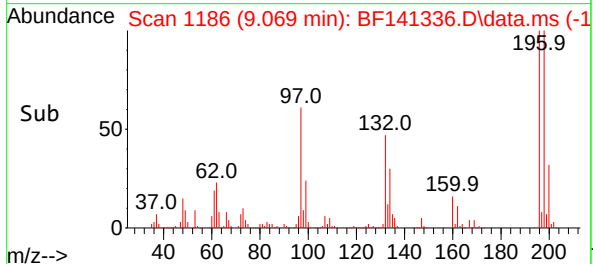
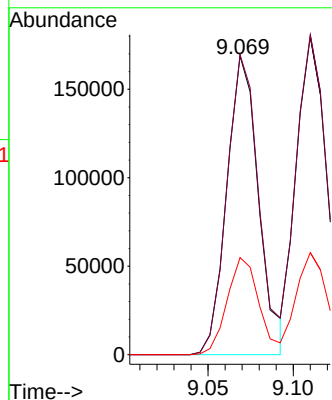
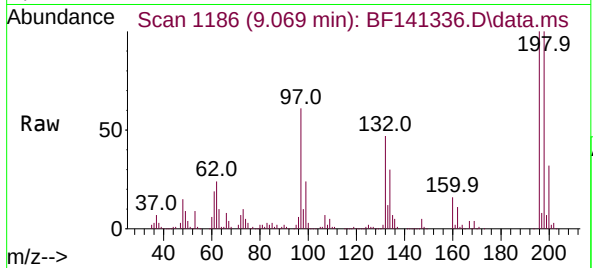
Tgt Ion:196 Resp: 218757

Ion Ratio Lower Upper

196 100

198 100.5 81.8 122.6

200 32.5 26.3 39.5



#44

2,4,5-Trichlorophenol

Concen: 37.608 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:196 Resp: 228427

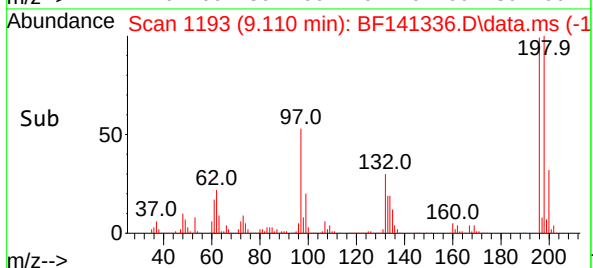
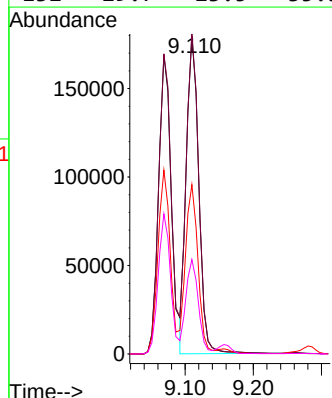
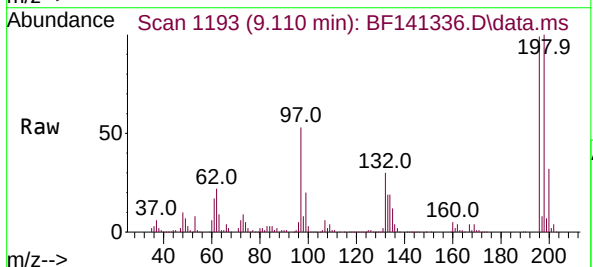
Ion Ratio Lower Upper

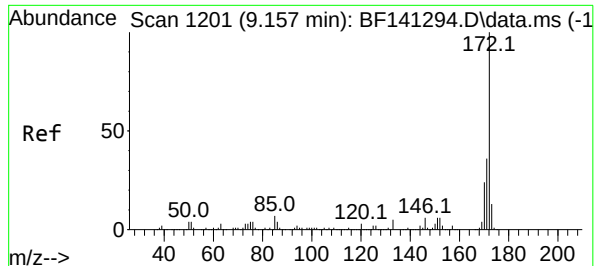
196 100

198 100.7 80.5 120.7

97 53.3 42.8 64.2

132 29.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 70.690 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

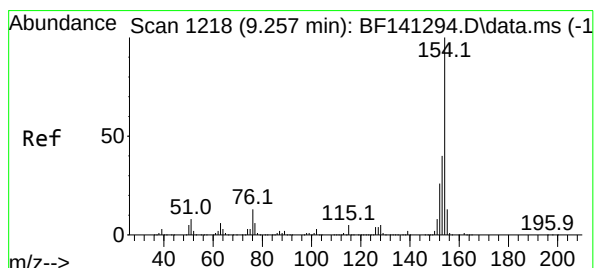
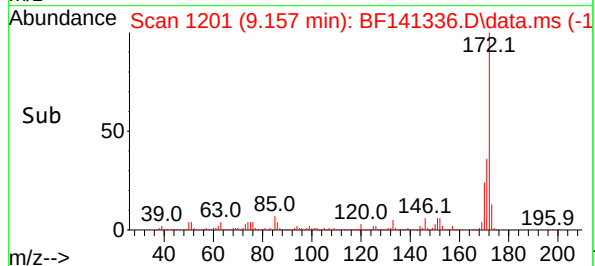
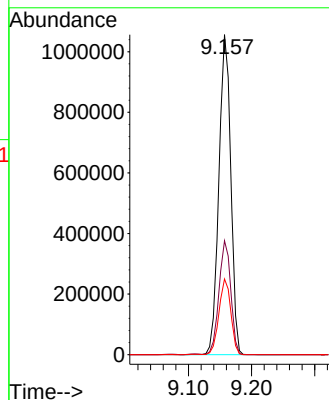
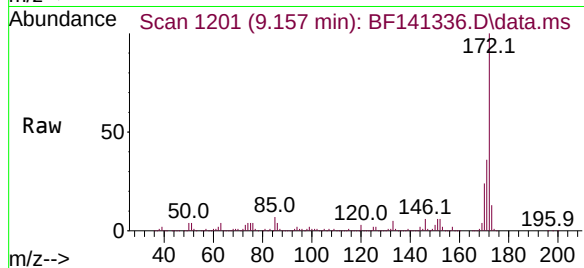
Tgt Ion:172 Resp: 1376427

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 36.585 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

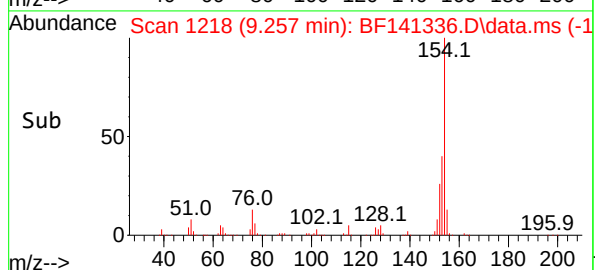
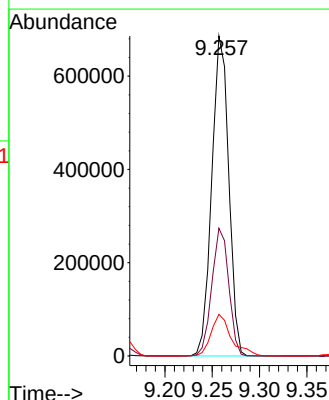
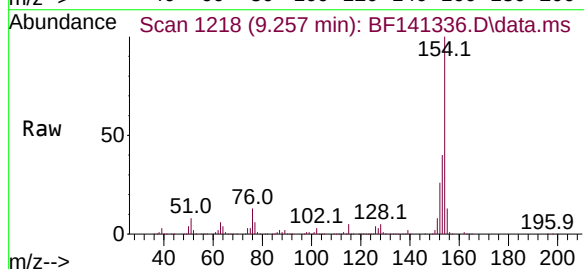
Tgt Ion:154 Resp: 855111

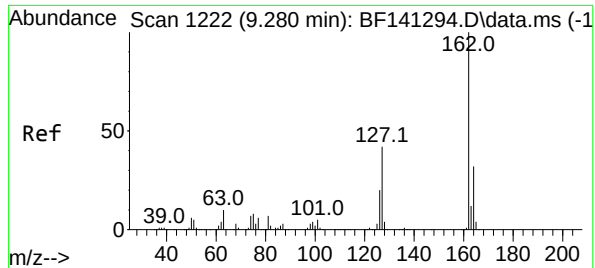
Ion Ratio Lower Upper

154 100

153 39.9 20.0 60.0

76 13.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.251 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

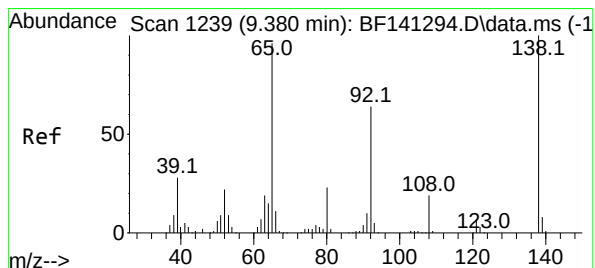
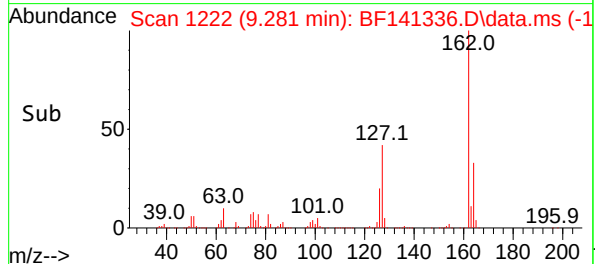
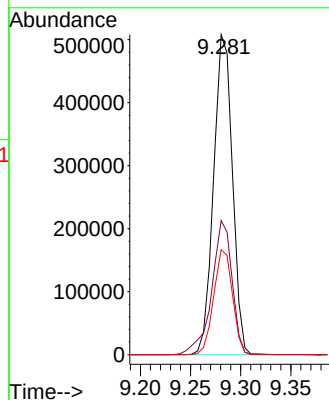
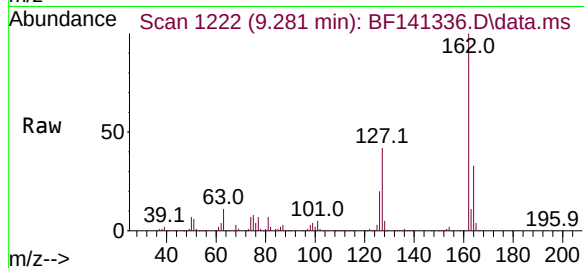
Tgt Ion:162 Resp: 660426

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

164 32.8 25.9 38.9



#48

2-Nitroaniline

Concen: 38.330 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

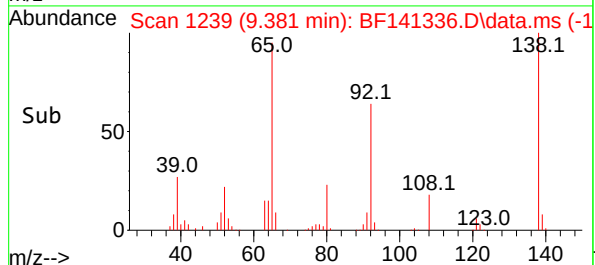
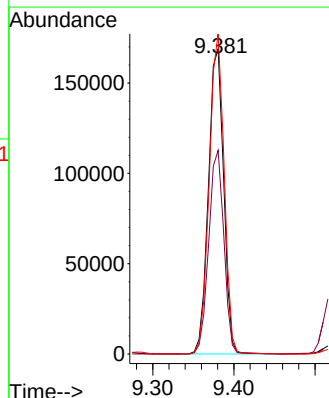
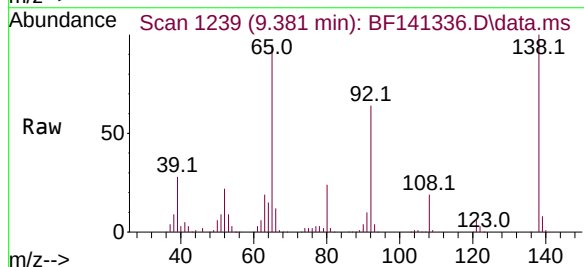
Tgt Ion: 65 Resp: 219643

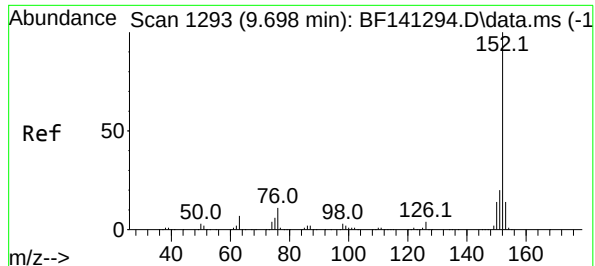
Ion Ratio Lower Upper

65 100

92 66.8 53.3 79.9

138 104.9 83.6 125.4





#49

Acenaphthylene

Concen: 37.073 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

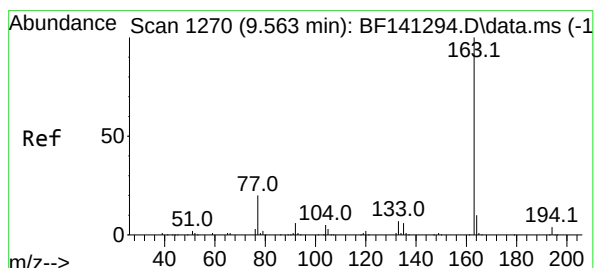
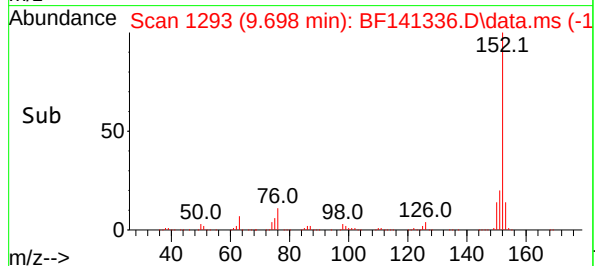
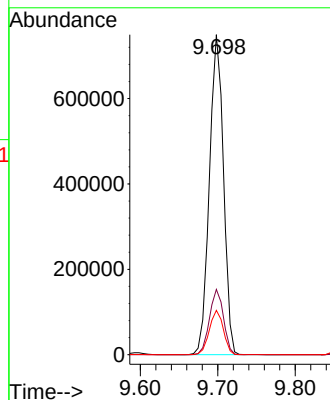
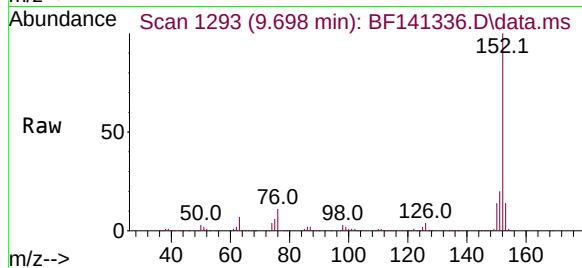
Tgt Ion:152 Resp: 945423

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

153 13.9 11.0 16.6



#50

Dimethylphthalate

Concen: 38.200 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

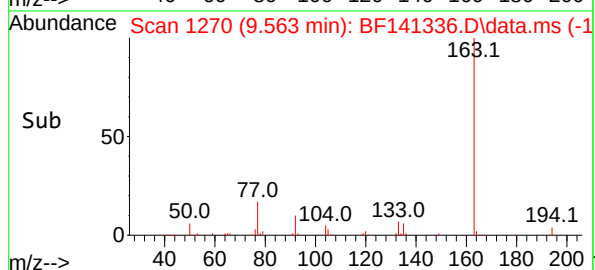
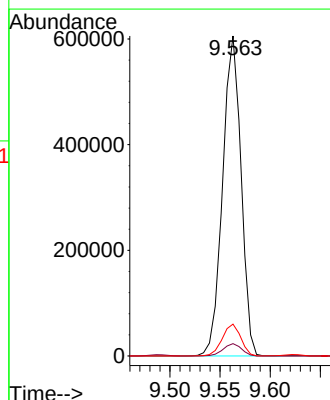
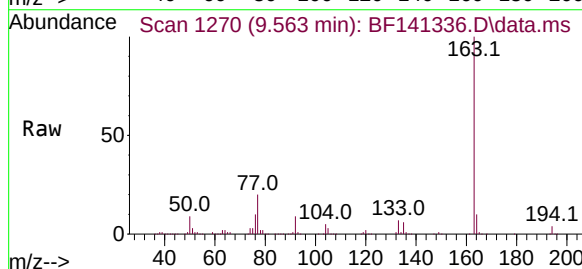
Tgt Ion:163 Resp: 773243

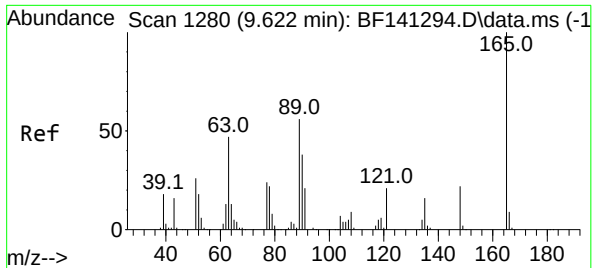
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.9 8.0 12.0

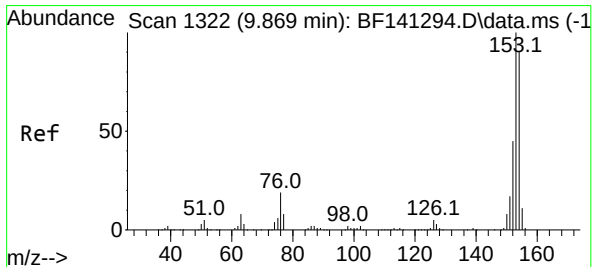
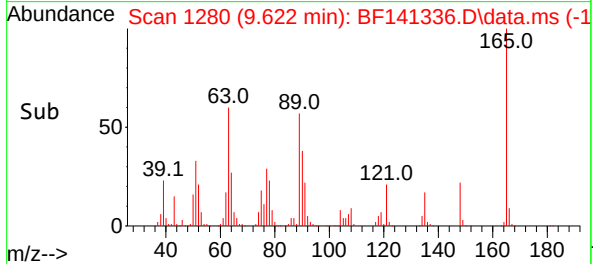
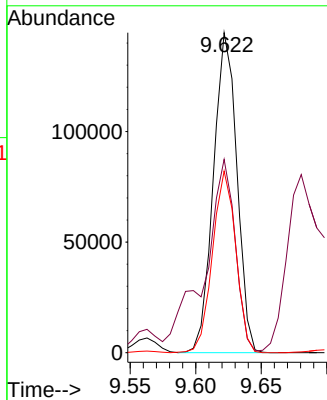
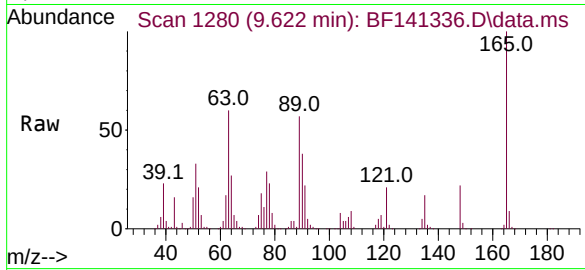




#51
2,6-Dinitrotoluene
Concen: 38.268 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

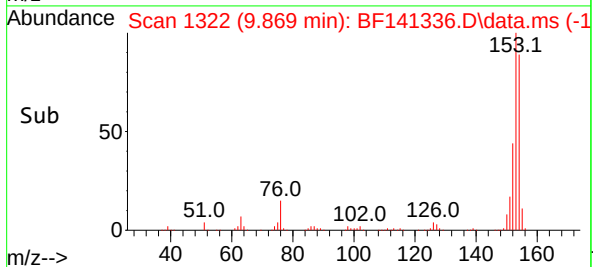
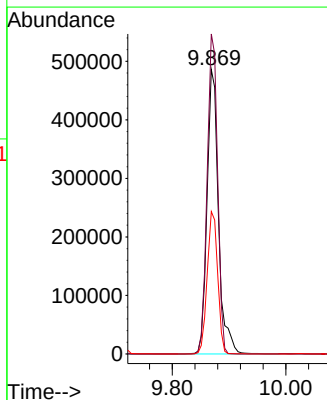
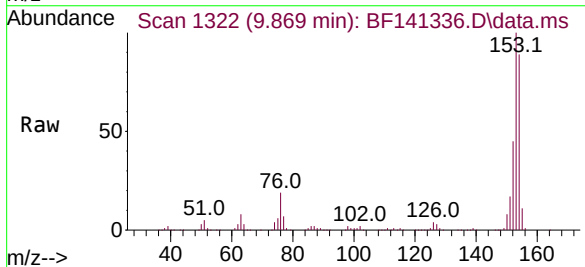
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

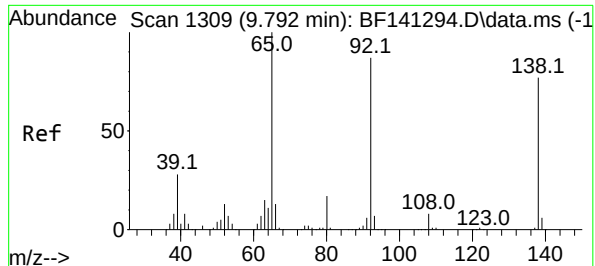
Tgt Ion:165 Resp: 179857
Ion Ratio Lower Upper
165 100
63 60.4 48.1 72.1
89 56.7 44.9 67.3



#52
Acenaphthene
Concen: 37.066 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:154 Resp: 675302
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 50.1 40.2 60.4





#53

3-Nitroaniline

Concen: 37.936 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

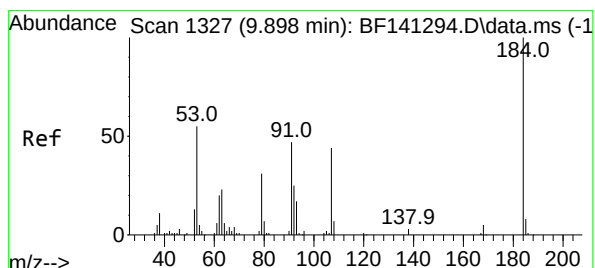
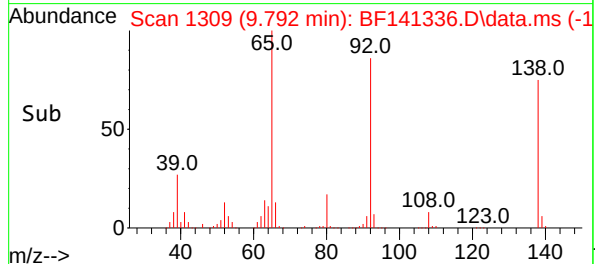
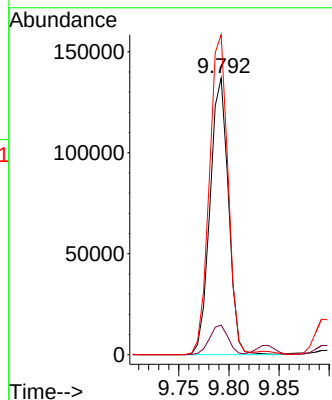
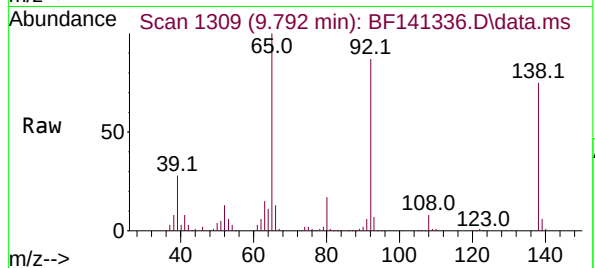
Tgt Ion:138 Resp: 174746

Ion Ratio Lower Upper

138 100

108 10.7 8.6 12.8

92 115.7 91.0 136.6



#54

2,4-Dinitrophenol

Concen: 41.270 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

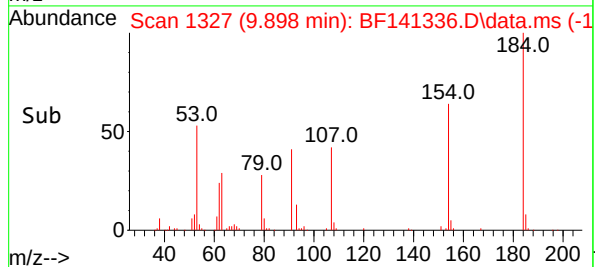
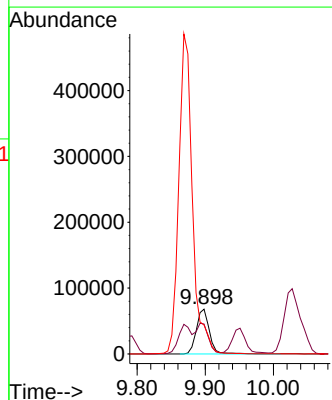
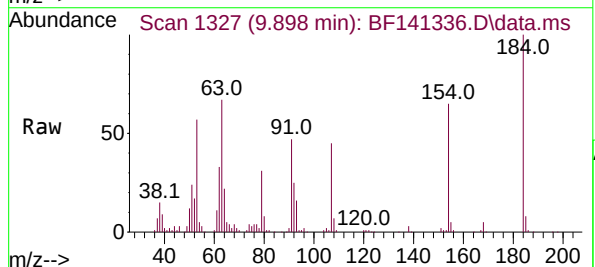
Tgt Ion:184 Resp: 90166

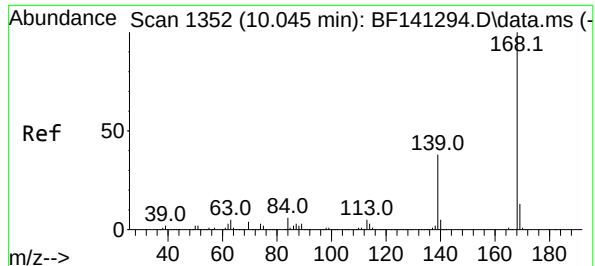
Ion Ratio Lower Upper

184 100

63 66.5 54.1 81.1

154 64.7 50.7 76.1





#55

Dibenzenofuran

Concen: 36.395 ng

RT: 10.045 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

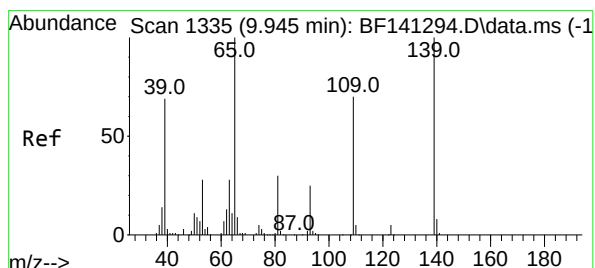
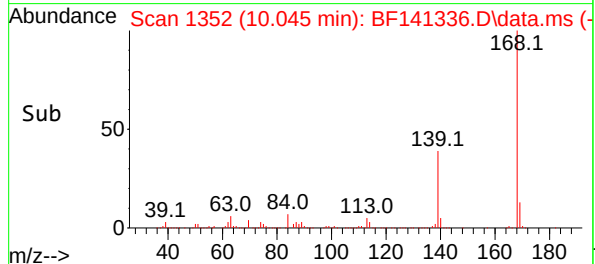
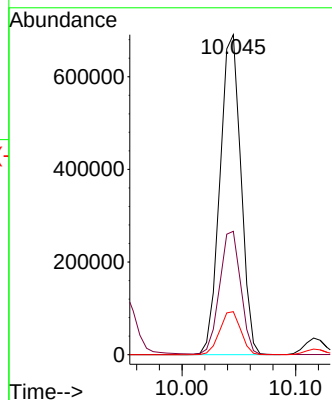
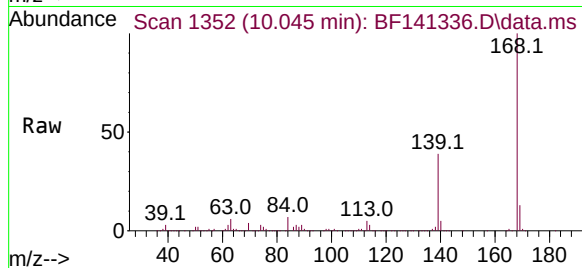
Tgt Ion:168 Resp: 887550

Ion Ratio Lower Upper

168 100

139 38.5 30.6 46.0

169 13.4 10.8 16.2



#56

4-Nitrophenol

Concen: 53.378 ng

RT: 9.951 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

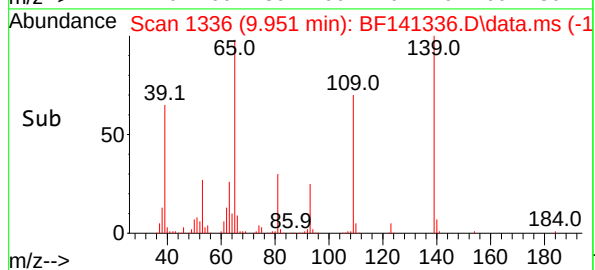
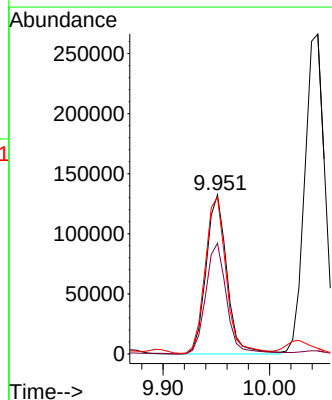
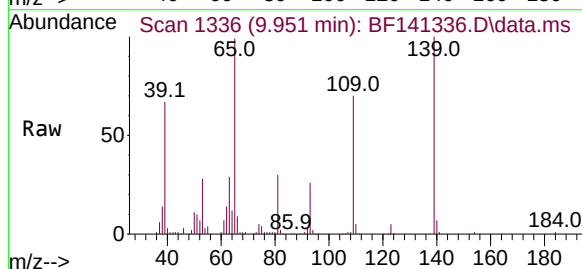
Tgt Ion:139 Resp: 179822

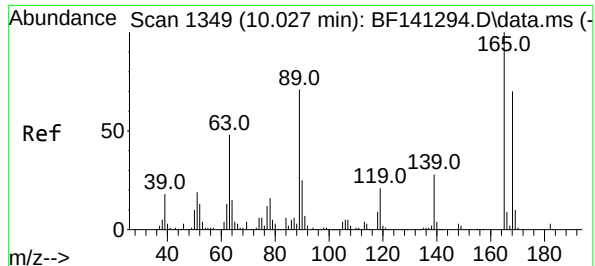
Ion Ratio Lower Upper

139 100

109 69.6 50.2 90.2

65 98.6 80.6 120.6

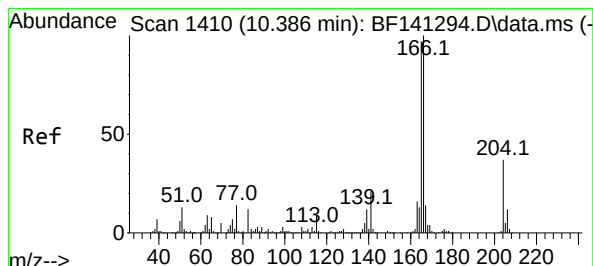
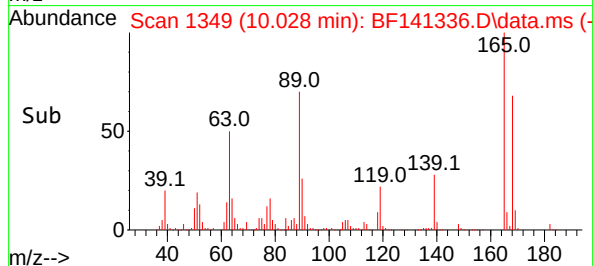
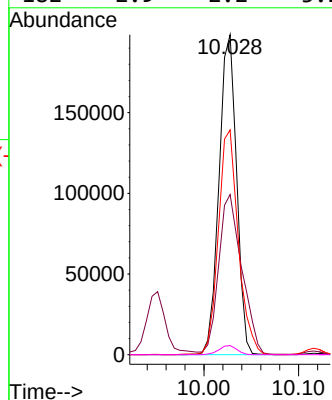
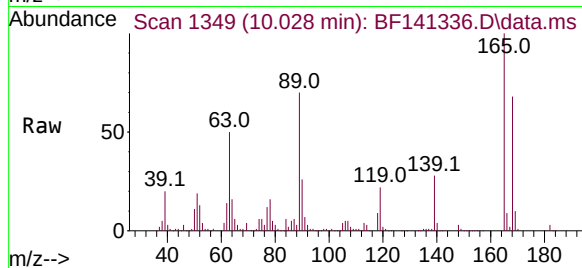




#57
2,4-Dinitrotoluene
Concen: 42.014 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

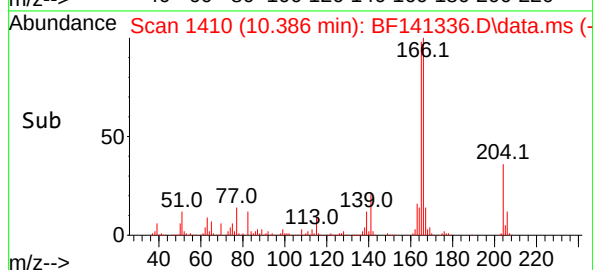
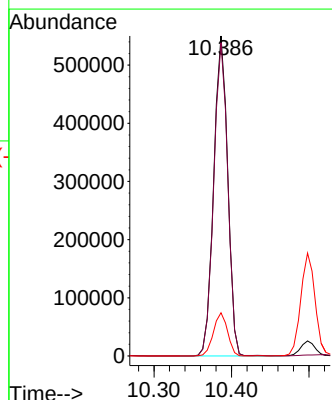
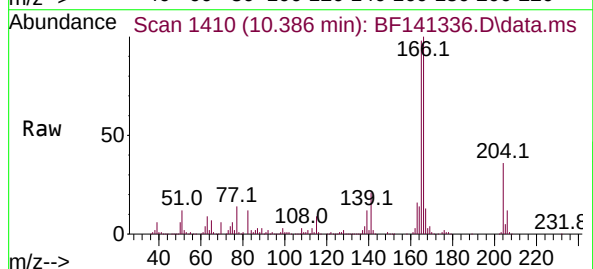
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

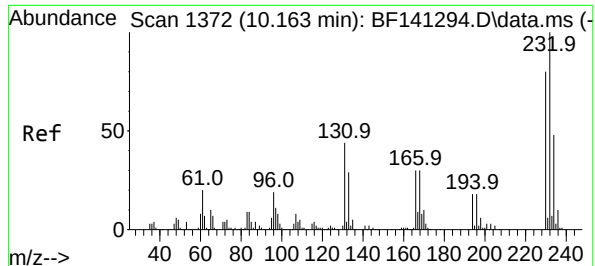
Tgt Ion:165 Resp: 255655
Ion Ratio Lower Upper
165 100
63 50.0 39.2 58.8
89 70.2 56.9 85.3
182 2.9 2.2 3.2



#58
Fluorene
Concen: 36.485 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:166 Resp: 690153
Ion Ratio Lower Upper
166 100
165 97.9 77.5 116.3
167 13.5 10.9 16.3

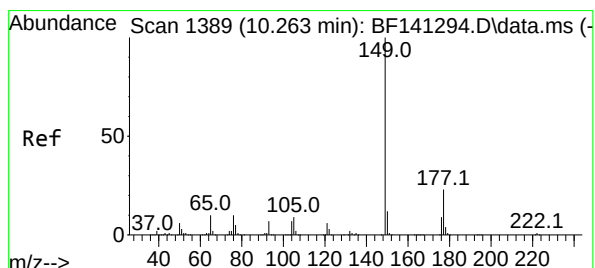
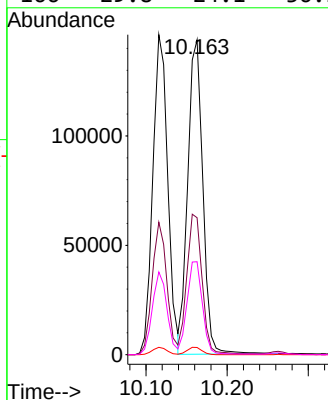
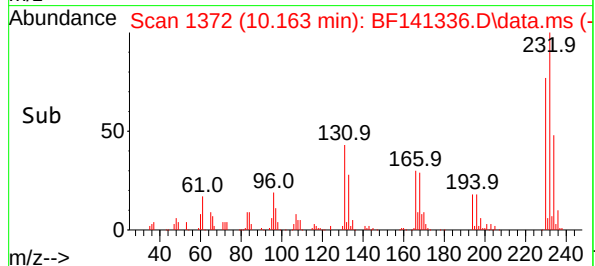
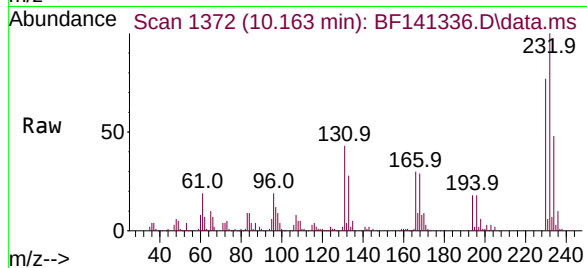




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.903 ng
RT: 10.163 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

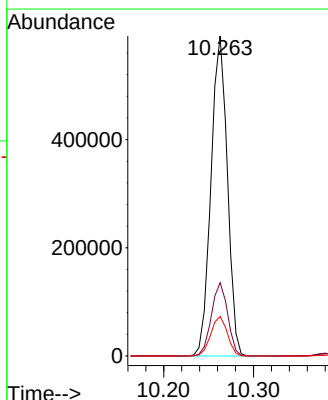
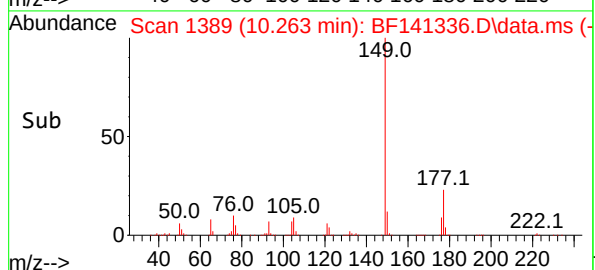
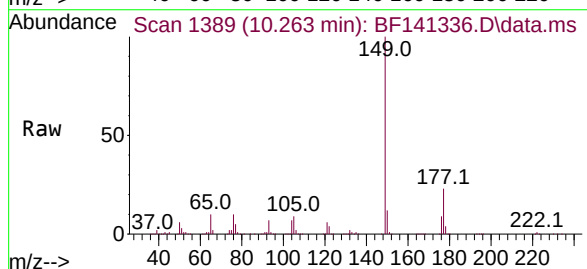
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

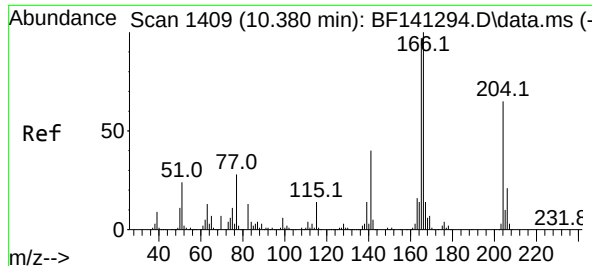
Tgt Ion:232 Resp: 185895
Ion Ratio Lower Upper
232 100
131 45.5 36.4 54.6
130 2.3 1.9 2.9
166 29.8 24.1 36.1



#60
Diethylphthalate
Concen: 38.140 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 748552
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0

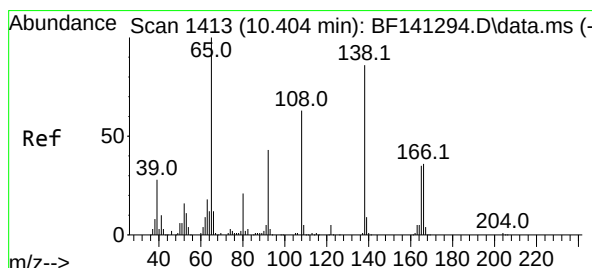
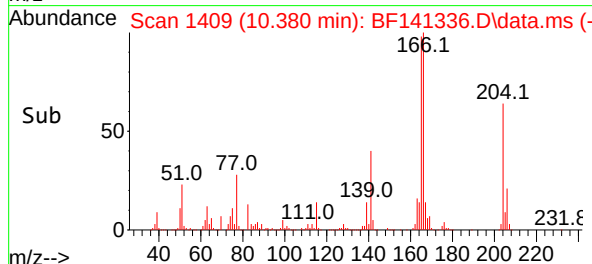
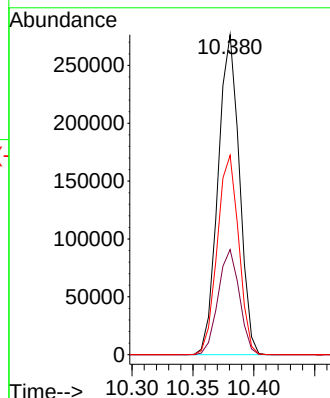
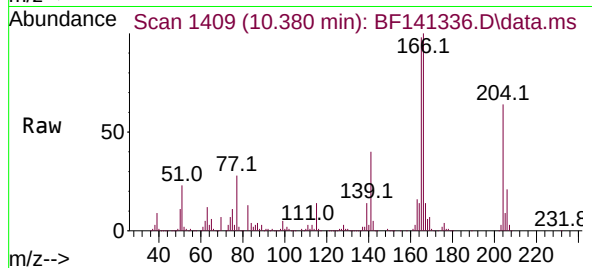




#61
4-Chlorophenyl-phenylether
Concen: 36.458 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

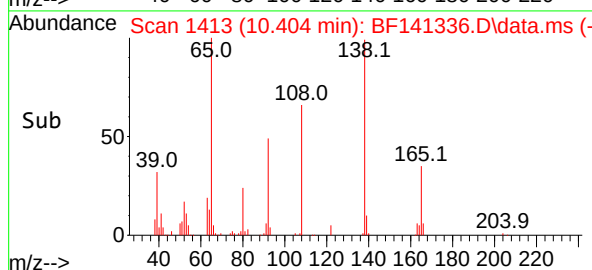
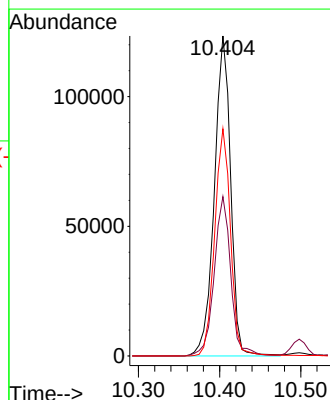
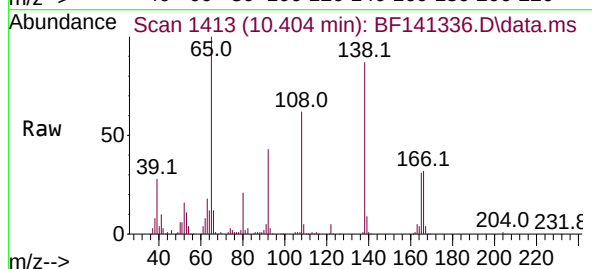
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

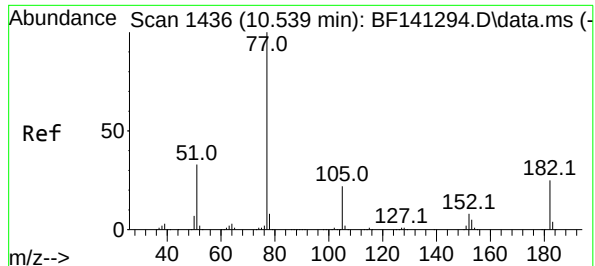
Tgt Ion:204 Resp: 336871
Ion Ratio Lower Upper
204 100
206 32.9 25.9 38.9
141 62.3 49.5 74.3



#62
4-Nitroaniline
Concen: 38.063 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:138 Resp: 172379
Ion Ratio Lower Upper
138 100
92 49.8 30.1 70.1
108 71.0 53.1 93.1

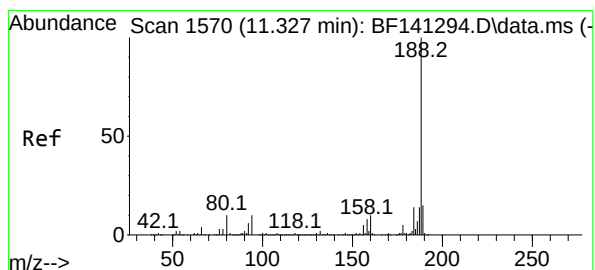
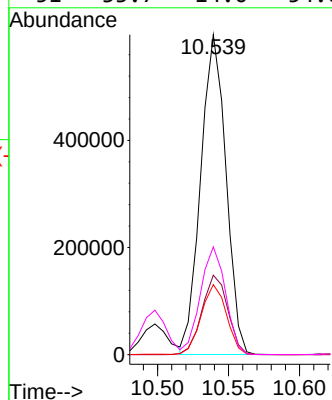
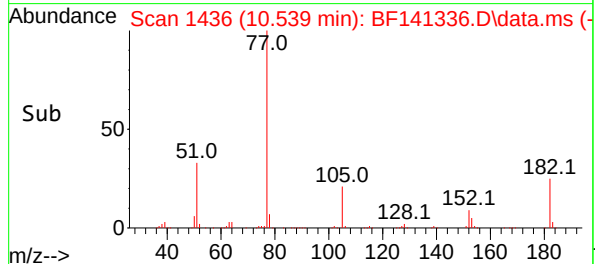
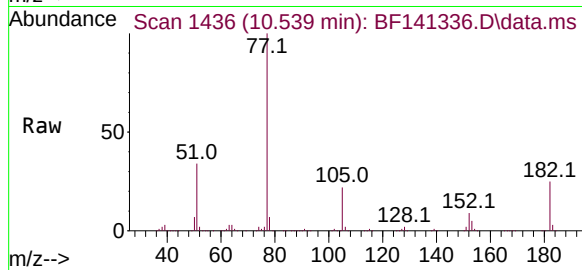




#63
Azobenzene
Concen: 37.573 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

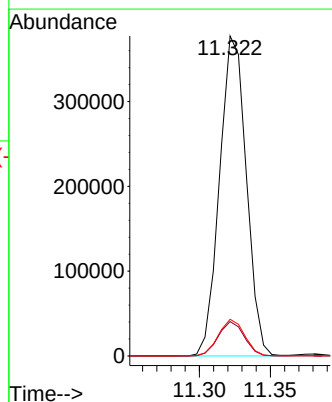
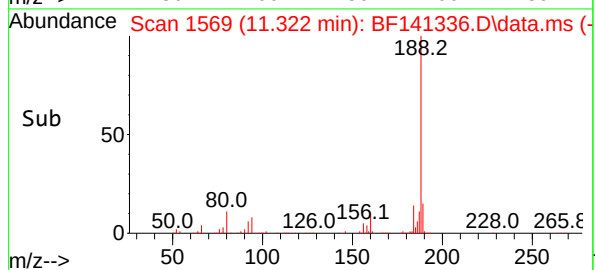
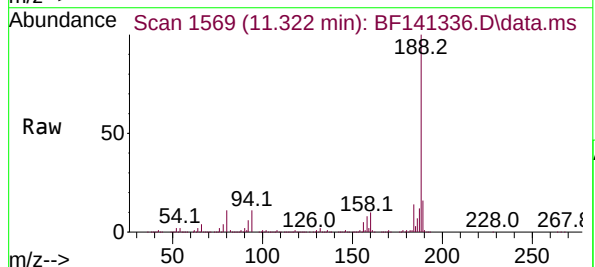
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

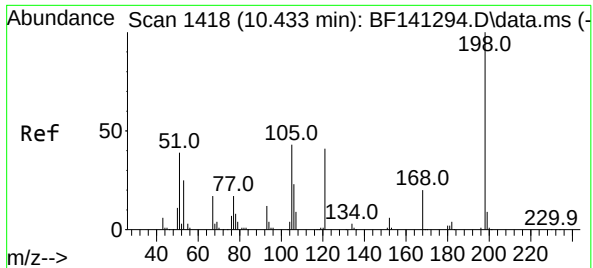
Tgt Ion: 77	Resp: 738145
Ion Ratio	Lower Upper
77 100	
182 24.8	5.1 45.1
105 21.9	1.8 41.8
51 33.7	14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:188	Resp: 493954
Ion Ratio	Lower Upper
188 100	
94 10.7	7.8 11.6
80 11.5	8.2 12.4

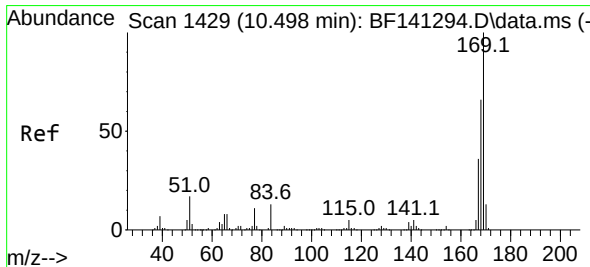
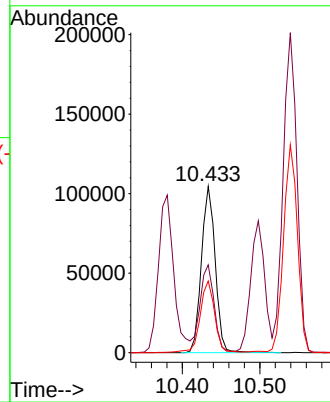
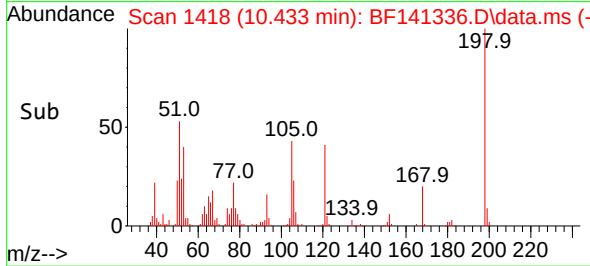
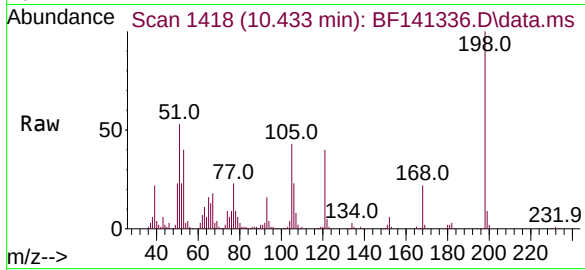




#65
4,6-Dinitro-2-methylphenol
Concen: 44.270 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

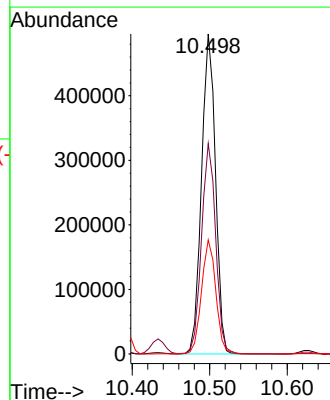
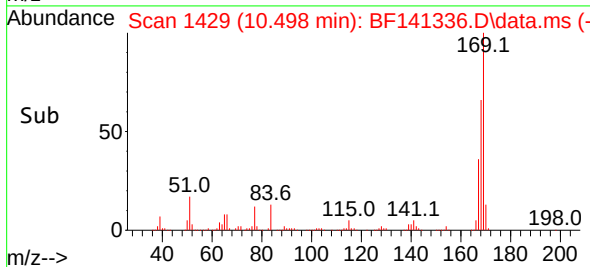
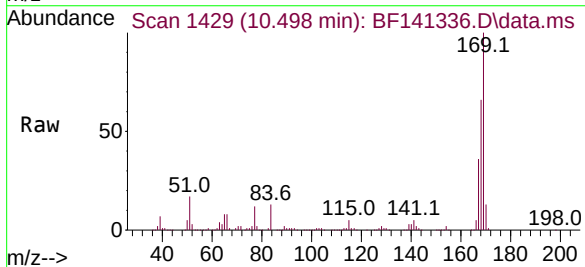
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

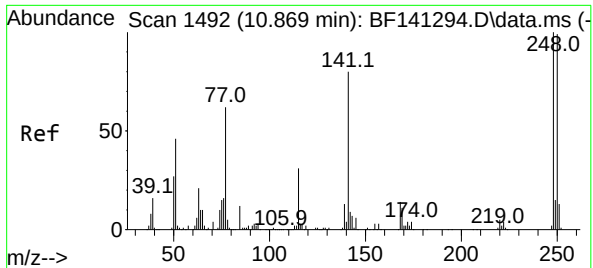
Tgt Ion:198 Resp: 129346
Ion Ratio Lower Upper
198 100
51 52.8 33.4 73.4
105 43.1 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 38.751 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:169 Resp: 619094
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 35.7 28.8 43.2

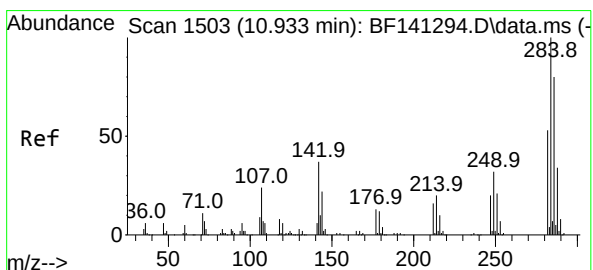
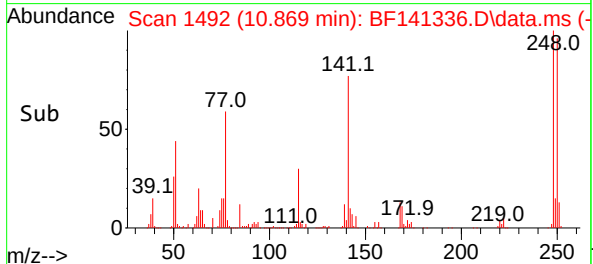
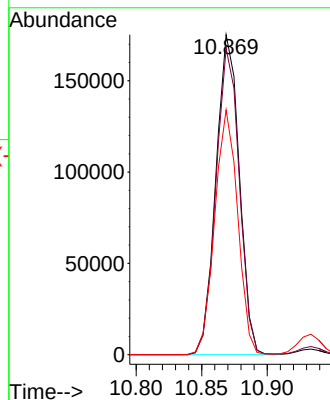
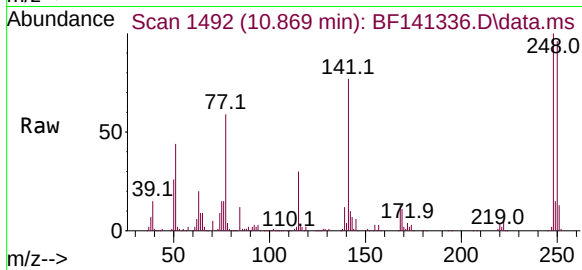




#67
4-Bromophenyl-phenylether
Concen: 39.236 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

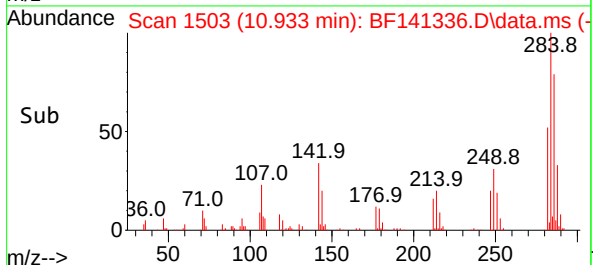
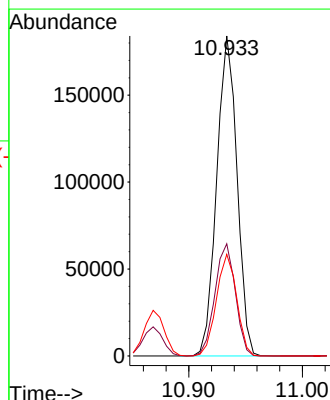
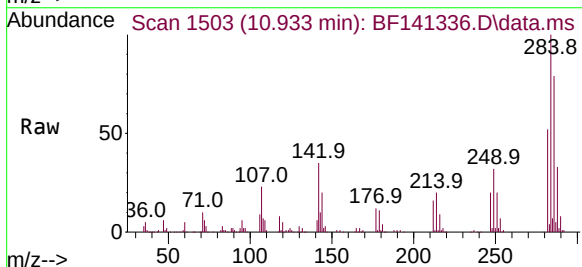
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

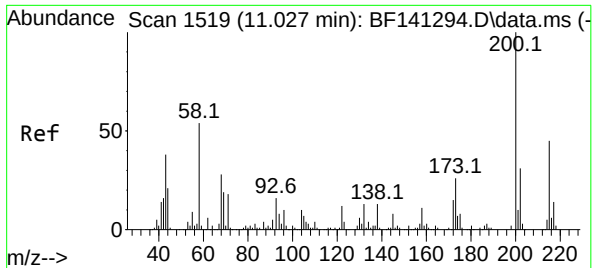
Tgt Ion:248 Resp: 216973
Ion Ratio Lower Upper
248 100
250 95.7 79.0 118.4
141 76.5 63.7 95.5



#68
Hexachlorobenzene
Concen: 38.991 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:284 Resp: 228716
Ion Ratio Lower Upper
284 100
142 35.1 29.5 44.3
249 31.7 25.4 38.2





#69

Atrazine

Concen: 33.985 ng

RT: 11.027 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

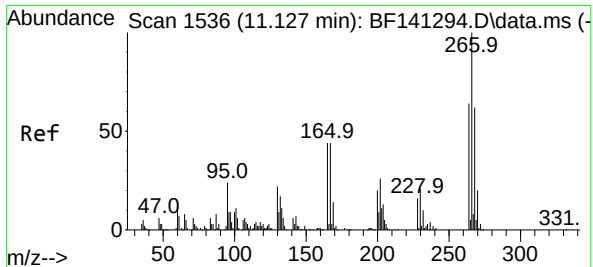
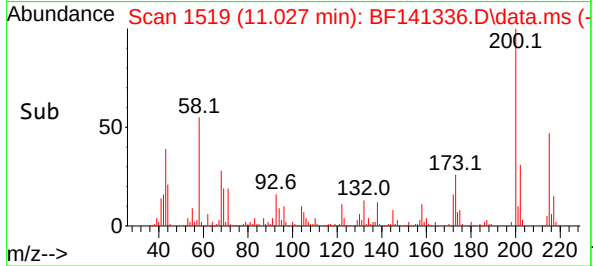
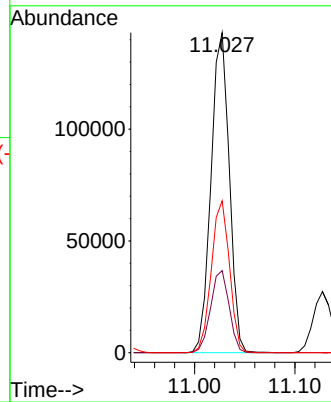
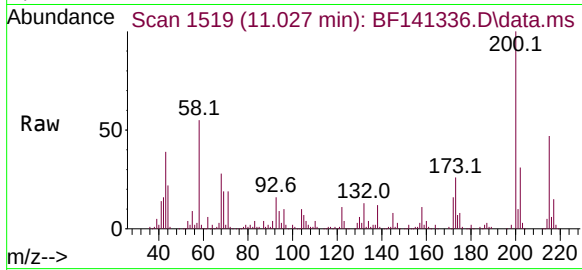
Tgt Ion:200 Resp: 181536

Ion Ratio Lower Upper

200 100

173 25.6 5.9 45.9

215 47.4 25.2 65.2



#70

Pentachlorophenol

Concen: 53.575 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

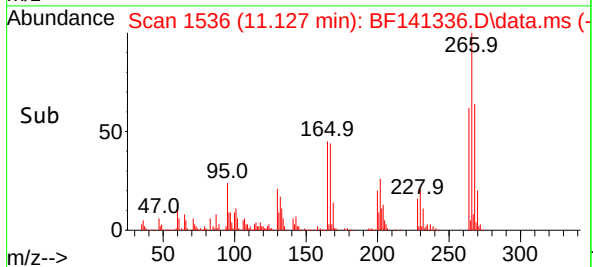
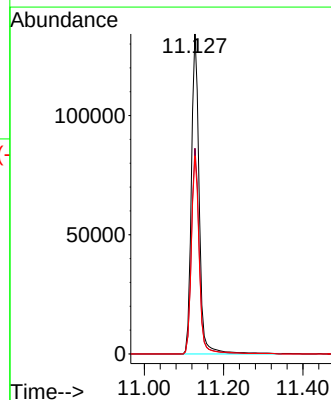
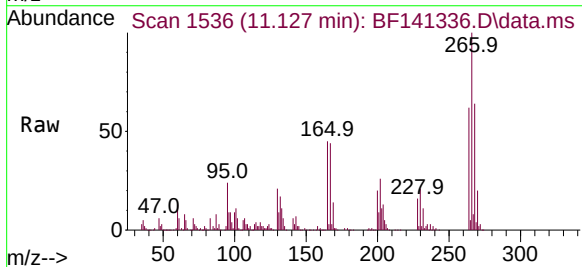
Tgt Ion:266 Resp: 184030

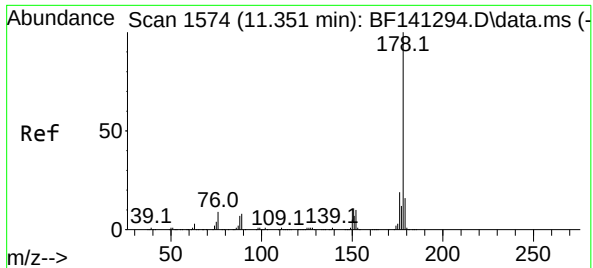
Ion Ratio Lower Upper

266 100

268 64.3 49.9 74.9

264 61.9 51.0 76.4





#71

Phenanthrene

Concen: 37.819 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

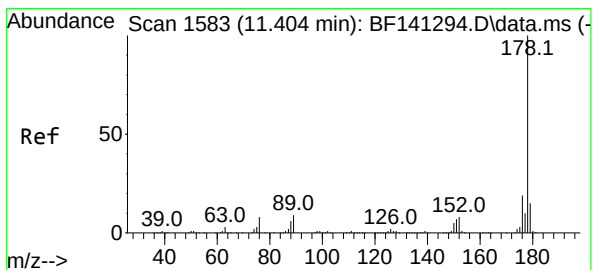
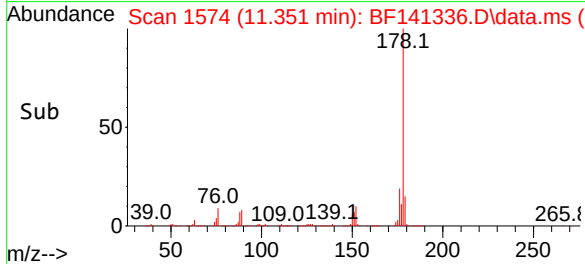
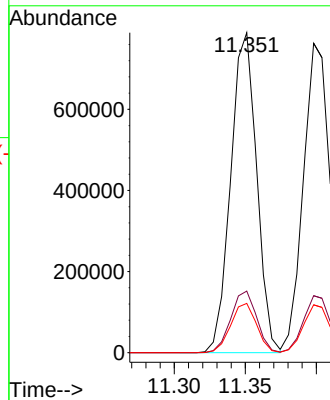
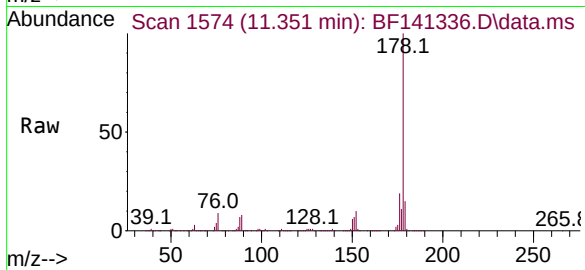
BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 1004184

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.5	18.7



#72

Anthracene

Concen: 37.948 ng

RT: 11.398 min Scan# 1582

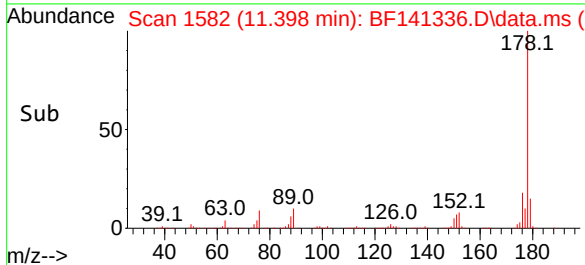
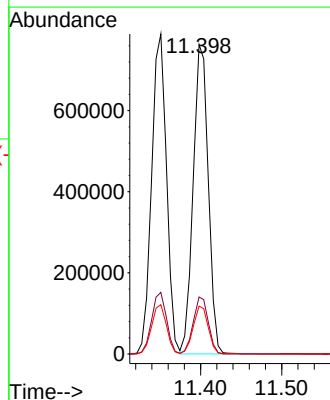
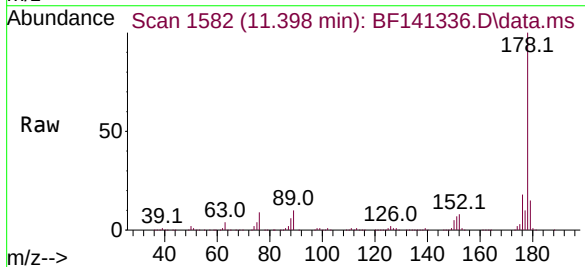
Delta R.T. -0.006 min

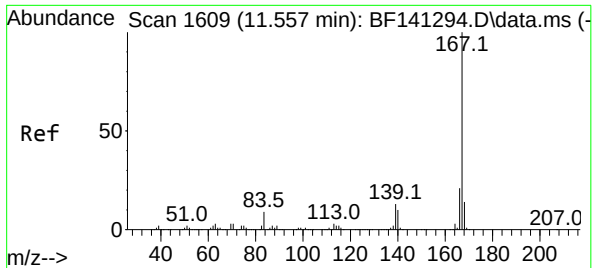
Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Tgt Ion:178 Resp: 987277

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.6
179	15.5	12.3	18.5

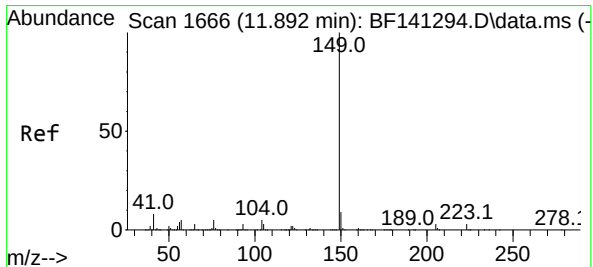
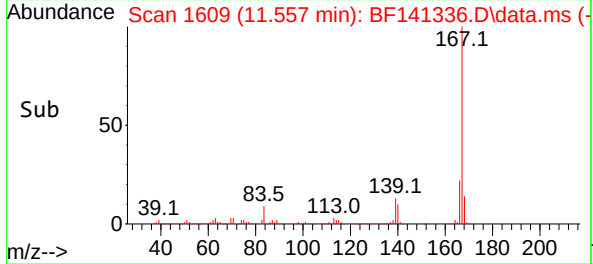
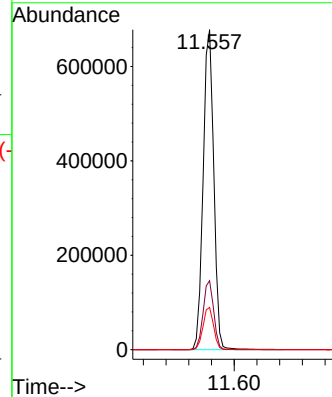
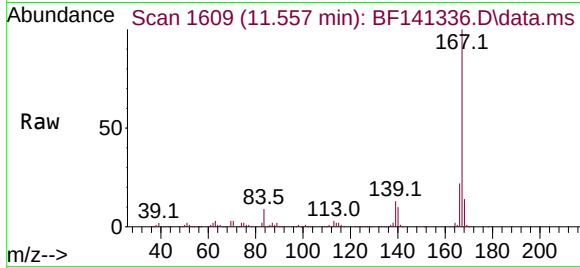




#73
Carbazole
Concen: 38.220 ng
RT: 11.557 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

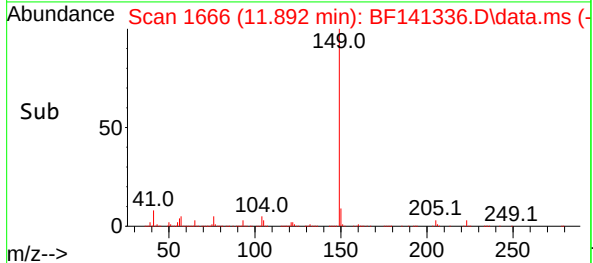
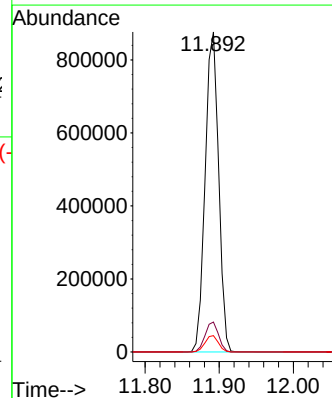
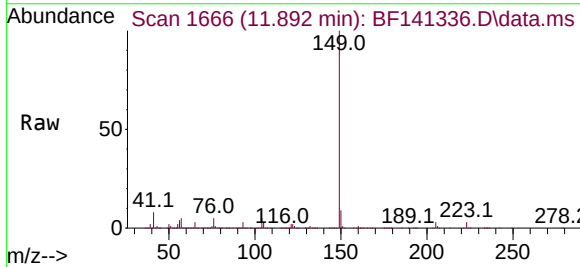
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

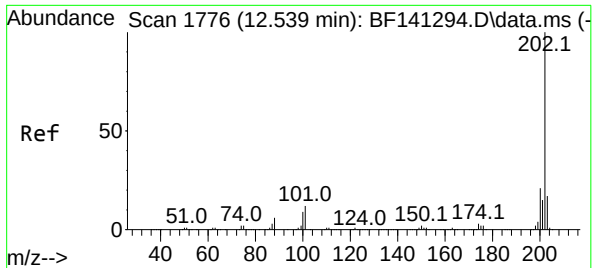
Tgt Ion:167 Resp: 881695
Ion Ratio Lower Upper
167 100
166 21.6 17.0 25.6
139 13.2 10.6 16.0



#74
Di-n-butylphthalate
Concen: 39.444 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:149 Resp: 1102750
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 5.1 3.9 5.9

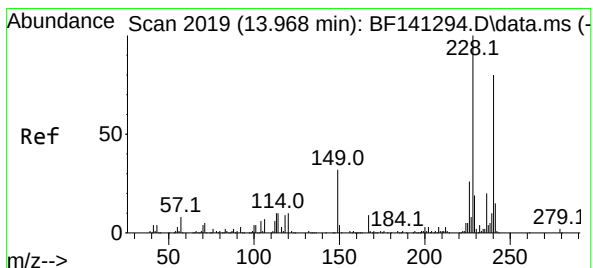
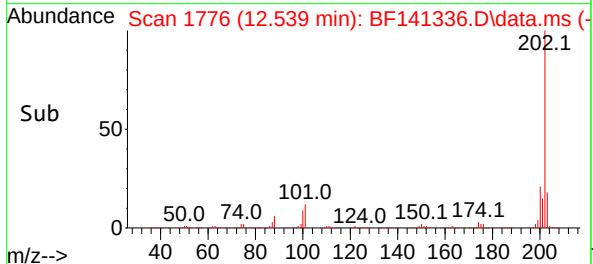
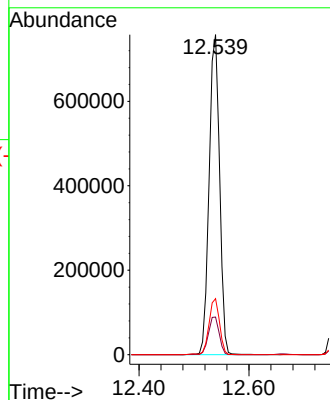
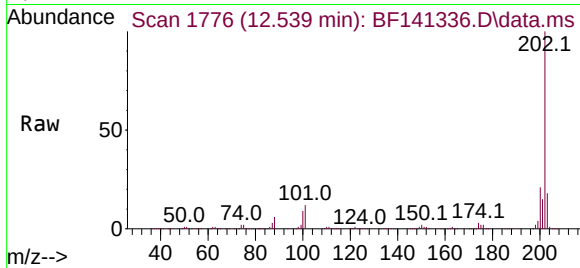




#75
Fluoranthene
Concen: 38.098 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

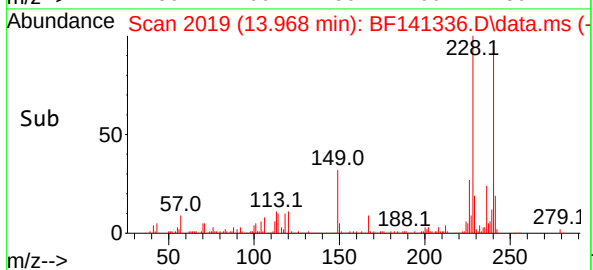
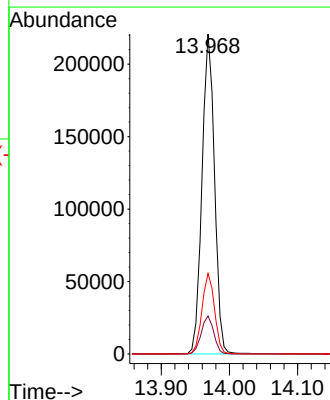
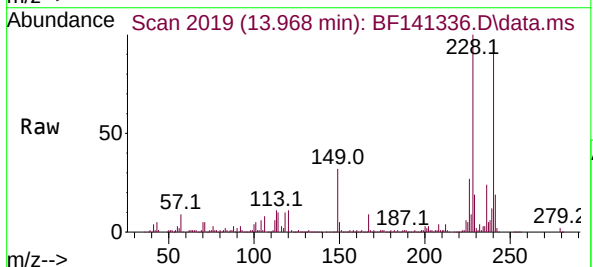
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

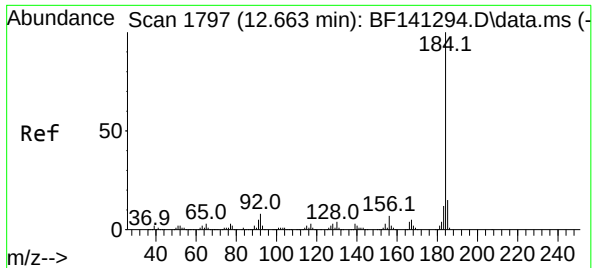
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	25.1	19.7	29.5

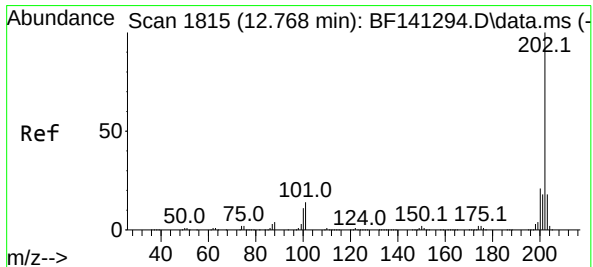
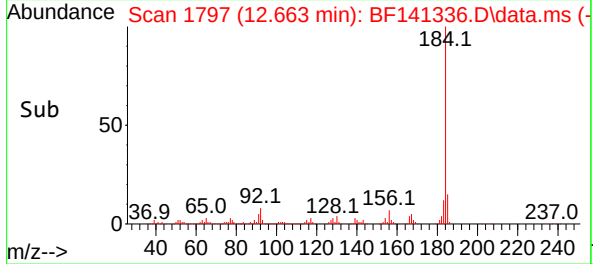
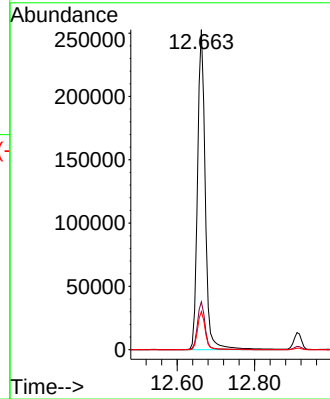
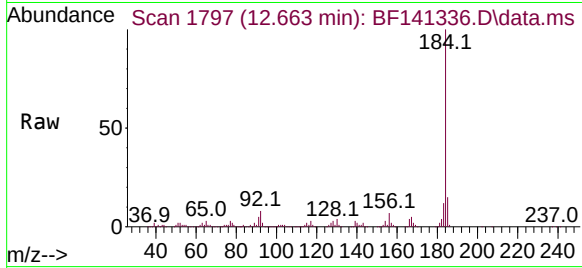




#77
Benzidine
Concen: 38.664 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

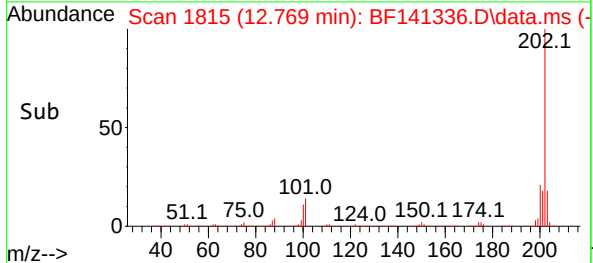
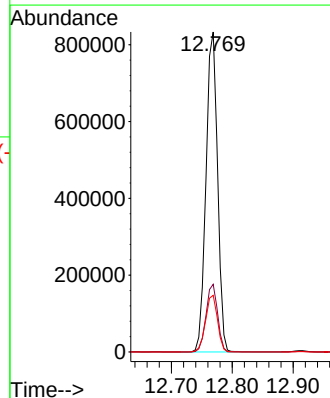
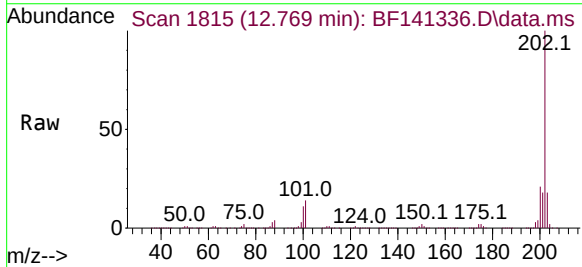
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

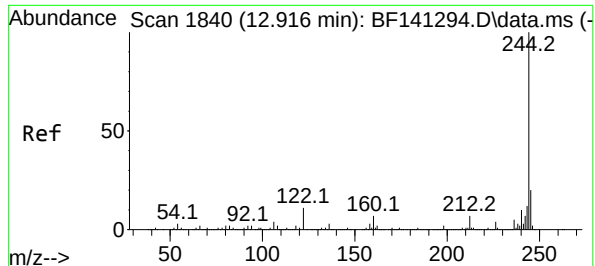
Tgt Ion:184 Resp: 349084
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 11.9 9.5 14.3



#78
Pyrene
Concen: 40.606 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:202 Resp: 1097741
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 72.583 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

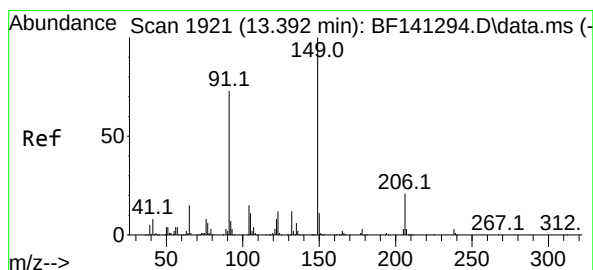
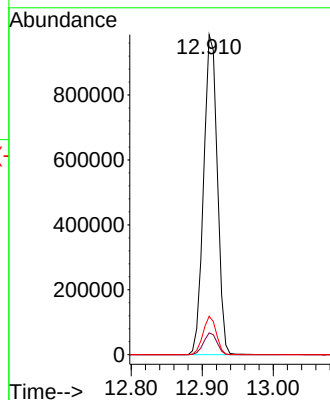
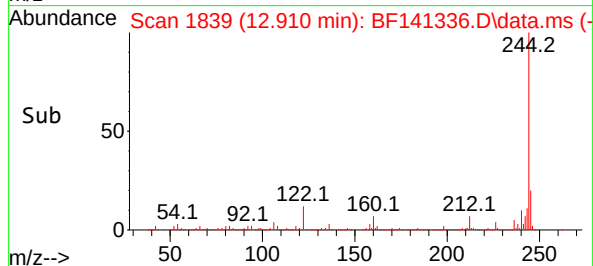
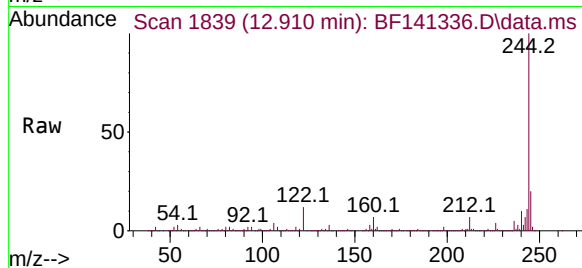
Tgt Ion:244 Resp: 1325492

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 12.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 39.103 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

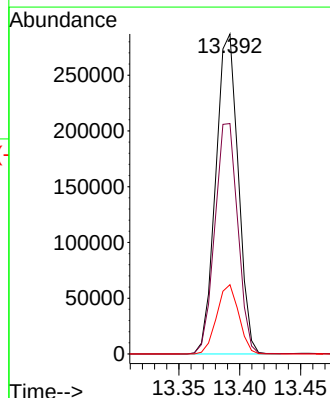
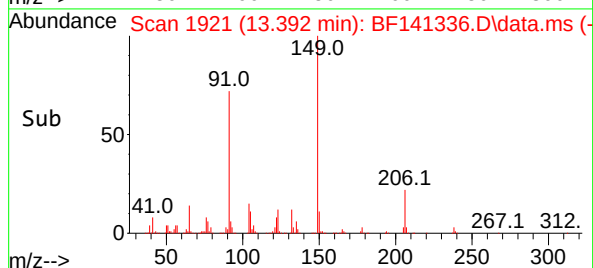
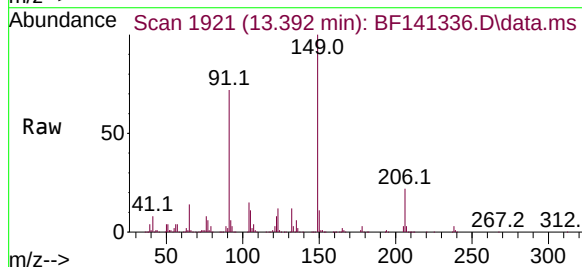
Tgt Ion:149 Resp: 369304

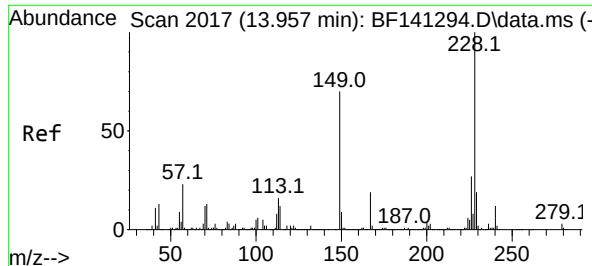
Ion Ratio Lower Upper

149 100

91 72.0 58.6 87.8

206 21.7 16.7 25.1





#81

Benzo(a)anthracene

Concen: 34.223 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

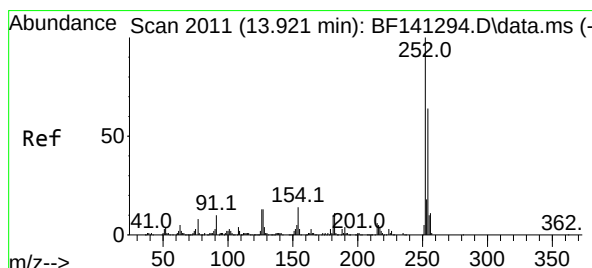
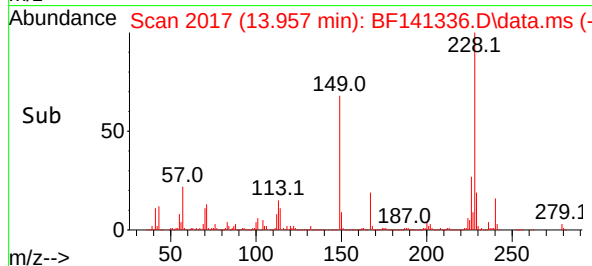
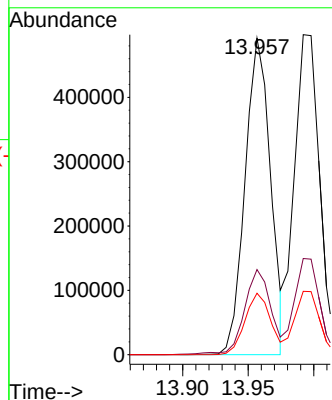
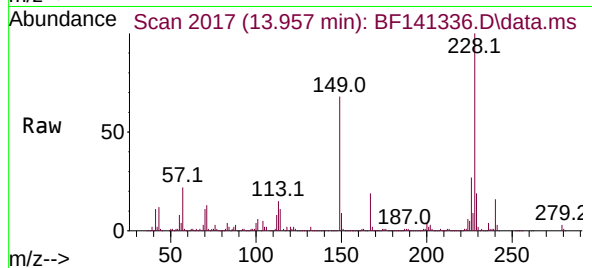
Tgt Ion:228 Resp: 665086

Ion Ratio Lower Upper

228 100

226 26.9 21.4 32.2

229 19.4 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 36.200 ng

RT: 13.921 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

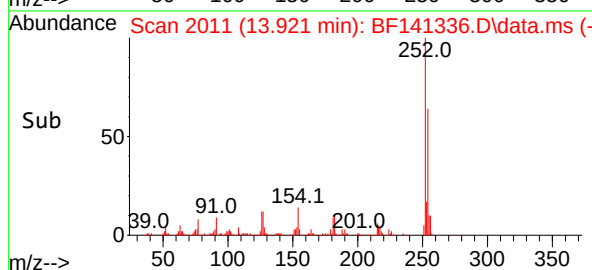
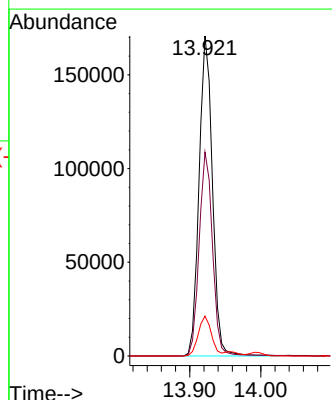
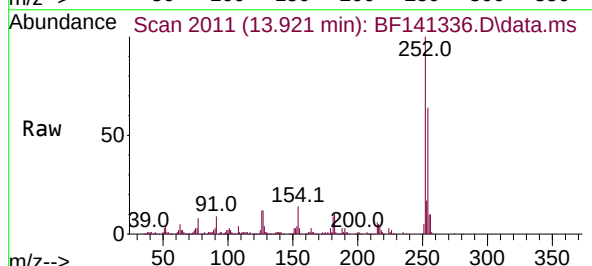
Tgt Ion:252 Resp: 223750

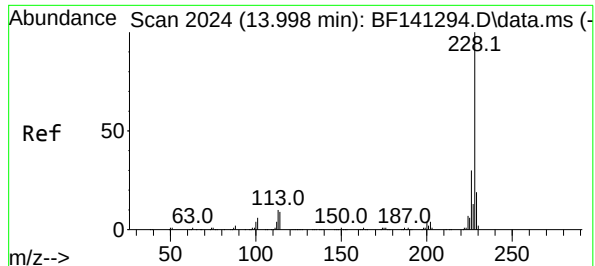
Ion Ratio Lower Upper

252 100

254 63.7 51.3 76.9

126 12.5 10.0 15.0





#83

Chrysene

Concen: 37.287 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

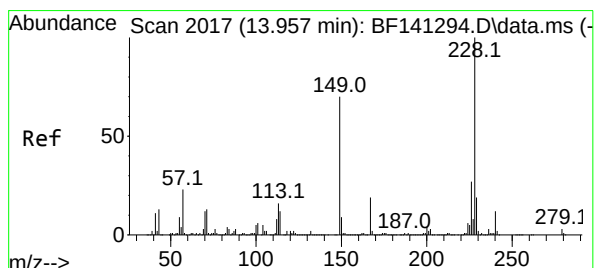
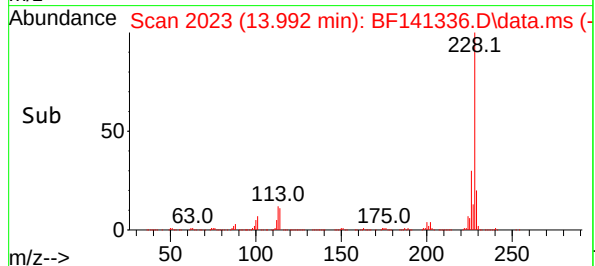
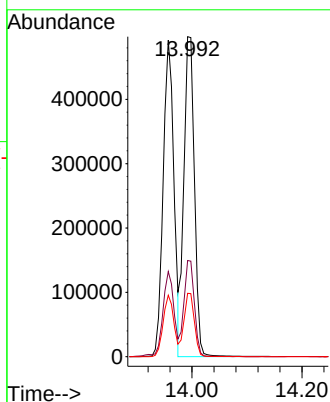
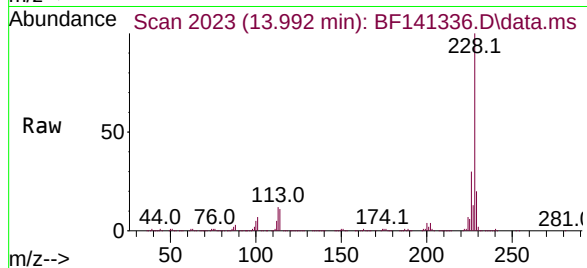
Tgt Ion:228 Resp: 664102

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.8 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.304 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

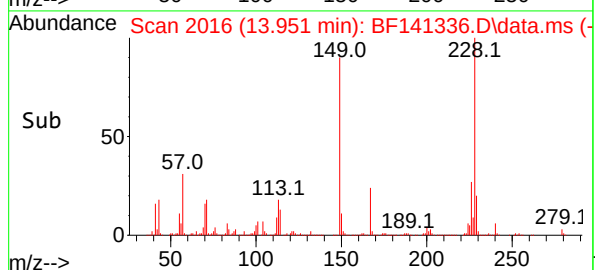
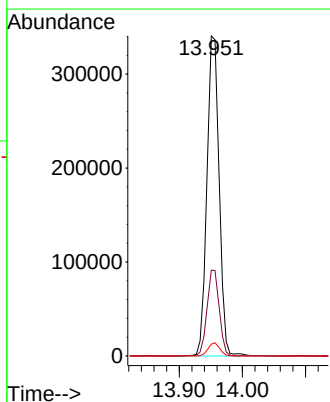
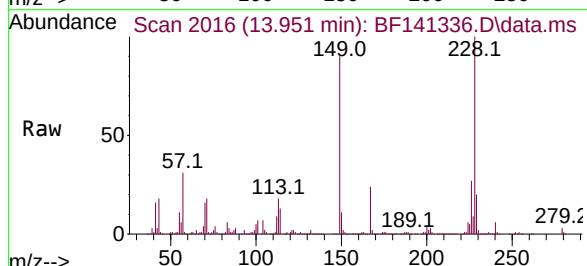
Tgt Ion:149 Resp: 458911

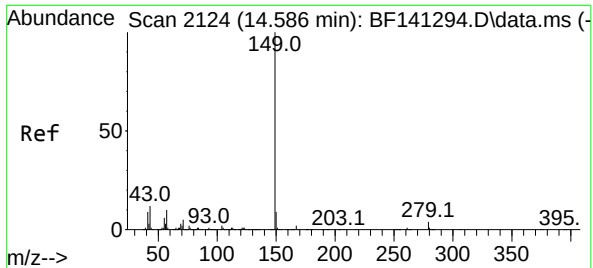
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

279 3.7 3.3 4.9

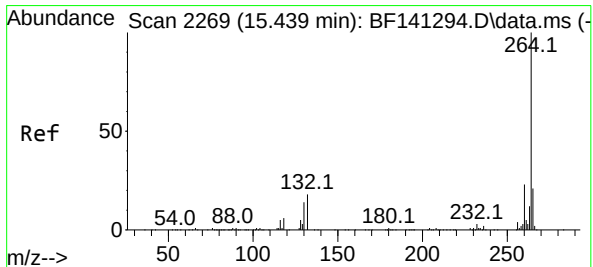
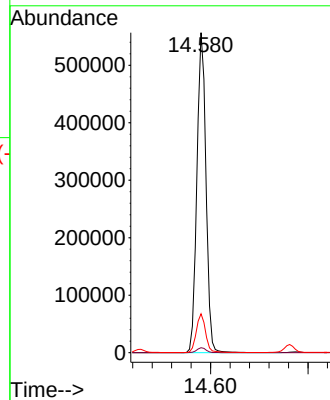
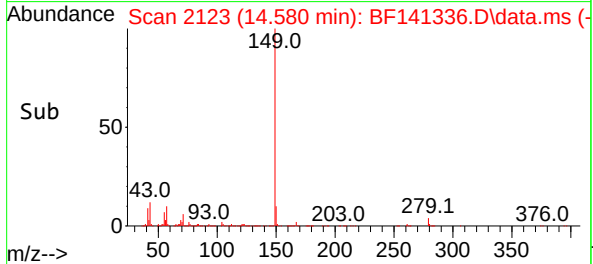
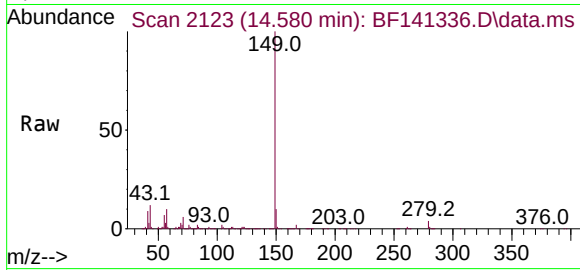




#85
Di-n-octyl phthalate
Concen: 38.886 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

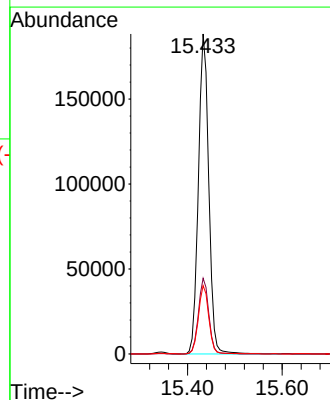
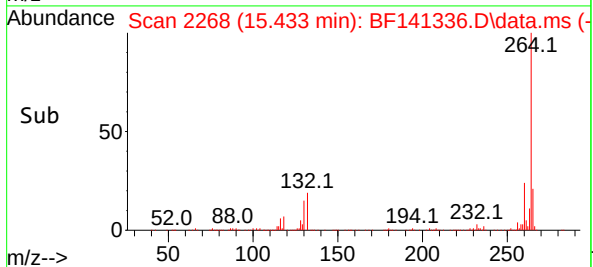
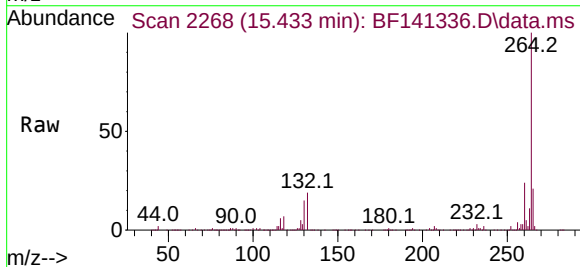
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

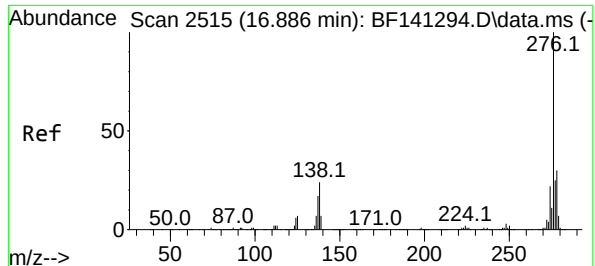
Tgt Ion:149 Resp: 723593
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.4 9.8 14.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:264 Resp: 286623
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 21.4 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.376 ng

RT: 16.886 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF141336.D

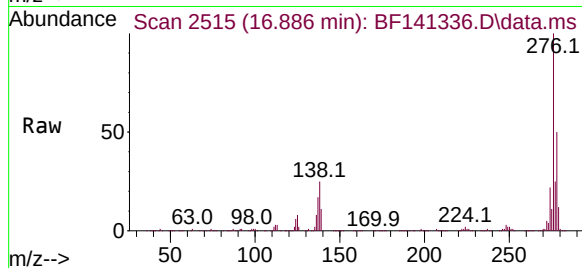
Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



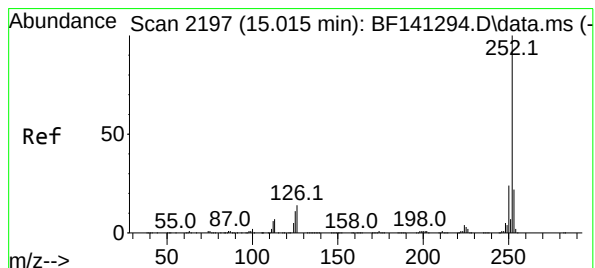
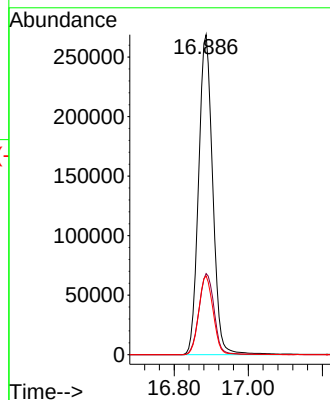
Tgt Ion:276 Resp: 709942

Ion Ratio Lower Upper

276 100

138 27.3 21.7 32.5

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 37.149 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

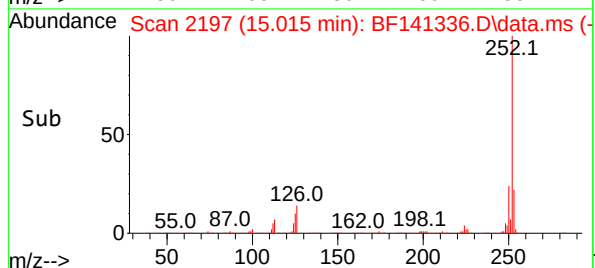
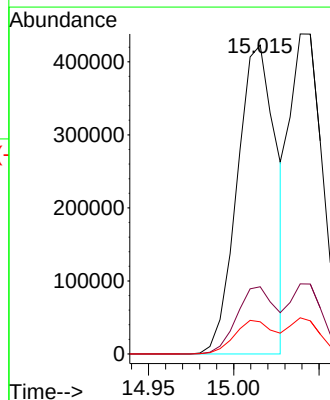
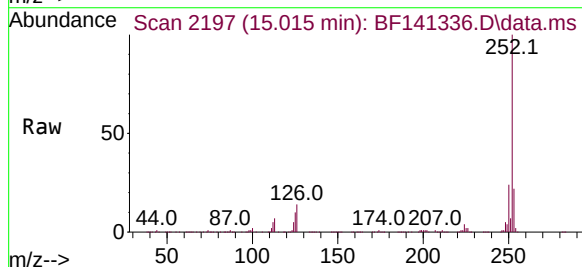
Tgt Ion:252 Resp: 669775

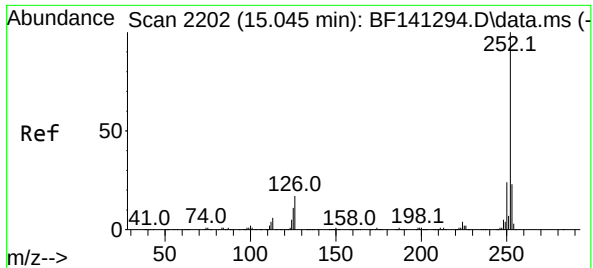
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.413 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

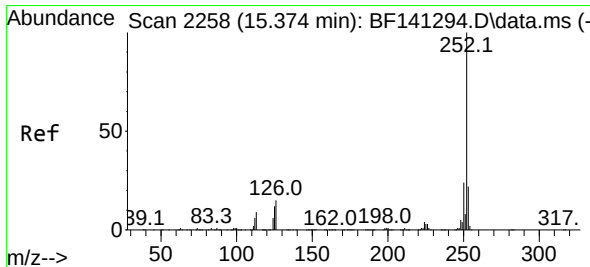
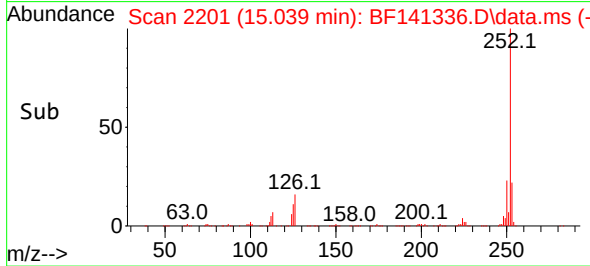
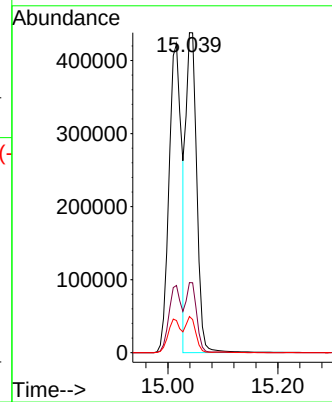
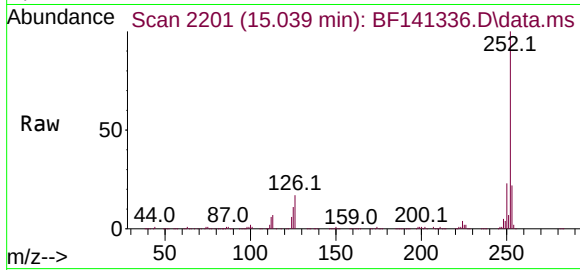
Tgt Ion:252 Resp: 597549

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.3 8.4 12.6



#90

Benzo(a)pyrene

Concen: 37.294 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141336.D

Acq: 31 Jan 2025 17:19

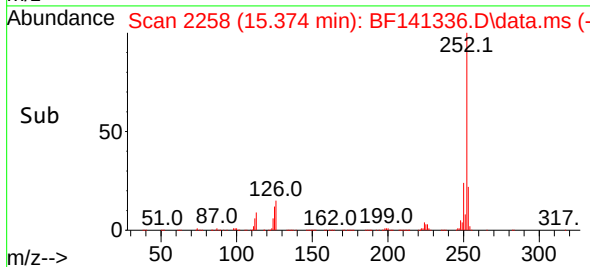
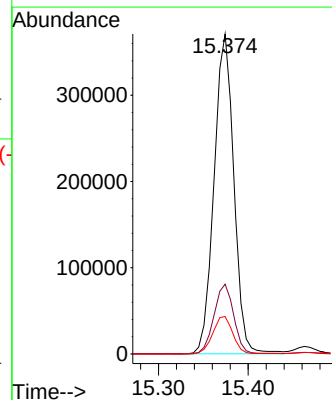
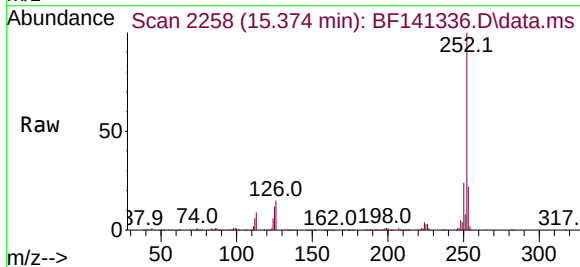
Tgt Ion:252 Resp: 568194

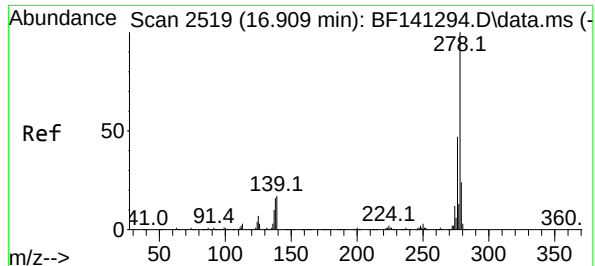
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 11.7 9.4 14.2

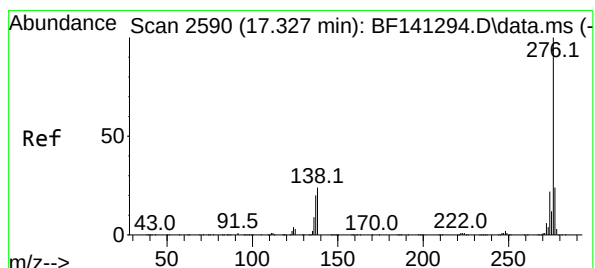
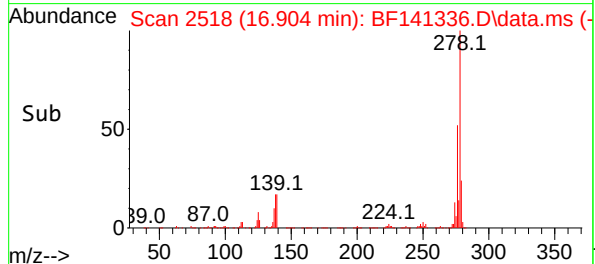
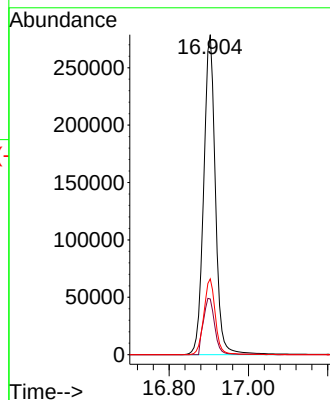
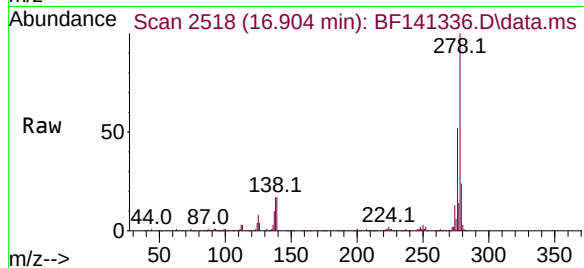




#91
Dibenzo(a,h)anthracene
Concen: 38.458 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.018 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

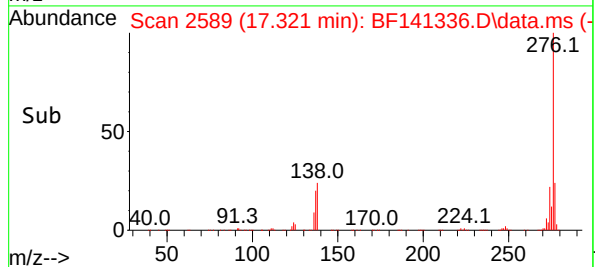
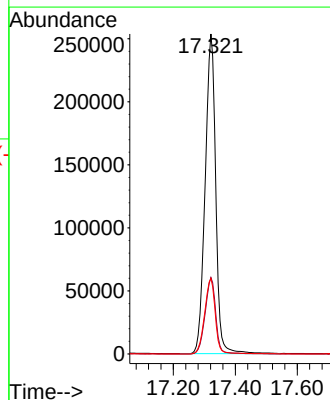
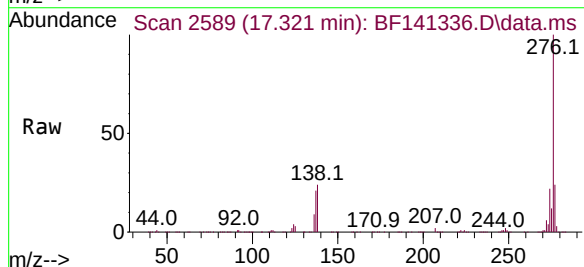
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 572387
Ion Ratio Lower Upper
278 100
139 17.4 13.9 20.9
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 38.883 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.024 min
Lab File: BF141336.D
Acq: 31 Jan 2025 17:19

Tgt Ion:276 Resp: 601743
Ion Ratio Lower Upper
276 100
277 23.9 19.2 28.8
138 23.6 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.573	0.545	4.9	104	0.00
3	Pyridine	1.380	1.326	3.9	103	-0.02
4	n-Nitrosodimethylamine	0.789	0.750	4.9	102	-0.04
5 S	2-Fluorophenol	1.303	1.218	6.5	104	-0.01
6	Aniline	1.403	1.344	4.2	101	-0.01
7 S	Phenol-d6	1.657	1.534	7.4	104	-0.01
8	2-Chlorophenol	1.396	1.307	6.4	103	-0.01
9	Benzaldehyde	0.960	0.972	-1.3	111	0.00
10 C	Phenol	1.757	1.652	6.0	103	-0.01
11	bis(2-Chloroethyl)ether	1.347	1.267	5.9	106	-0.01
12	1,3-Dichlorobenzene	1.540	1.440	6.5	103	0.00
13 C	1,4-Dichlorobenzene	1.547	1.436	7.2	103	0.00
14	1,2-Dichlorobenzene	1.448	1.350	6.8	103	0.00
15	Benzyl Alcohol	1.133	1.101	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.342	2.199	6.1	103	0.00
17	2-Methylphenol	1.135	1.062	6.4	105	0.00
18	Hexachloroethane	0.571	0.536	6.1	104	0.00
19 P	n-Nitroso-di-n-propylamine	0.985	0.946	4.0	108	-0.01
20	3+4-Methylphenols	1.393	1.318	5.4	105	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22	Acetophenone	0.475	0.424	10.7	102	0.00
23 S	Nitrobenzene-d5	0.379	0.348	8.2	103	0.00
24	Nitrobenzene	0.393	0.365	7.1	103	-0.01
25	Isophorone	0.656	0.622	5.2	107	0.00
26 C	2-Nitrophenol	0.185	0.175	5.4	104	0.00
27	2,4-Dimethylphenol	0.236	0.224	5.1	105	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.386	7.7	104	0.00
29 C	2,4-Dichlorophenol	0.289	0.272	5.9	105	0.00
30	1,2,4-Trichlorobenzene	0.330	0.299	9.4	103	0.00
31	Naphthalene	1.057	0.966	8.6	104	0.00
32	Benzoic acid	0.217	0.226	-4.1	107	-0.04
33	4-Chloroaniline	0.358	0.329	8.1	102	0.00
34 C	Hexachlorobutadiene	0.194	0.179	7.7	105	0.00
35	Caprolactam	0.094	0.091	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	0.310	0.341	-10.0	124	0.00
37	2-Methylnaphthalene	0.672	0.618	8.0	104	0.00
38	1-Methylnaphthalene	0.660	0.605	8.3	105	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	0.569	0.515	9.5	102	0.00
41 P	Hexachlorocyclopentadiene	0.168	0.159	5.4	98	0.00
42 S	2,4,6-Tribromophenol	0.183	0.177	3.3	108	0.00
43 C	2,4,6-Trichlorophenol	0.372	0.365	1.9	106	0.00
44	2,4,5-Trichlorophenol	0.405	0.381	5.9	107	0.00
45 S	2-Fluorobiphenyl	1.299	1.148	11.6	103	0.00
46	1,1'-Biphenyl	1.560	1.427	8.5	104	0.00
47	2-Chloronaphthalene	1.216	1.102	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.366	4.2	107	0.00
49	Acenaphthylene	1.702	1.577	7.3	105	0.00
50	Dimethylphthalate	1.351	1.290	4.5	110	0.00
51	2,6-Dinitrotoluene	0.314	0.300	4.5	107	0.00
52 C	Acenaphthene	1.216	1.127	7.3	106	0.00
53	3-Nitroaniline	0.307	0.292	4.9	102	0.00
54 P	2,4-Dinitrophenol	0.146	0.150	-2.7	108	0.00
55	Dibenzofuran	1.627	1.481	9.0	103	0.00
56 P	4-Nitrophenol	0.225	0.300	-33.3#	142	0.00
57	2,4-Dinitrotoluene	0.406	0.427	-5.2	117	0.00
58	Fluorene	1.262	1.151	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	0.319	0.310	2.8	108	0.00
60	Diethylphthalate	1.310	1.249	4.7	108	0.00
61	4-Chlorophenyl-phenylether	0.617	0.562	8.9	105	0.00
62	4-Nitroaniline	0.302	0.288	4.6	105	-0.01
63	Azobenzene	1.311	1.231	6.1	107	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.118	0.131	-11.0	113	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.627	3.1	108	0.00
67	4-Bromophenyl-phenylether	0.224	0.220	1.8	109	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	109	0.00
69	Atrazine	0.216	0.184	14.8	93	0.00
70 C	Pentachlorophenol	0.139	0.186	-33.8#	140	0.00
71	Phenanthrene	1.075	1.016	5.5	107	0.00
72	Anthracene	1.053	0.999	5.1	107	0.00
73	Carbazole	0.934	0.892	4.5	107	0.00
74	Di-n-butylphthalate	1.132	1.116	1.4	111	0.00
75 C	Fluoranthene	1.062	1.011	4.8	108	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77	Benzidine	0.641	0.620	3.3	92	0.00
78	Pyrene	1.920	1.949	-1.5	120	0.00
79 S	Terphenyl-d14	1.297	1.177	9.3	108	0.00
80	Butylbenzylphthalate	0.671	0.656	2.2	113	0.00
81	Benzo(a)anthracene	1.380	1.181	14.4	100	0.00
82	3,3'-Dichlorobenzidine	0.439	0.397	9.6	103	0.00
83	Chrysene	1.265	1.179	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.815	4.2	112	0.00
85 c	Di-n-octyl phthalate	1.321	1.285	2.7	113	0.00
86 I	Perylene-d12	1.000	1.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	1.291	1.238	4.1	101	-0.01
88	Benzo(b)fluoranthene	1.258	1.168	7.2	107	0.00
89	Benzo(k)fluoranthene	1.114	1.042	6.5	99	-0.01
90 C	Benzo(a)pyrene	1.063	0.991	6.8	101	0.00
91	Dibenzo(a,h)anthracene	1.039	0.999	3.8	101	-0.02
92	Benzo(g,h,i)perylene	1.080	1.050	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	38.066	4.8	104	0.00
3	Pyridine	40.000	38.429	3.9	103	-0.02
4	n-Nitrosodimethylamine	40.000	38.050	4.9	102	-0.04
5 S	2-Fluorophenol	80.000	74.803	6.5	104	-0.01
6	Aniline	40.000	38.328	4.2	101	-0.01
7 S	Phenol-d6	80.000	74.066	7.4	104	-0.01
8	2-Chlorophenol	40.000	37.432	6.4	103	-0.01
9	Benzaldehyde	40.000	40.484	-1.2	111	0.00
10 C	Phenol	40.000	37.622	5.9	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	37.636	5.9	106	-0.01
12	1,3-Dichlorobenzene	40.000	37.423	6.4	103	0.00
13 C	1,4-Dichlorobenzene	40.000	37.151	7.1	103	0.00
14	1,2-Dichlorobenzene	40.000	37.272	6.8	103	0.00
15	Benzyl Alcohol	40.000	38.880	2.8	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.552	6.1	103	0.00
17	2-Methylphenol	40.000	37.434	6.4	105	0.00
18	Hexachloroethane	40.000	37.585	6.0	104	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.424	3.9	108	-0.01
20	3+4-Methylphenols	40.000	37.845	5.4	105	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22	Acetophenone	40.000	35.678	10.8	102	0.00
23 S	Nitrobenzene-d5	80.000	73.308	8.4	103	0.00
24	Nitrobenzene	40.000	37.116	7.2	103	-0.01
25	Isophorone	40.000	37.934	5.2	107	0.00
26 C	2-Nitrophenol	40.000	37.762	5.6	104	0.00
27	2,4-Dimethylphenol	40.000	37.999	5.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.955	7.6	104	0.00
29 C	2,4-Dichlorophenol	40.000	37.608	6.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	36.214	9.5	103	0.00
31	Naphthalene	40.000	36.561	8.6	104	0.00
32	Benzoic acid	40.000	41.698	-4.2	107	-0.04
33	4-Chloroaniline	40.000	36.719	8.2	102	0.00
34 C	Hexachlorobutadiene	40.000	37.021	7.4	105	0.00
35	Caprolactam	40.000	38.705	3.2	108	-0.02
36 C	4-Chloro-3-methylphenol	40.000	43.991	-10.0	124	0.00
37	2-Methylnaphthalene	40.000	36.818	8.0	104	0.00
38	1-Methylnaphthalene	40.000	36.681	8.3	105	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	36.224	9.4	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.949	5.1	98	0.00
42 S	2,4,6-Tribromophenol	80.000	77.122	3.6	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.199	2.0	106	0.00
44	2,4,5-Trichlorophenol	40.000	37.608	6.0	107	0.00
45 S	2-Fluorobiphenyl	80.000	70.690	11.6	103	0.00
46	1,1'-Biphenyl	40.000	36.585	8.5	104	0.00
47	2-Chloronaphthalene	40.000	36.251	9.4	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141336.D
 Acq On : 31 Jan 2025 17:19
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	38.330	4.2	107	0.00
49	Acenaphthylene	40.000	37.073	7.3	105	0.00
50	Dimethylphthalate	40.000	38.200	4.5	110	0.00
51	2,6-Dinitrotoluene	40.000	38.268	4.3	107	0.00
52 C	Acenaphthene	40.000	37.066	7.3	106	0.00
53	3-Nitroaniline	40.000	37.936	5.2	102	0.00
54 P	2,4-Dinitrophenol	40.000	41.270	-3.2	108	0.00
55	Dibenzofuran	40.000	36.395	9.0	103	0.00
56 P	4-Nitrophenol	40.000	53.378	-33.4#	142	0.00
57	2,4-Dinitrotoluene	40.000	42.014	-5.0	117	0.00
58	Fluorene	40.000	36.485	8.8	104	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.903	2.7	108	0.00
60	Diethylphthalate	40.000	38.140	4.6	108	0.00
61	4-Chlorophenyl-phenylether	40.000	36.458	8.9	105	0.00
62	4-Nitroaniline	40.000	38.063	4.8	105	-0.01
63	Azobenzene	40.000	37.573	6.1	107	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.270	-10.7	113	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.751	3.1	108	0.00
67	4-Bromophenyl-phenylether	40.000	39.236	1.9	109	0.00
68	Hexachlorobenzene	40.000	38.991	2.5	109	0.00
69	Atrazine	40.000	33.985	15.0	93	0.00
70 C	Pentachlorophenol	40.000	53.575	-33.9#	140	0.00
71	Phenanthrene	40.000	37.819	5.5	107	0.00
72	Anthracene	40.000	37.948	5.1	107	0.00
73	Carbazole	40.000	38.220	4.5	107	0.00
74	Di-n-butylphthalate	40.000	39.444	1.4	111	0.00
75 C	Fluoranthene	40.000	38.098	4.8	108	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77	Benzydine	40.000	38.664	3.3	92	0.00
78	Pyrene	40.000	40.606	-1.5	120	0.00
79 S	Terphenyl-d14	80.000	72.583	9.3	108	0.00
80	Butylbenzylphthalate	40.000	39.103	2.2	113	0.00
81	Benzo(a)anthracene	40.000	34.223	14.4	100	0.00
82	3,3'-Dichlorobenzidine	40.000	36.200	9.5	103	0.00
83	Chrysene	40.000	37.287	6.8	112	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.304	4.2	112	0.00
85 c	Di-n-octyl phthalate	40.000	38.886	2.8	113	0.00
86 I	Perylene-d12	20.000	20.000	0.0	103	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	38.376	4.1	101	-0.01
88	Benzo(b)fluoranthene	40.000	37.149	7.1	107	0.00
89	Benzo(k)fluoranthene	40.000	37.413	6.5	99	-0.01
90 C	Benzo(a)pyrene	40.000	37.294	6.8	101	0.00
91	Dibenzo(a,h)anthracene	40.000	38.458	3.9	101	-0.02
92	Benzo(g,h,i)perylene	40.000	38.883	2.8	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141336.D
Acq On : 31 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 31 17:43:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo (a) anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo (b) fluoranthene	1.258	1.327		5.5	
Benzo (k) fluoranthene	1.114	1.082		-2.9	
Benzo (a) pyrene	1.063	1.102		3.7	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.411		9.3	
Dibenzo (a,h) anthracene	1.039	1.133		9.0	
Benzo (g,h,i) perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	78610	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	301871	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	162758	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	271503	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168458	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	170248	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	407329	79.549	ng	0.00
7) Phenol-d6	6.434	99	503234	77.255	ng	0.00
23) Nitrobenzene-d5	7.357	82	478767	83.608	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127994	85.780	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	870937	82.364	ng	-0.01
79) Terphenyl-d14	12.904	244	869288	79.581	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.457	88	78559	34.885	ng	94
3) Pyridine	3.187	79	194117	35.776	ng	95
4) n-Nitrosodimethylamine	3.140	42	135212m	43.622	ng	
6) Aniline	6.451	93	203874	36.974	ng	# 15
8) 2-Chlorophenol	6.581	128	217362	39.605	ng	98
9) Benzaldehyde	6.340	77	155340	41.171	ng	99
10) Phenol	6.445	94	261387	37.854	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	198646	37.520	ng	99
12) 1,3-Dichlorobenzene	6.734	146	244041	40.328	ng	100
13) 1,4-Dichlorobenzene	6.810	146	248088	40.809	ng	100
14) 1,2-Dichlorobenzene	6.963	146	230694	40.526	ng	98
15) Benzyl Alcohol	6.934	79	188189	42.275	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.069	45	320404	34.802	ng	83
17) 2-Methylphenol	7.051	107	170207	38.159	ng	93
18) Hexachloroethane	7.304	117	91496	40.798	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	149493	38.623	ng	100
20) 3+4-Methylphenols	7.210	107	219253	40.033	ng	94
22) Acetophenone	7.204	105	297343	41.439	ng	97
24) Nitrobenzene	7.375	77	243522	41.037	ng	98
25) Isophorone	7.616	82	381288	38.520	ng	99
26) 2-Nitrophenol	7.692	139	115128	41.137	ng	95
27) 2,4-Dimethylphenol	7.734	122	138196m	38.795	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	236983	37.533	ng	99
29) 2,4-Dichlorophenol	7.939	162	179202	41.092	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	204292	41.020	ng	100
31) Naphthalene	8.098	128	638897	40.064	ng	99
32) Benzoic acid	7.851	122	131516	40.161	ng	94
33) 4-Chloroaniline	8.145	127	202319	37.413	ng	98
34) Hexachlorobutadiene	8.216	225	128024	43.834	ng	99
35) Caprolactam	8.516	113	55628	39.058	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	195300	41.751	ng	94
37) 2-Methylnaphthalene	8.786	142	404544	39.913	ng	100
38) 1-Methylnaphthalene	8.886	142	396613	39.835	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	188623	40.737	ng	99
41) Hexachlorocyclopentadiene	8.939	237	53928	39.437	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	125213	41.315	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 10:46:53 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	136179	41.284	ng	99
46) 1,1'-Biphenyl	9.251	154	500011	39.392	ng	97
47) 2-Chloronaphthalene	9.275	162	397635	40.191	ng	100
48) 2-Nitroaniline	9.375	65	128787	41.385	ng	97
49) Acenaphthylene	9.692	152	552204	39.872	ng	100
50) Dimethylphthalate	9.557	163	437816	39.828	ng	100
51) 2,6-Dinitrotoluene	9.616	165	103868	40.695	ng	95
52) Acenaphthene	9.863	154	400902	40.520	ng	98
53) 3-Nitroaniline	9.786	138	100475	40.165	ng	97
54) 2,4-Dinitrophenol	9.892	184	52193	43.990	ng	# 85
55) Dibenzofuran	10.033	168	529389	39.973	ng	96
56) 4-Nitrophenol	9.963	139	76553	41.844	ng	90
57) 2,4-Dinitrotoluene	10.022	165	139267	42.144	ng	96
58) Fluorene	10.380	166	427075	41.573	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.157	232	109126	42.052	ng	97
60) Diethylphthalate	10.251	149	431776	40.510	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	209555	41.761	ng	99
62) 4-Nitroaniline	10.398	138	102198	41.554	ng	89
63) Azobenzene	10.533	77	406009	38.055	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	73514	45.776	ng	99
66) n-Nitrosodiphenylamine	10.492	169	356533	40.601	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	125379	41.249	ng	98
68) Hexachlorobenzene	10.928	284	133335	41.354	ng	98
69) Atrazine	11.022	200	108751	37.040	ng	99
70) Pentachlorophenol	11.127	266	82010	43.436	ng	99
71) Phenanthrene	11.345	178	605311	41.476	ng	99
72) Anthracene	11.392	178	597915	41.812	ng	99
73) Carbazole	11.551	167	545853	43.048	ng	100
74) Di-n-butylphthalate	11.880	149	632426	41.155	ng	100
75) Fluoranthene	12.533	202	626646	43.486	ng	97
77) Benzidine	12.657	184	207554	38.432	ng	98
78) Pyrene	12.763	202	631407	39.047	ng	99
80) Butylbenzylphthalate	13.380	149	224717	39.778	ng	99
81) Benzo(a)anthracene	13.951	228	441320	37.964	ng	100
82) 3,3'-Dichlorobenzidine	13.916	252	141060	38.153	ng	98
83) Chrysene	13.992	228	418577	39.290	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	276519	38.586	ng	98
85) Di-n-octyl phthalate	14.568	149	418773	37.624	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	480324	43.712	ng	95
88) Benzo(b)fluoranthene	15.004	252	451713	42.180	ng	98
89) Benzo(k)fluoranthene	15.033	252	368364	38.829	ng	98
90) Benzo(a)pyrene	15.363	252	375306	41.472	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	385925	43.654	ng	97
92) Benzo(g,h,i)perylene	17.309	276	405442	44.107	ng	95

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

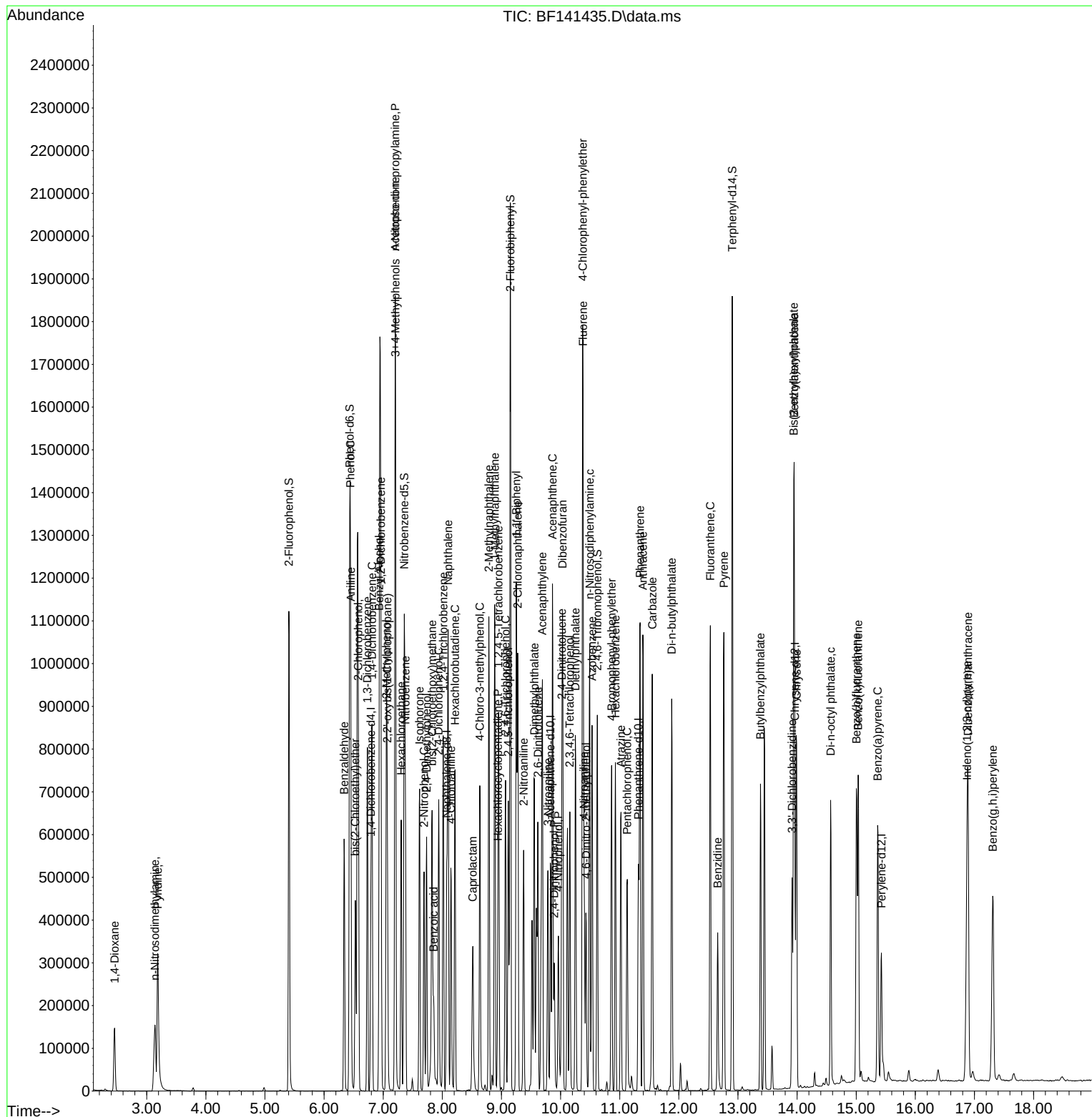

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Data File : BF141435.D  
Acq On    : 05 Feb 2025  10:02  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
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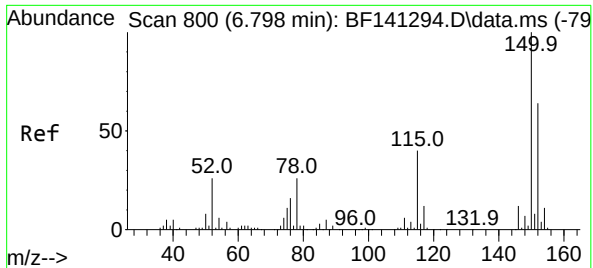
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

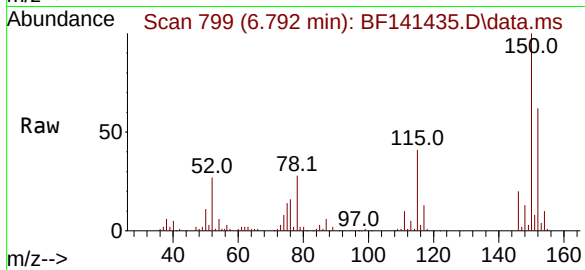
Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

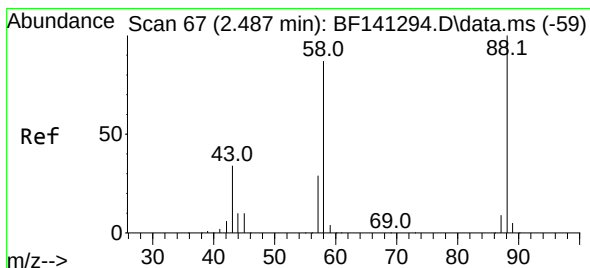
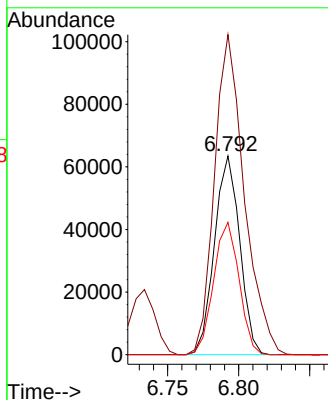
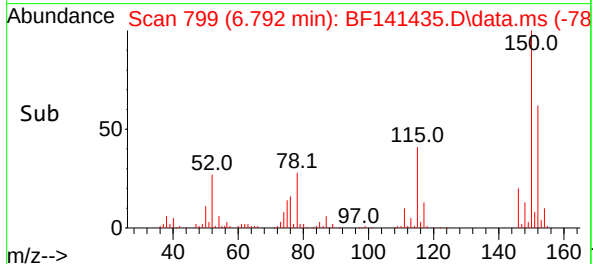
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



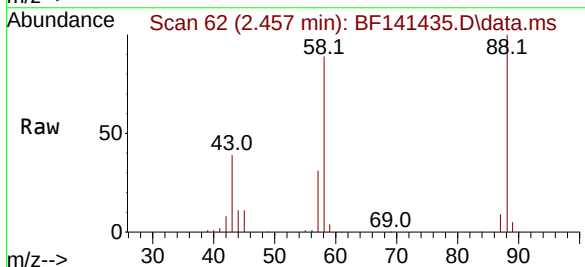
Tgt Ion:152 Resp: 78610
Ion Ratio Lower Upper
152 100
150 161.0 125.9 188.9
115 66.6 49.7 74.5

Manual Integrations
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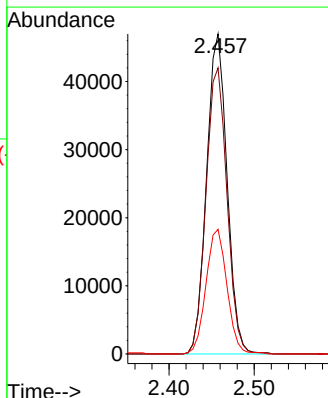
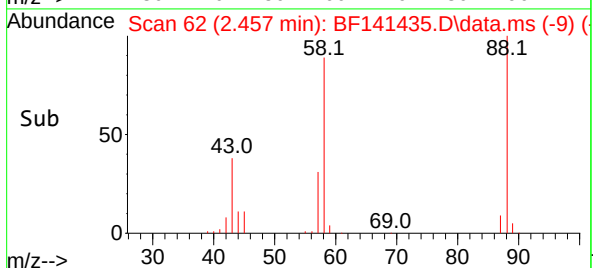
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

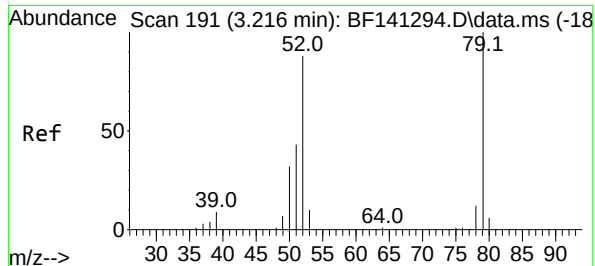


#2
1,4-Dioxane
Concen: 34.885 ng
RT: 2.457 min Scan# 62
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



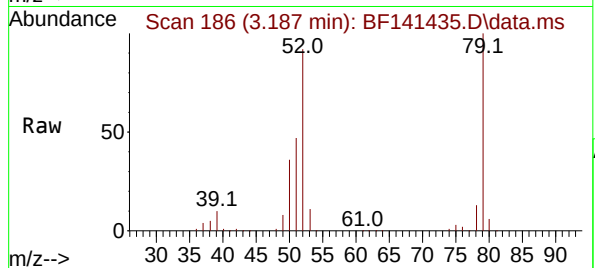
Tgt Ion: 88 Resp: 78559
Ion Ratio Lower Upper
88 100
58 91.6 70.2 105.4
43 40.0 27.6 41.4





#3
Pyridine
Concen: 35.776 ng
RT: 3.187 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

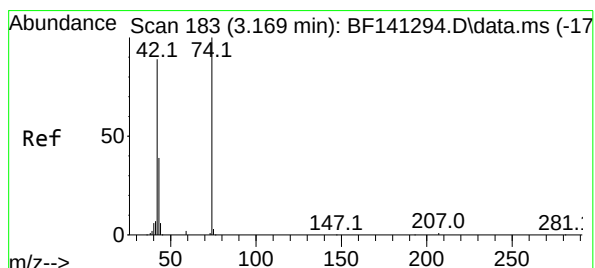
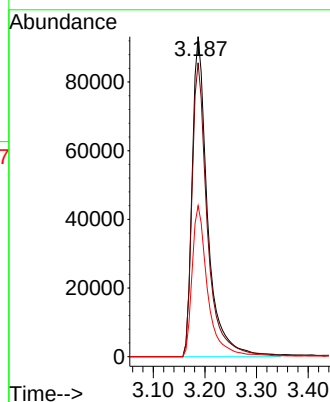
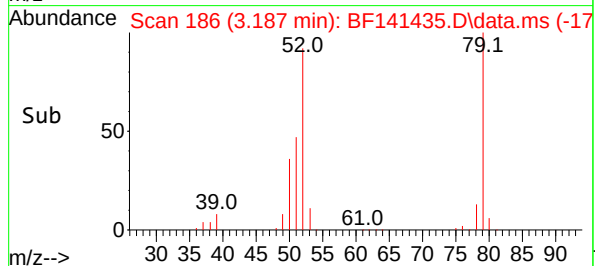
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



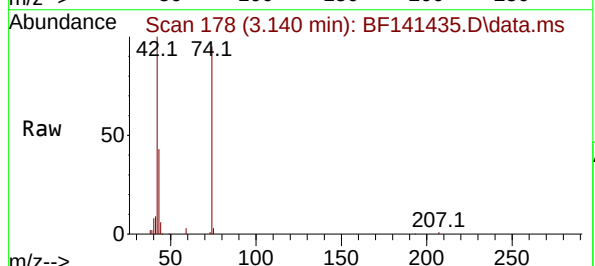
Tgt Ion: 79 Resp: 19411
Ion Ratio Lower Upper
79 100
52 91.9 70.3 105.5
51 47.2 34.3 51.5

Manual Integrations
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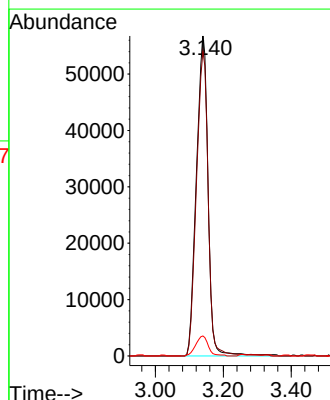
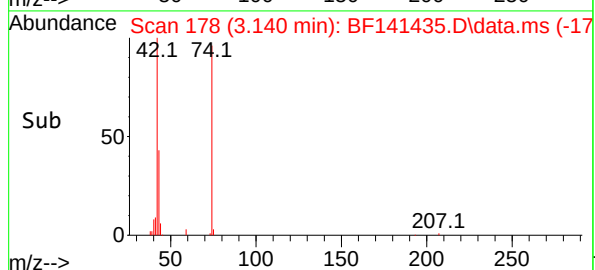
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

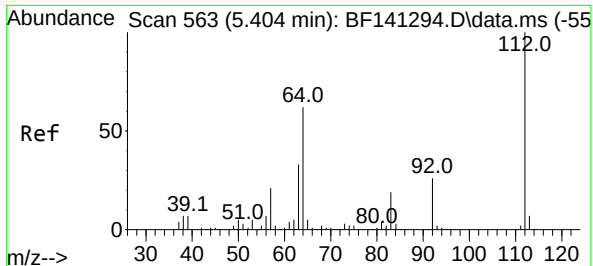


#4
n-Nitrosodimethylamine
Concen: 43.622 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



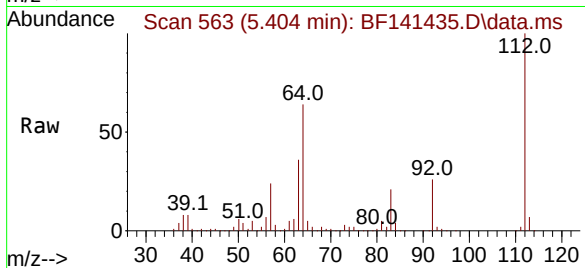
Tgt Ion: 42 Resp: 135212
Ion Ratio Lower Upper
42 100
74 95.2 90.3 135.5
44 6.3 5.7 8.5





#5
2-Fluorophenol
Concen: 79.549 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

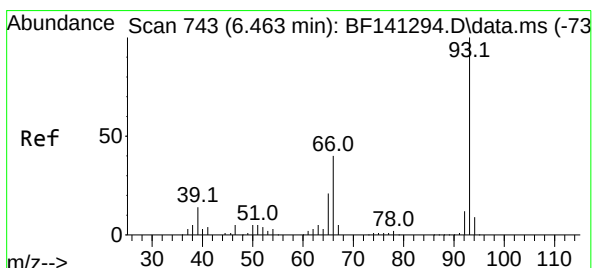
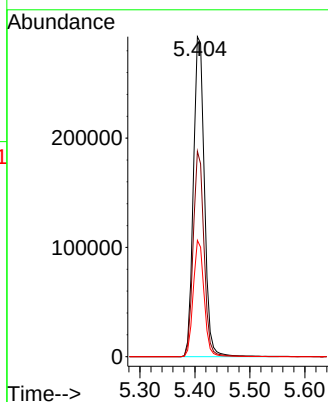
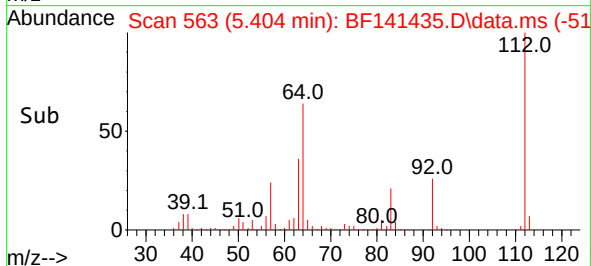
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:112 Resp: 407329
Ion Ratio Lower Upper
112 100
64 64.2 49.8 74.8
63 36.3 26.1 39.1

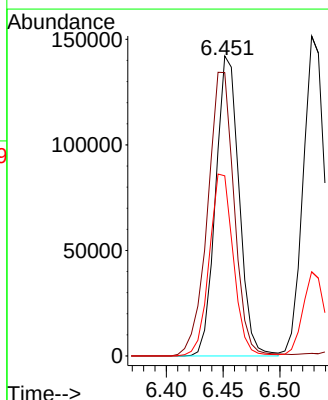
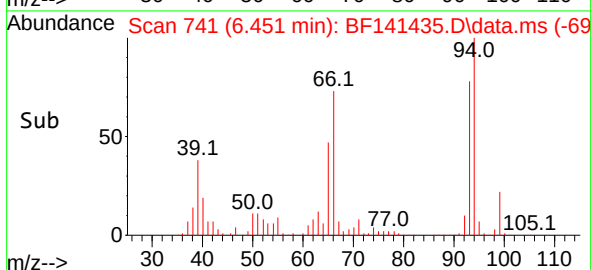
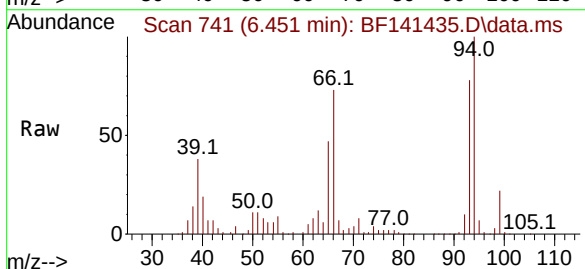
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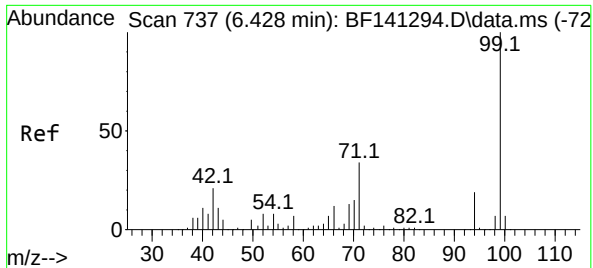
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 36.974 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

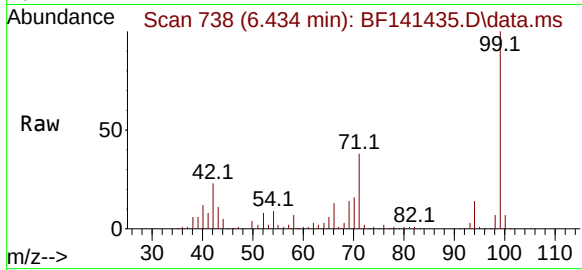
Tgt Ion: 93 Resp: 203874
Ion Ratio Lower Upper
93 100
66 94.5 32.5 48.7#
65 60.0 17.0 25.6#





#7
Phenol-d6
Concen: 77.255 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

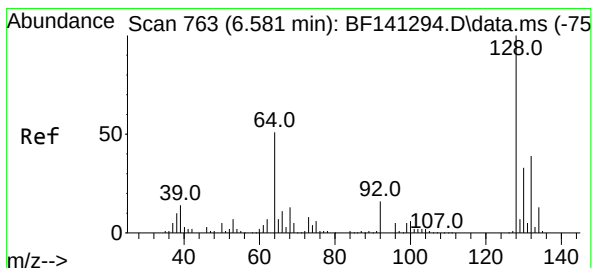
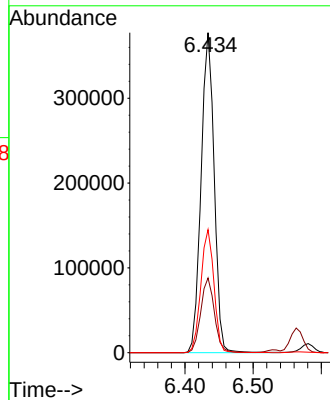
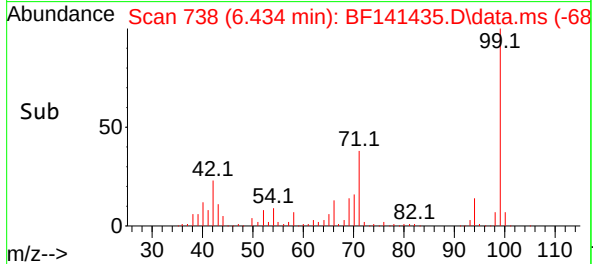
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 99 Resp: 503234
Ion Ratio Lower Upper
99 100
42 23.3 17.1 25.7
71 38.5 26.9 40.3

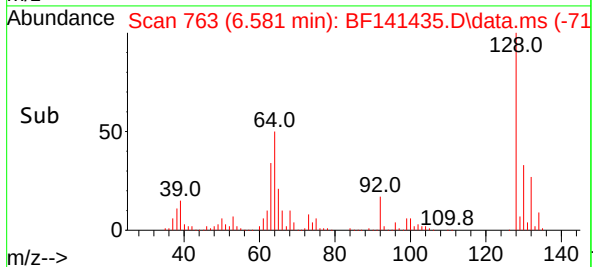
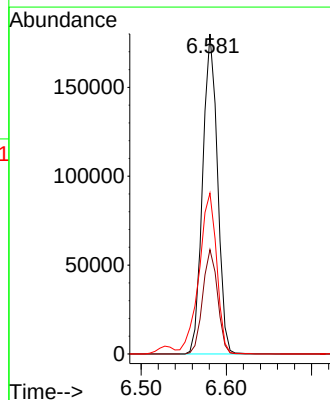
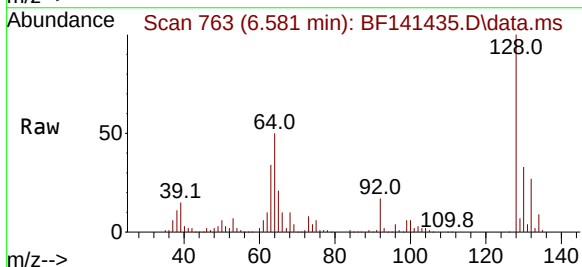
Manual Integrations
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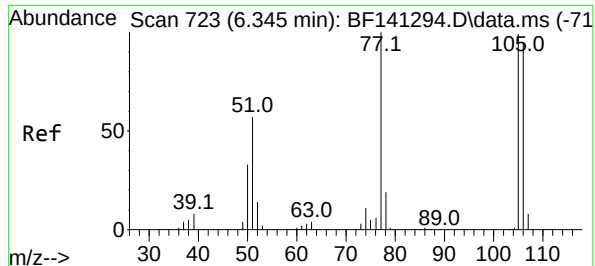
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 39.605 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:128 Resp: 217362
Ion Ratio Lower Upper
128 100
130 32.6 12.5 52.5
64 50.3 32.9 72.9





#9

Benzaldehyde

Concen: 41.171 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 155340

Ion Ratio Lower Upper

77 100

105 98.6 79.4 119.4

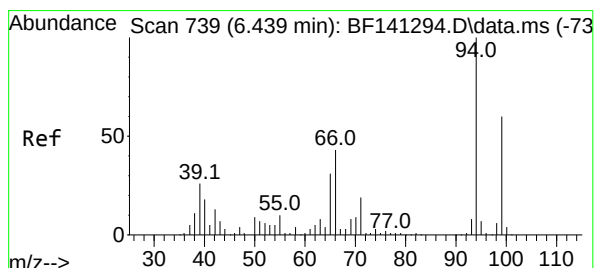
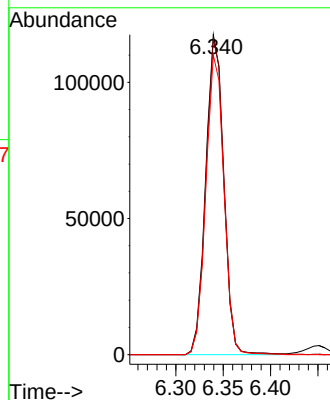
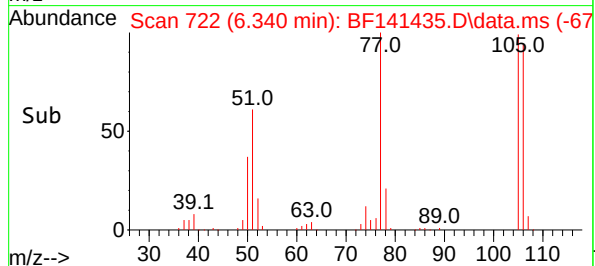
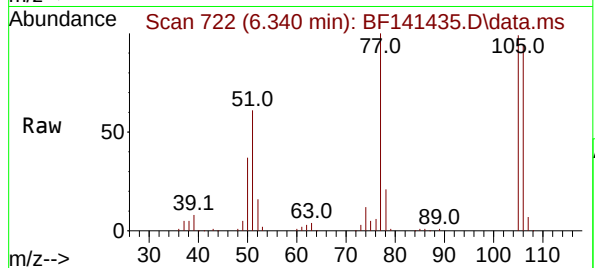
106 93.6 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#10

Phenol

Concen: 37.854 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

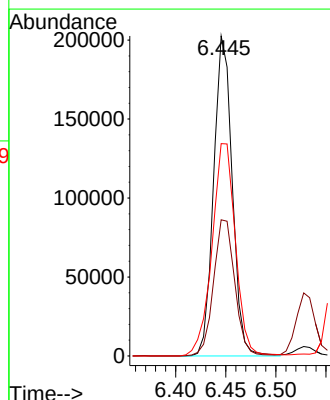
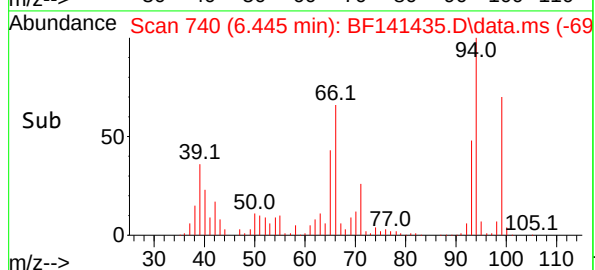
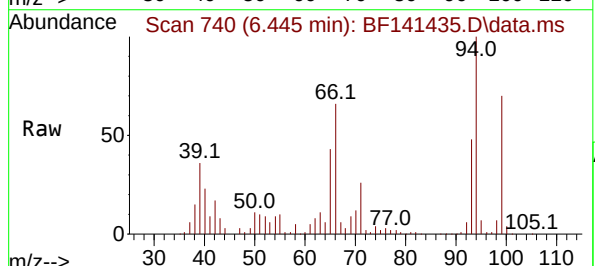
Tgt Ion: 94 Resp: 261387

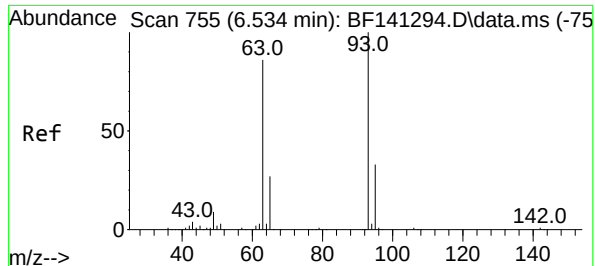
Ion Ratio Lower Upper

94 100

65 42.6 10.8 50.8

66 66.3 23.3 63.3#





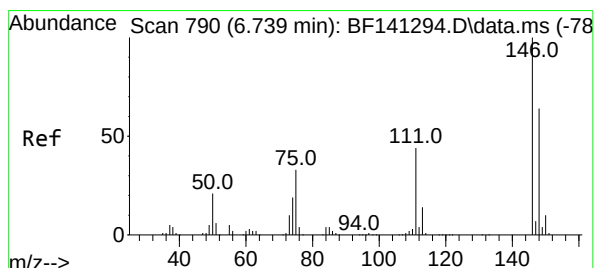
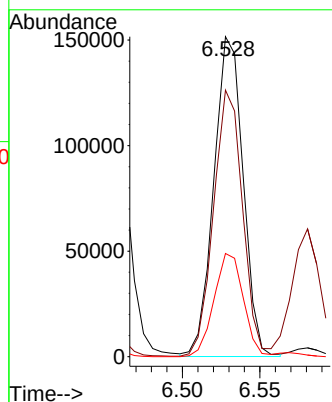
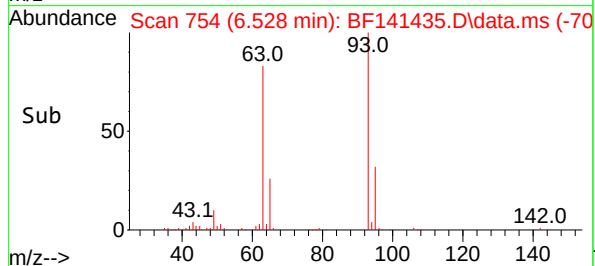
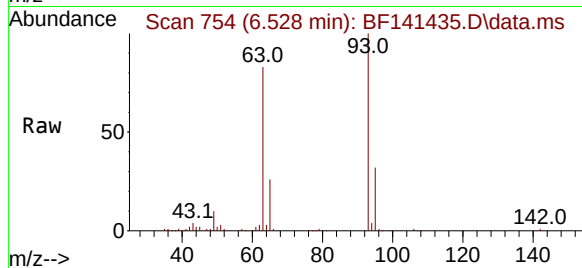
#11
bis(2-Chloroethyl)ether
Concen: 37.520 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 198640
Ion Ratio Lower Upper
93 100
63 83.3 65.0 105.0
95 32.2 12.4 52.4

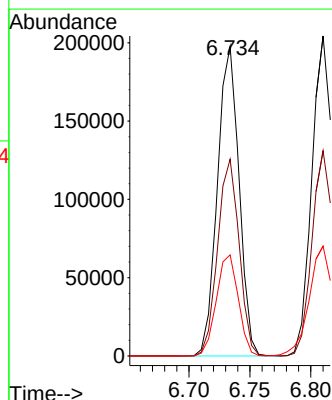
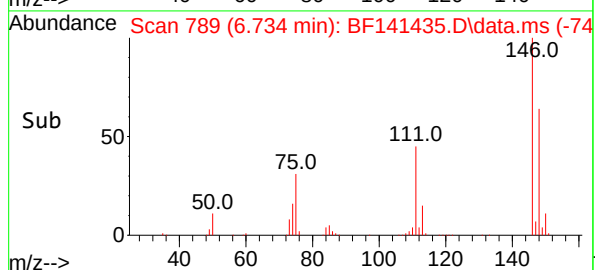
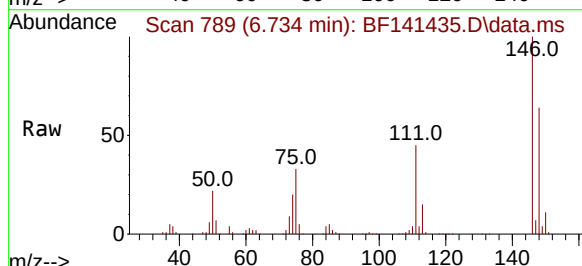
Manual Integrations
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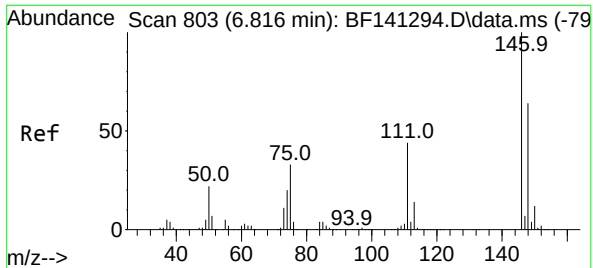
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 40.328 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:146 Resp: 244041
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
75 32.6 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 40.809 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 24808

Ion Ratio Lower Upper

146 100

148 64.1 51.2 76.8

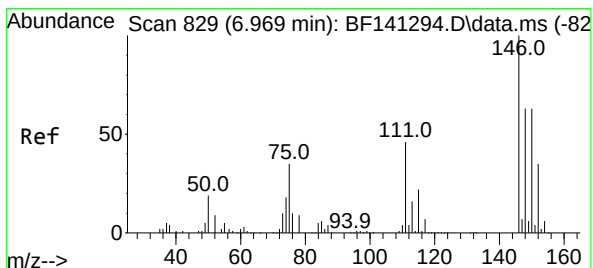
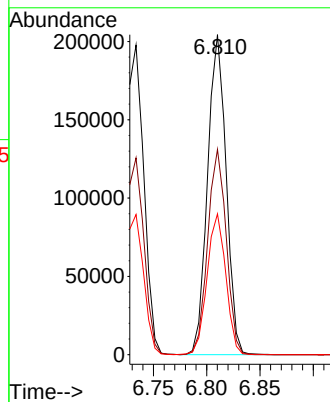
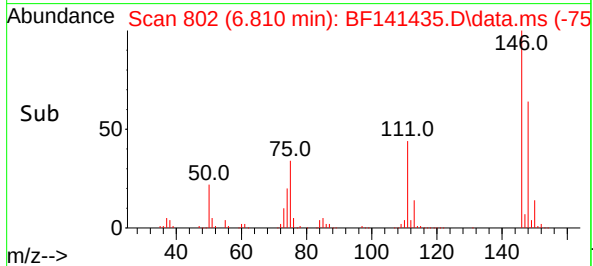
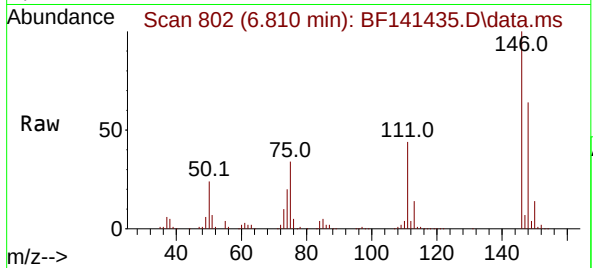
111 44.0 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 40.526 ng

RT: 6.963 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

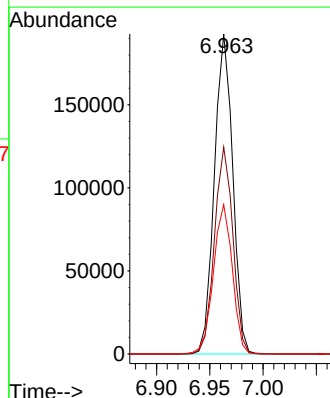
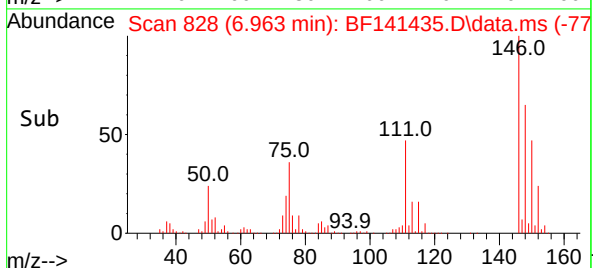
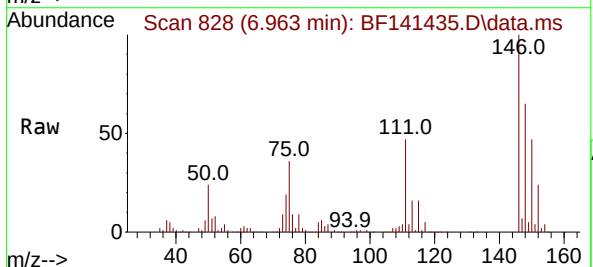
Tgt Ion:146 Resp: 230694

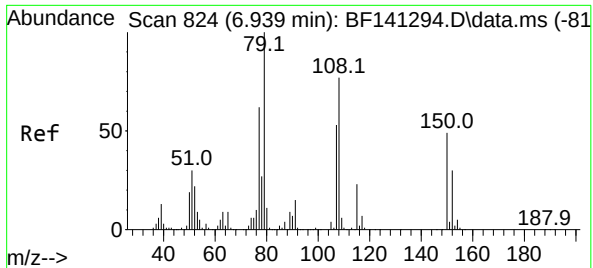
Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

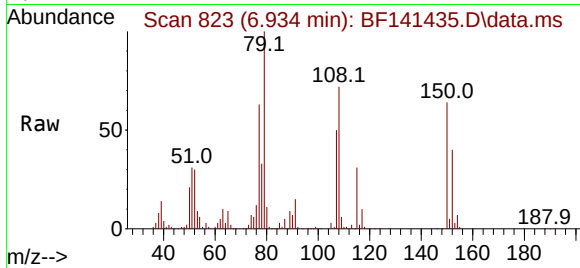
111 46.7 36.6 55.0





#15
Benzyl Alcohol
Concen: 42.275 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

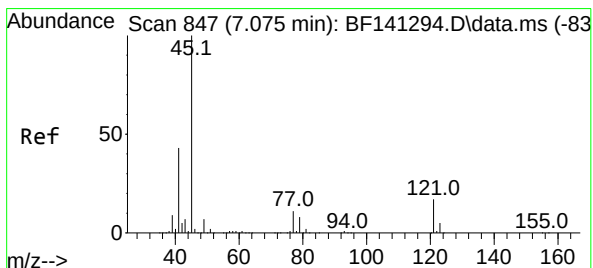
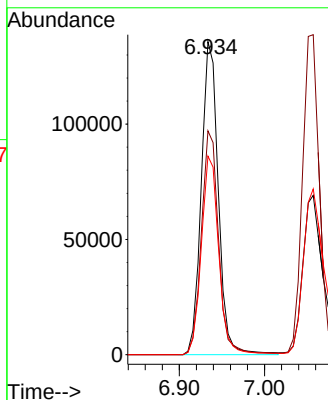
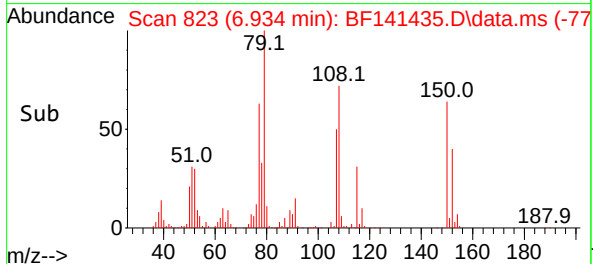
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion: 79 Resp: 188189
Ion Ratio Lower Upper
79 100
108 71.6 61.4 92.0
77 63.5 49.9 74.9

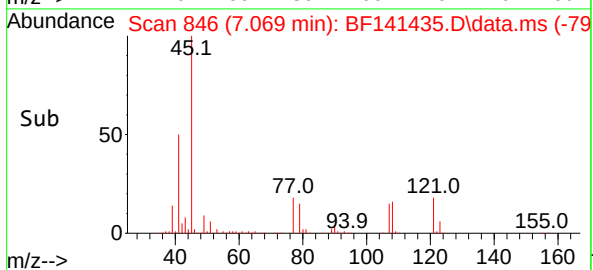
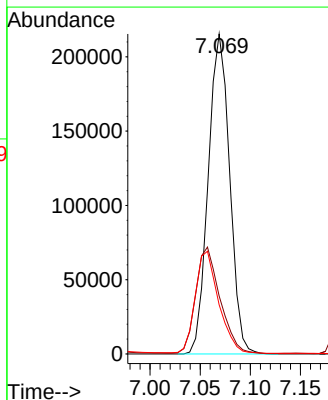
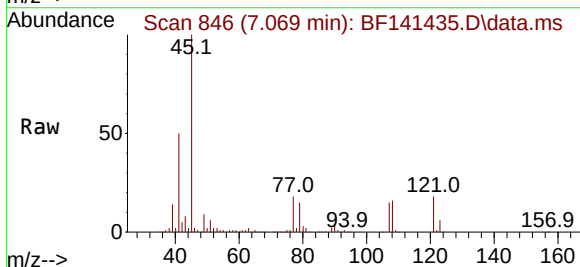
Manual Integrations
APPROVED

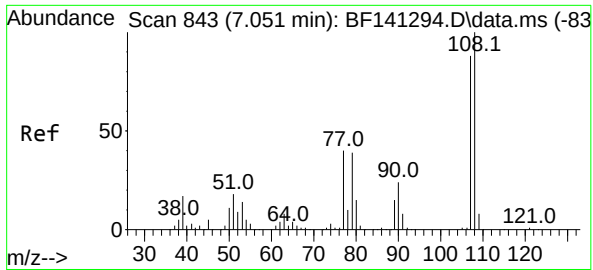
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.802 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion: 45 Resp: 320404
Ion Ratio Lower Upper
45 100
77 18.1 0.0 31.8
79 15.4 0.0 29.1





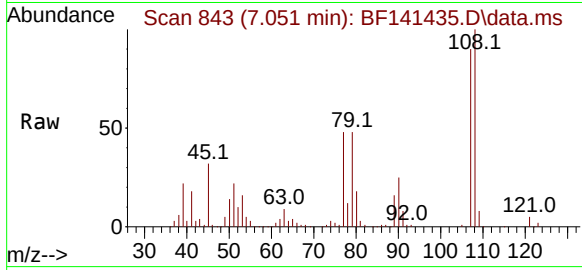
#17
2-Methylphenol
Concen: 38.159 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

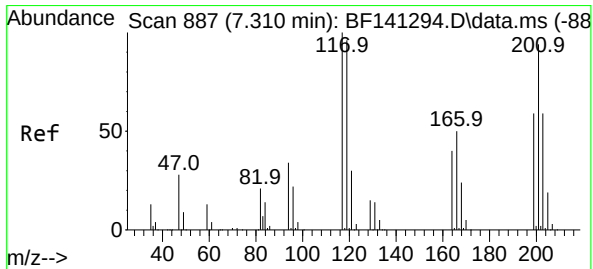
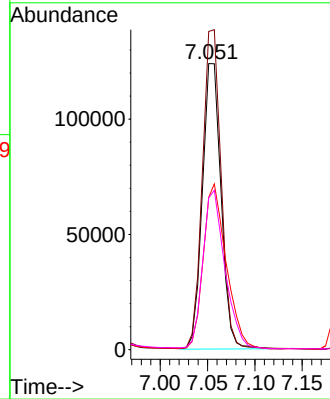


Tgt Ion:107 Resp: 170207
Ion Ratio Lower Upper
107 100
108 111.2 90.8 136.2
77 53.2 36.2 54.4
79 53.1 35.7 53.5

Manual Integrations

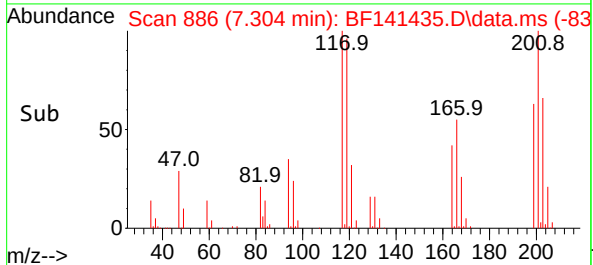
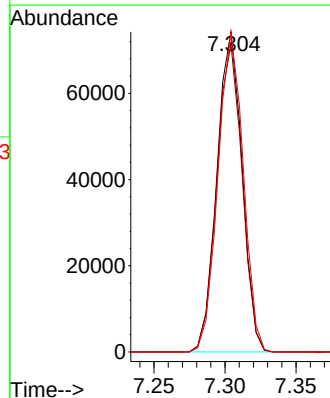
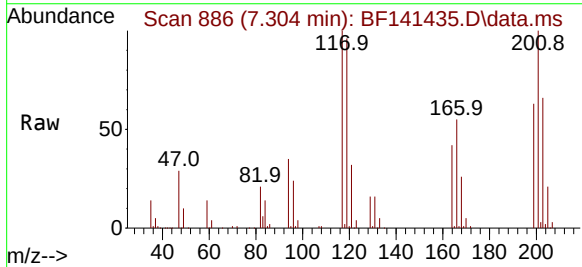
APPROVED

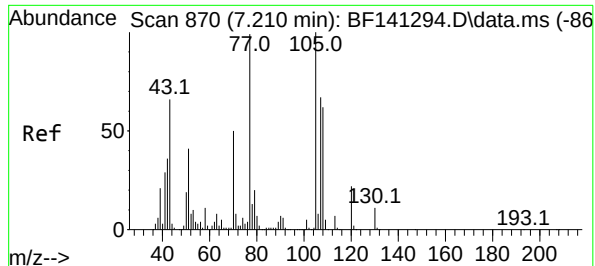
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 40.798 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:117 Resp: 91496
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8
201 99.7 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.623 ng

RT: 7.204 min Scan# 80

Delta R.T. -0.024 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 14949

Ion Ratio Lower Upper

70 100

42 70.9 56.8 85.2

101 9.8 7.7 11.5

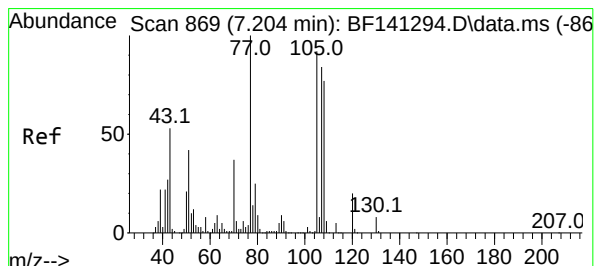
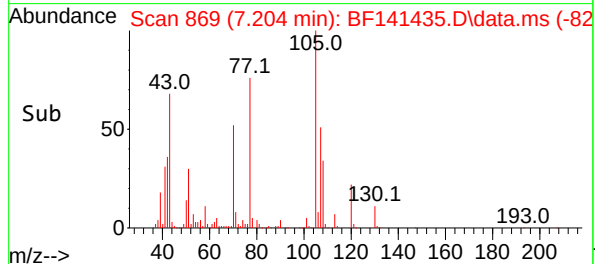
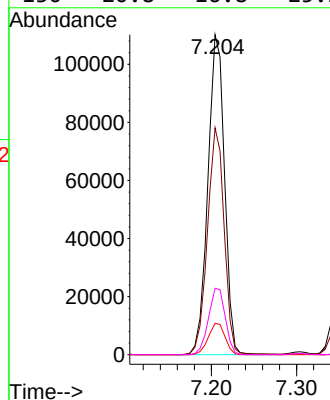
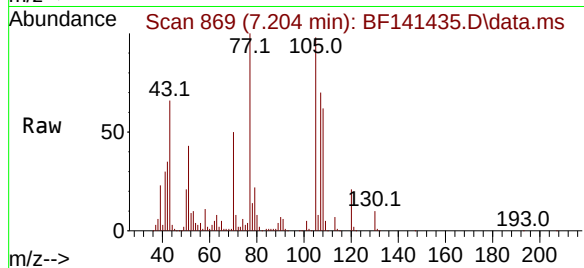
130 20.8 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 40.033 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 219253

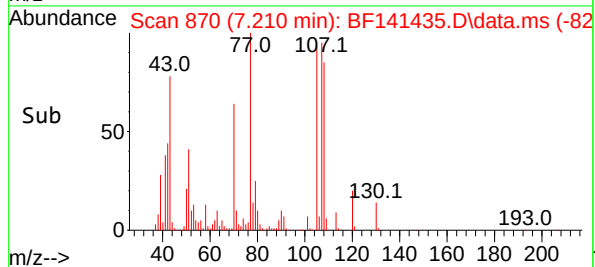
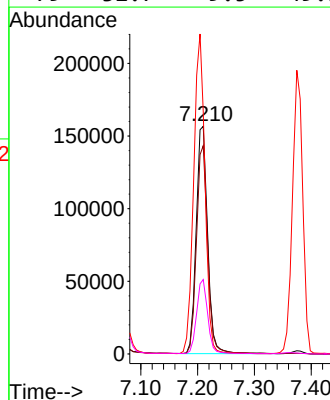
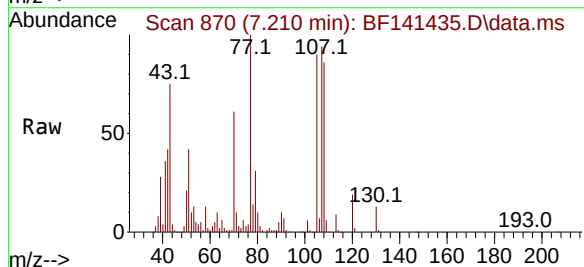
Ion Ratio Lower Upper

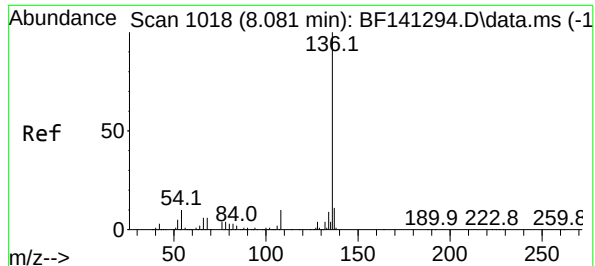
107 100

108 91.5 70.9 110.9

77 106.4 98.5 138.5

79 32.7 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141435.D

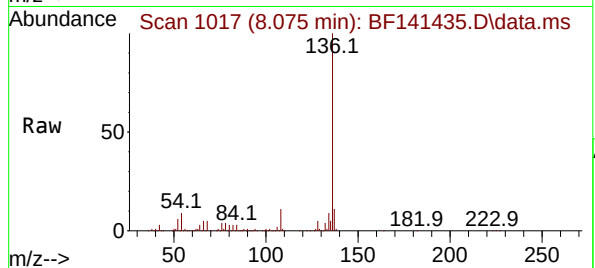
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:136 Resp: 30187

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 9.2 7.8 11.8

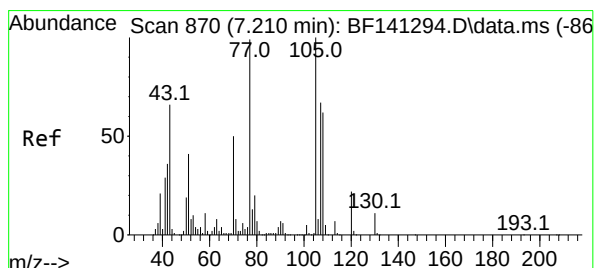
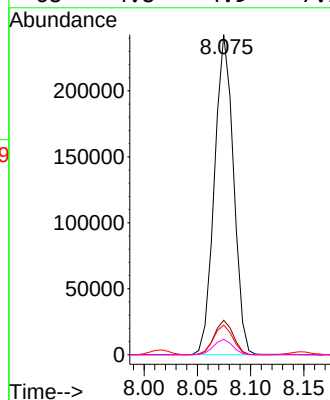
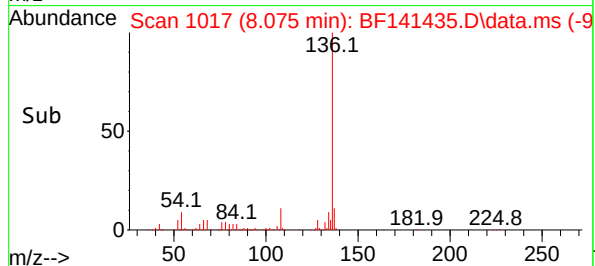
68 4.8 4.9 7.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#22

Acetophenone

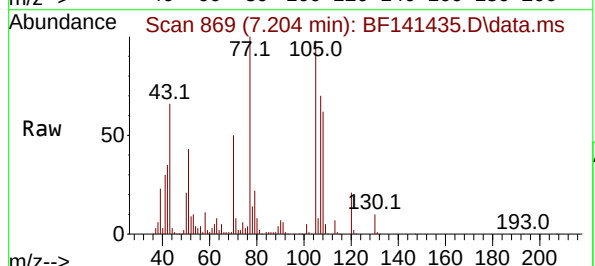
Concen: 41.439 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



Tgt Ion:105 Resp: 297343

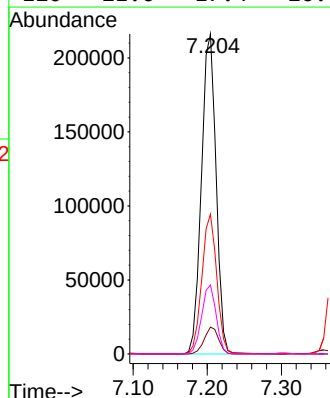
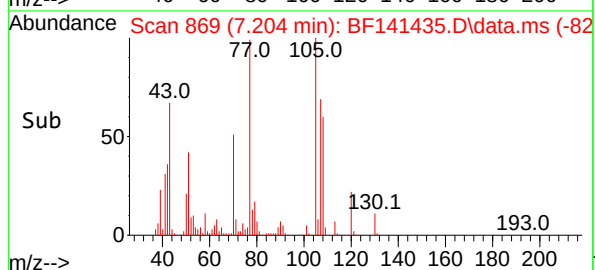
Ion Ratio Lower Upper

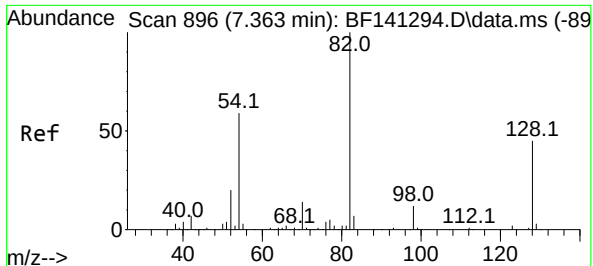
105 100

71 8.4 6.8 10.2

51 43.7 32.6 49.0

120 21.6 17.4 26.0





#23

Nitrobenzene-d5

Concen: 83.608 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 47876

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

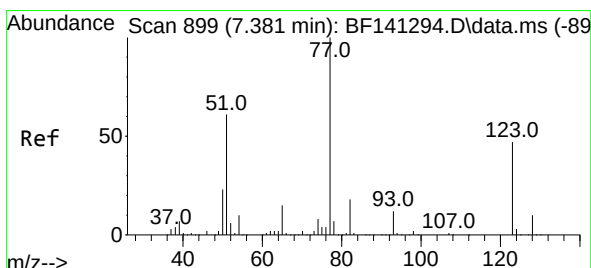
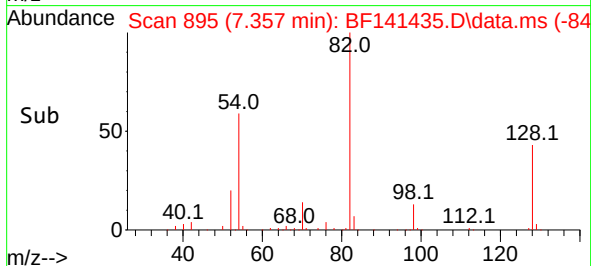
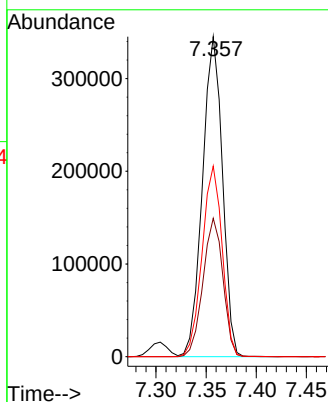
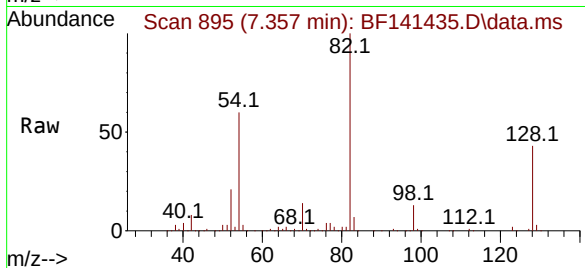
54 59.5 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 41.037 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

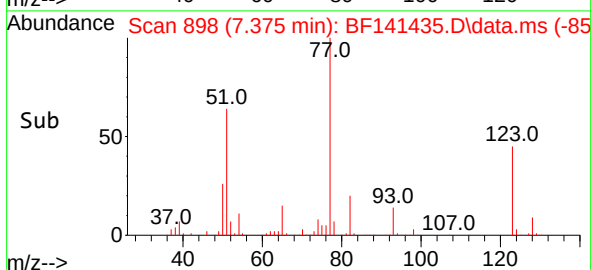
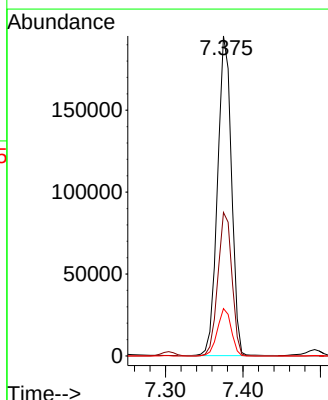
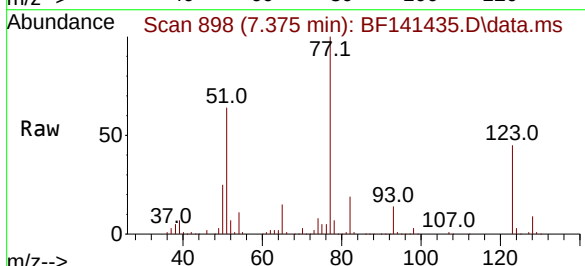
Tgt Ion: 77 Resp: 243522

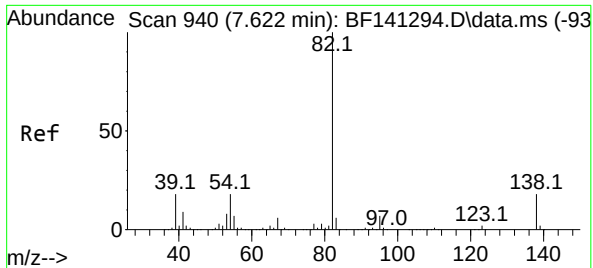
Ion Ratio Lower Upper

77 100

123 44.9 37.3 55.9

65 14.8 11.8 17.6





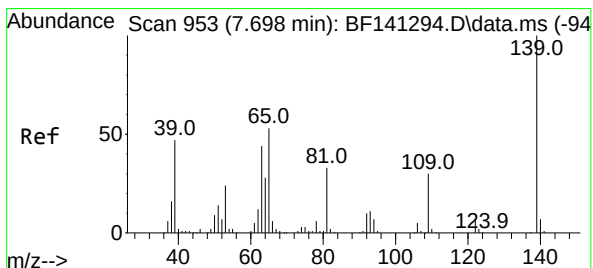
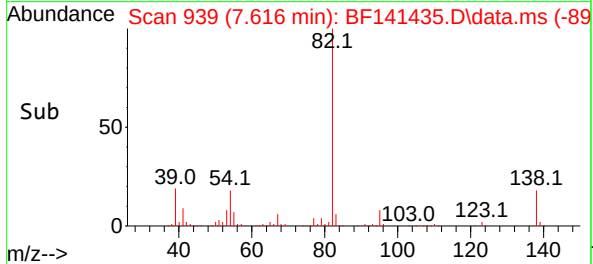
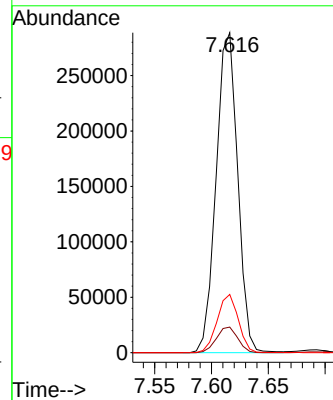
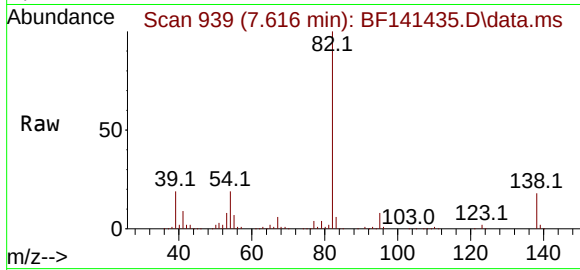
#25
Isophorone
Concen: 38.520 ng
RT: 7.616 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 38128
Ion Ratio Lower Upper
82 100
95 8.0 5.8 8.6
138 18.2 14.7 22.1

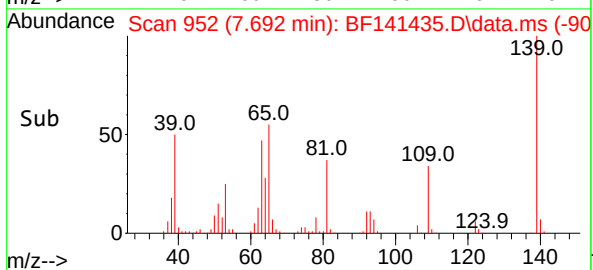
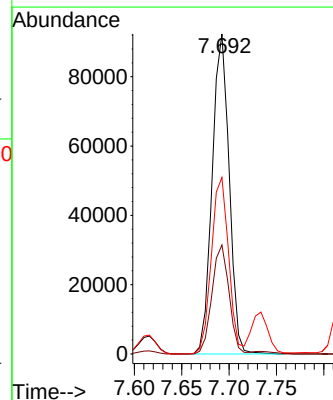
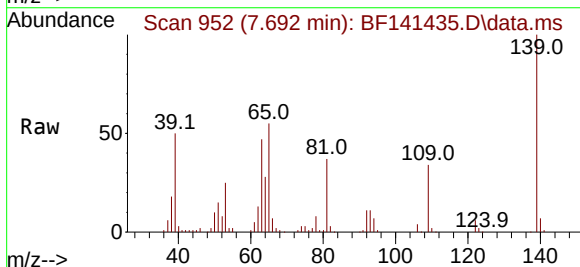
Manual Integrations
APPROVED

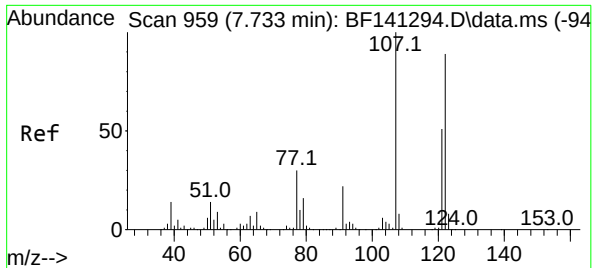
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 41.137 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 115128
Ion Ratio Lower Upper
139 100
109 34.0 23.8 35.6
65 55.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 38.795 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141435.D

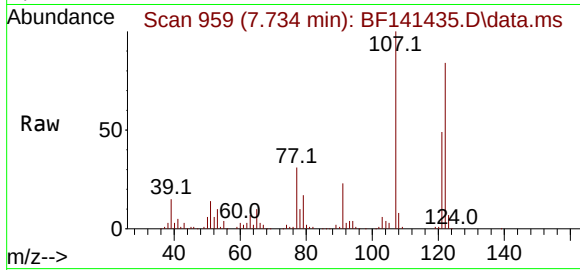
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 138190

Ion Ratio Lower Upper

122 100

107 119.3 89.9 134.9

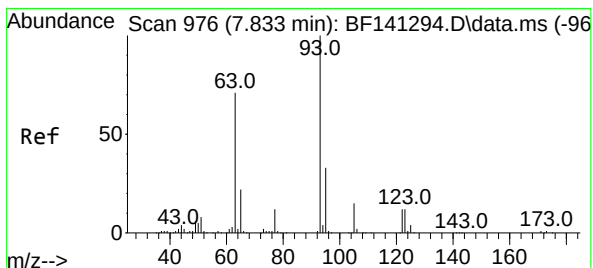
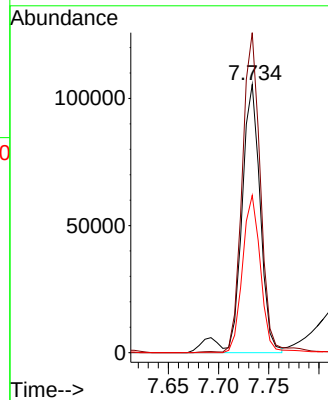
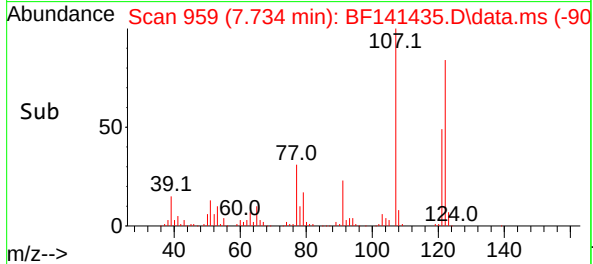
121 58.7 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.533 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

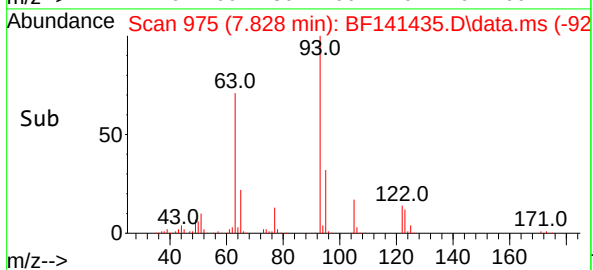
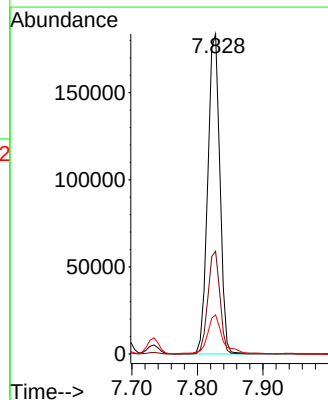
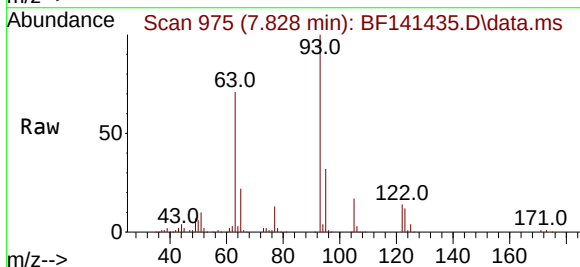
Tgt Ion: 93 Resp: 236983

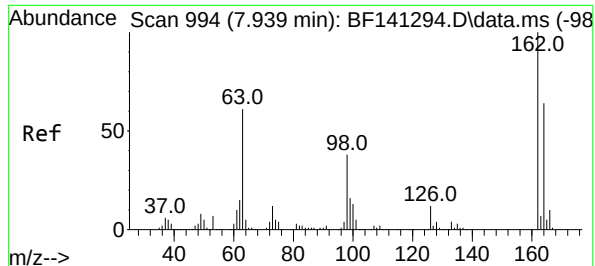
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

123 12.2 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 41.092 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141435.D

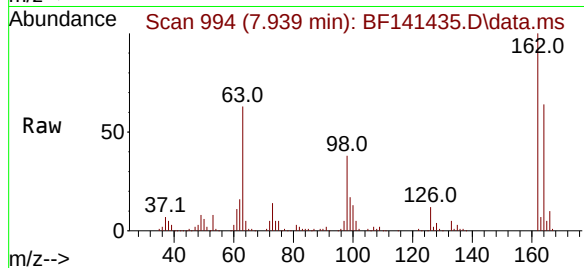
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 17920

Ion Ratio Lower Upper

162 100

164 63.9 44.2 84.2

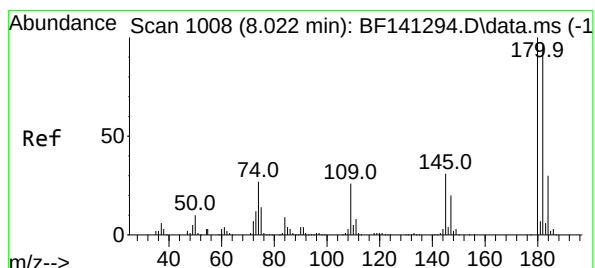
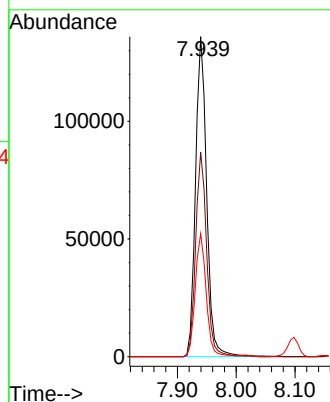
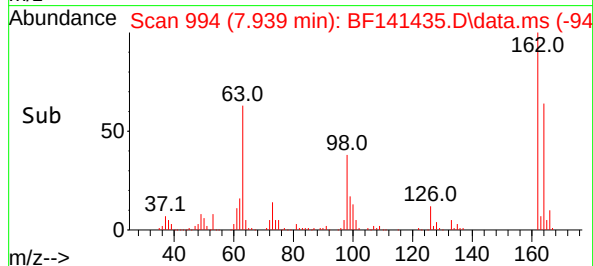
98 38.4 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

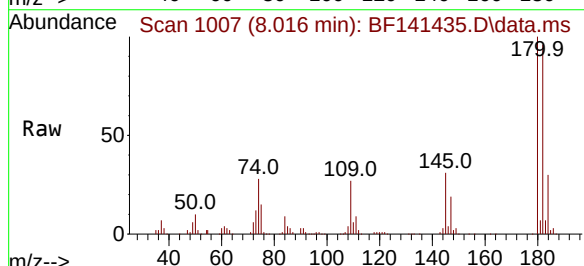
Concen: 41.020 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



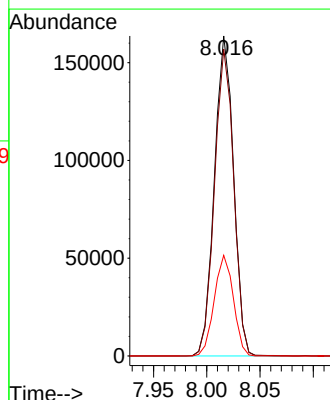
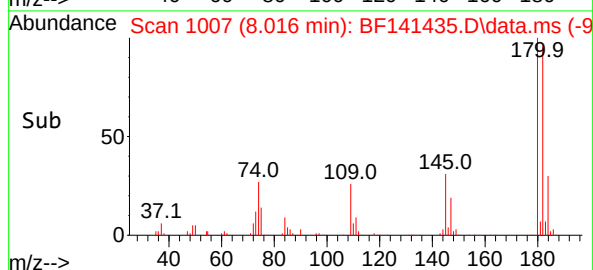
Tgt Ion:180 Resp: 204292

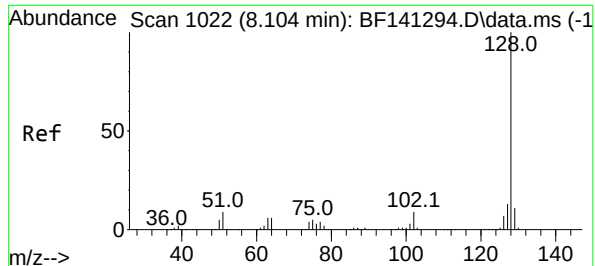
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 31.5 24.9 37.3





#31

Naphthalene

Concen: 40.064 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 63889

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

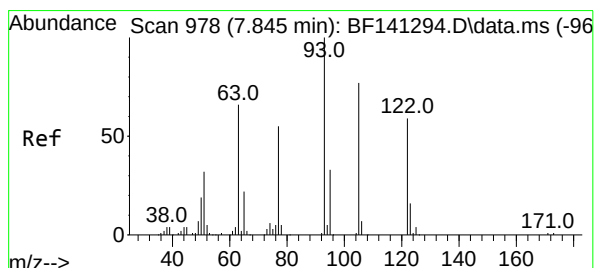
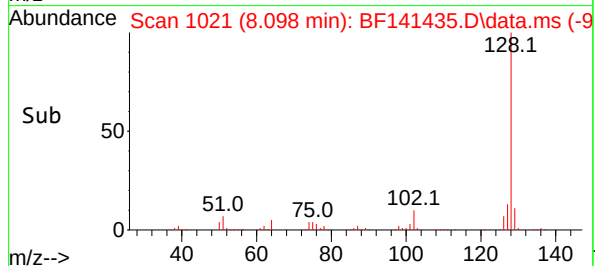
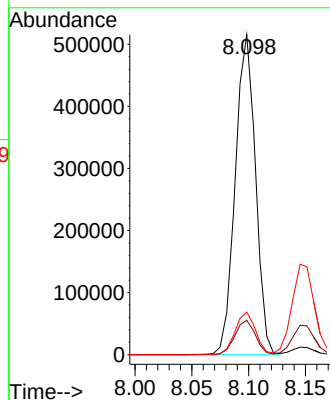
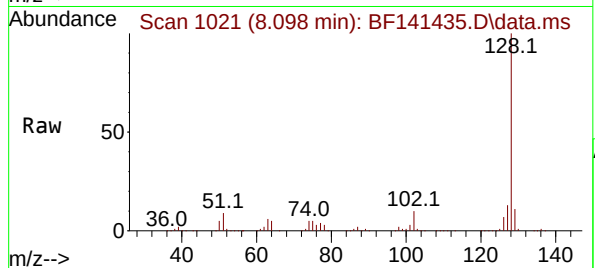
127 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 40.161 ng

RT: 7.851 min Scan# 979

Delta R.T. -0.030 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

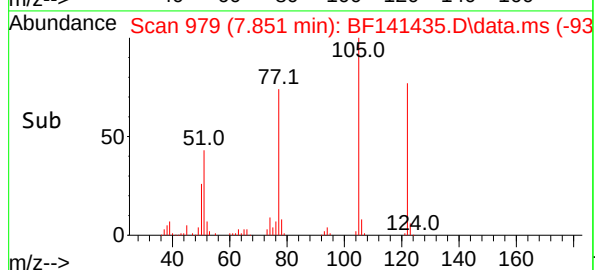
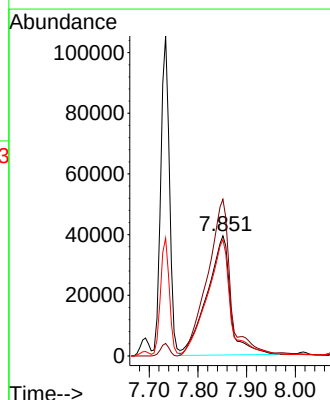
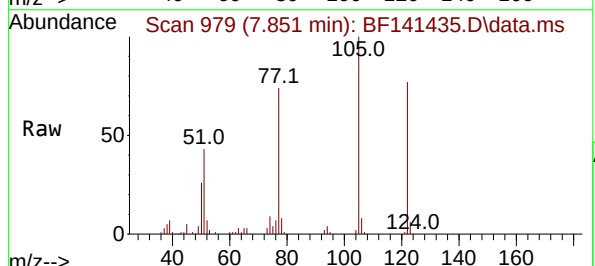
Tgt Ion:122 Resp: 131516

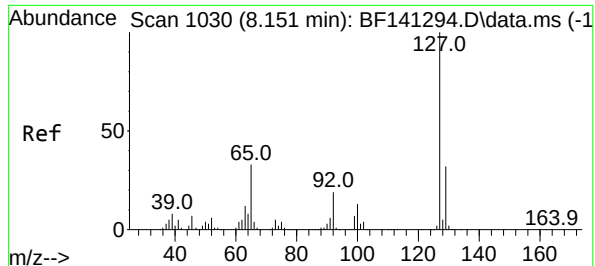
Ion Ratio Lower Upper

122 100

105 130.3 103.4 143.4

77 96.7 70.9 110.9





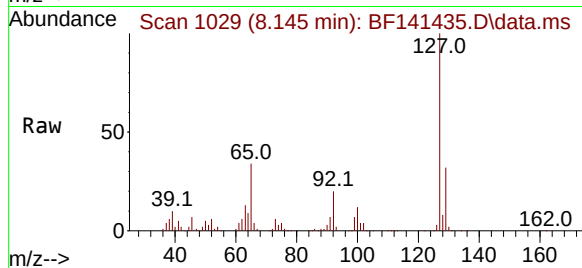
#33
4-Chloroaniline
Concen: 37.413 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

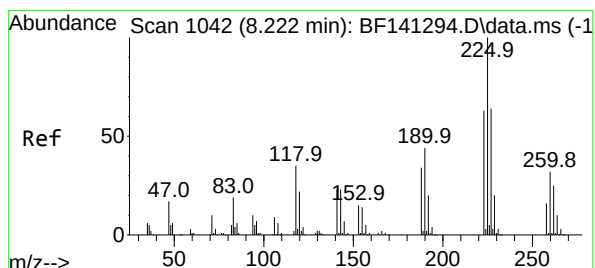
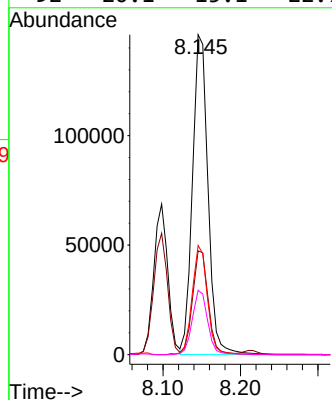
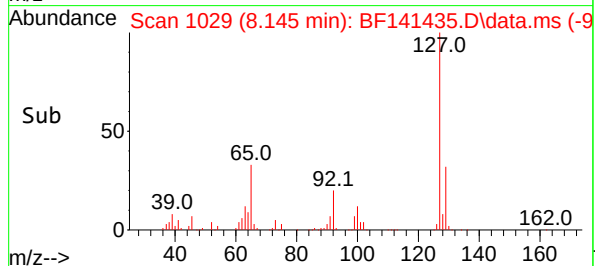


Tgt Ion:127 Resp: 202319
Ion Ratio Lower Upper
127 100
129 32.4 25.7 38.5
65 34.1 26.4 39.6
92 20.1 15.1 22.7

Manual Integrations

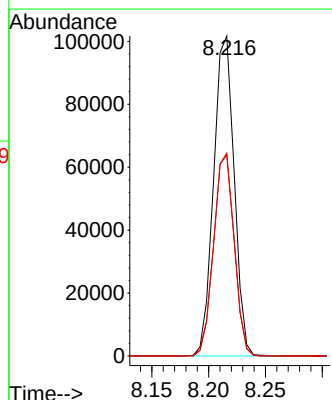
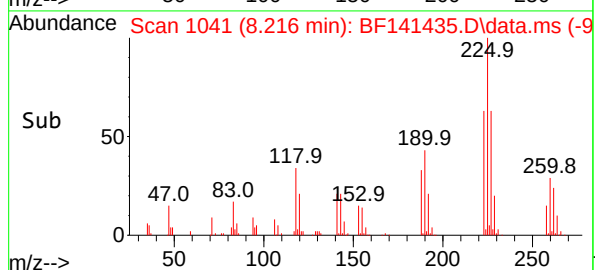
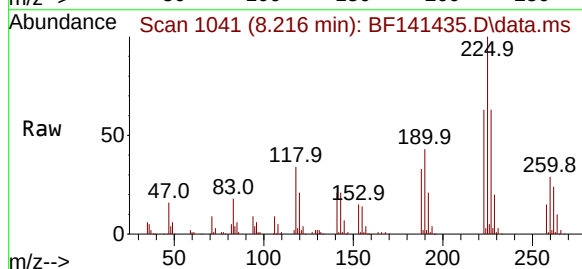
APPROVED

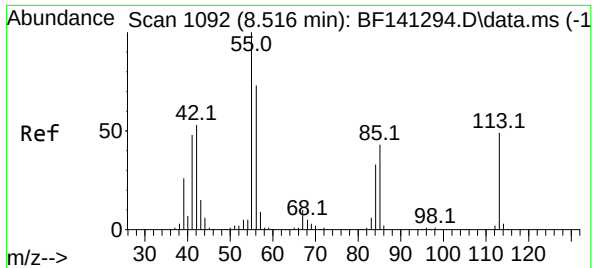
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 43.834 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

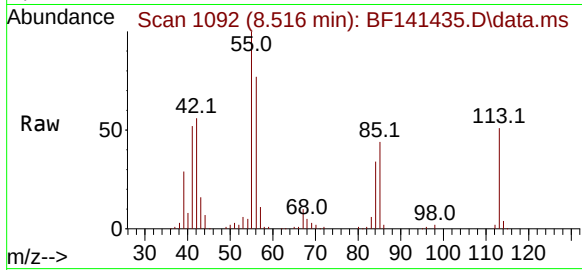
Tgt Ion:225 Resp: 128024
Ion Ratio Lower Upper
225 100
223 62.8 50.4 75.6
227 63.4 51.3 76.9





#35
Caprolactam
Concen: 39.058 ng
RT: 8.516 min Scan# 1092
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

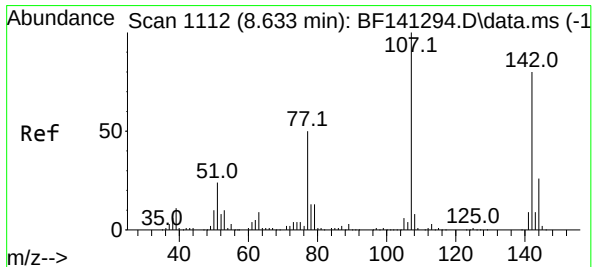
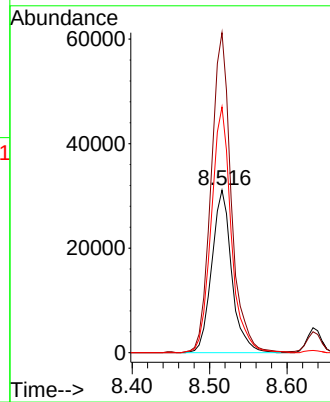
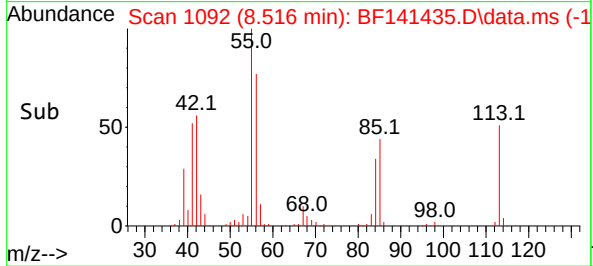
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 55628
Ion Ratio Lower Upper
113 100
55 196.8 182.9 222.9
56 151.2 127.9 167.9

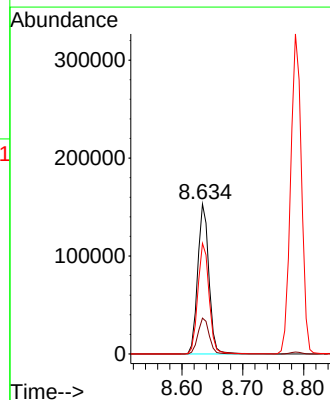
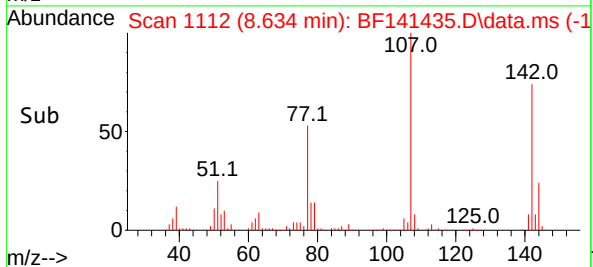
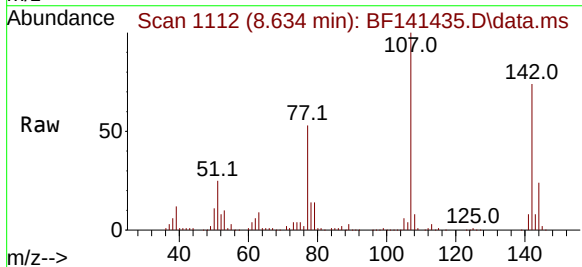
Manual Integrations
APPROVED

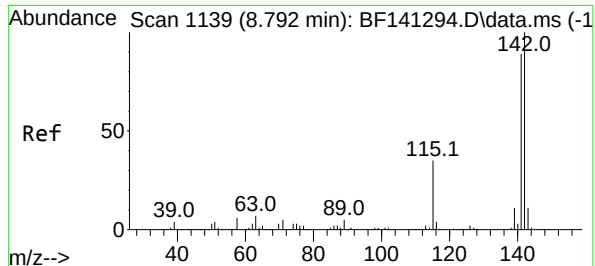
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#36
4-Chloro-3-methylphenol
Concen: 41.751 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:107 Resp: 195300
Ion Ratio Lower Upper
107 100
144 23.9 20.7 31.1
142 73.7 63.8 95.8





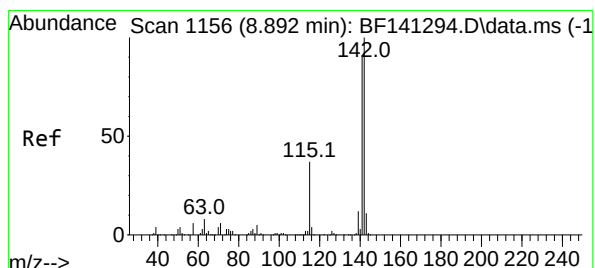
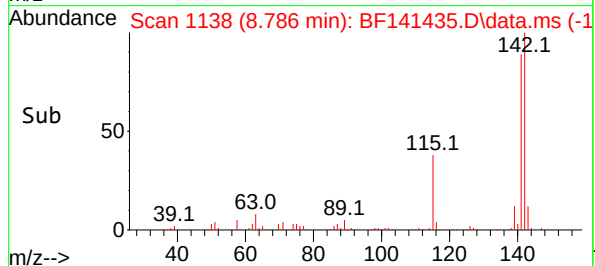
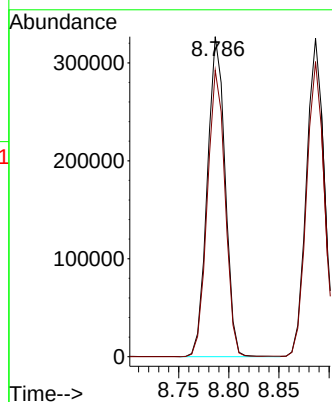
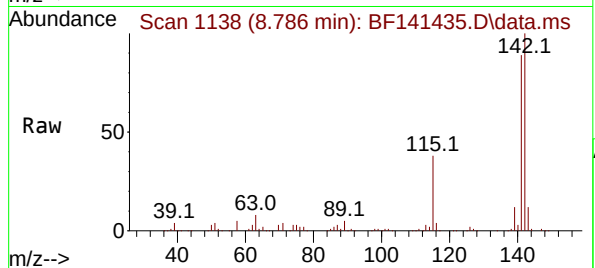
#37
2-Methylnaphthalene
Concen: 39.913 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 404544
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9

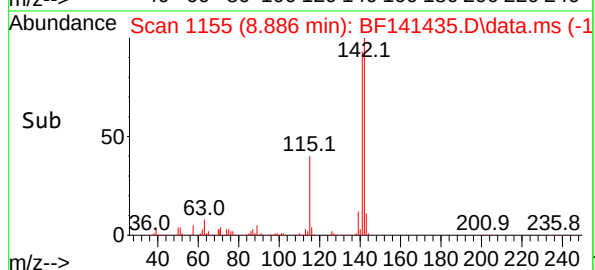
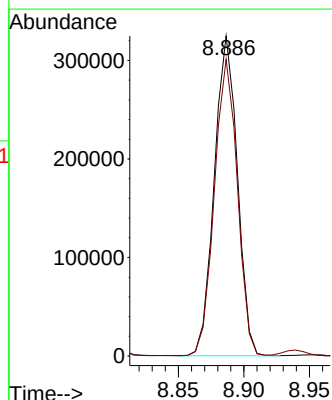
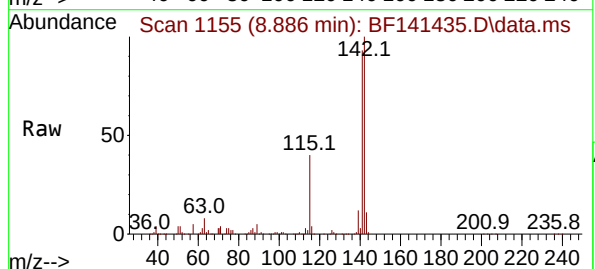
Manual Integrations
APPROVED

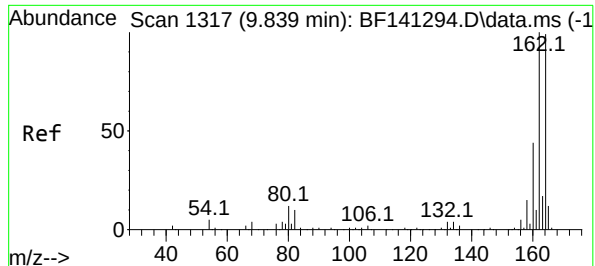
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 39.835 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:142 Resp: 396613
Ion Ratio Lower Upper
142 100
141 92.7 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141435.D

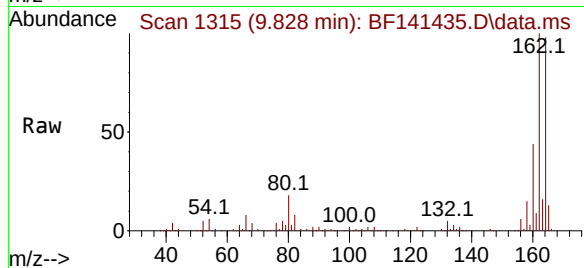
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 162758

Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

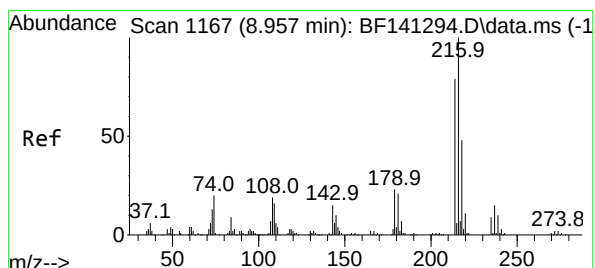
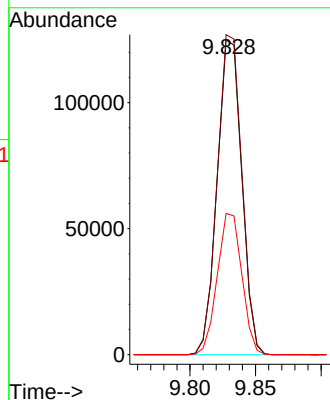
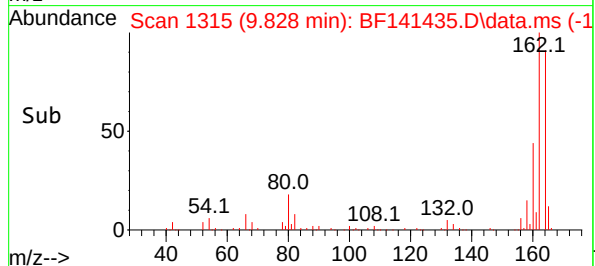
160 44.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.737 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Tgt Ion:216 Resp: 188623

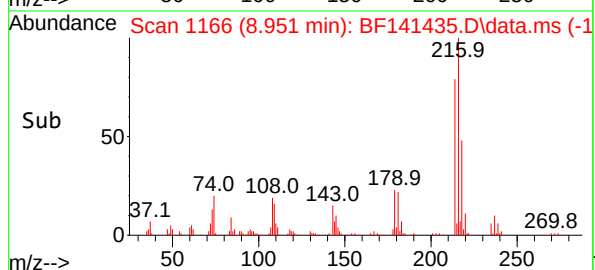
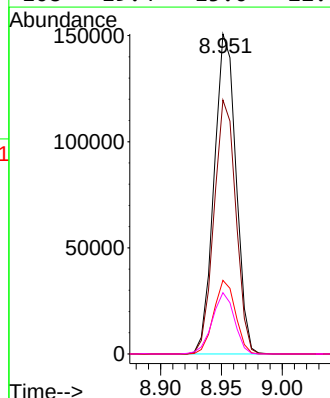
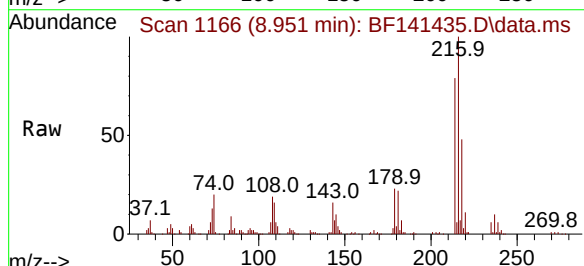
Ion Ratio Lower Upper

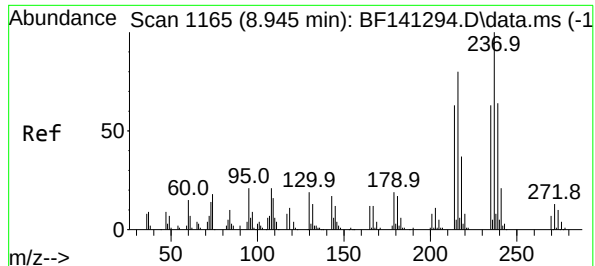
216 100

214 79.2 63.2 94.8

179 22.8 17.8 26.8

108 19.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 39.437 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 53928

Ion Ratio Lower Upper

237 100

235 64.5 42.9 82.9

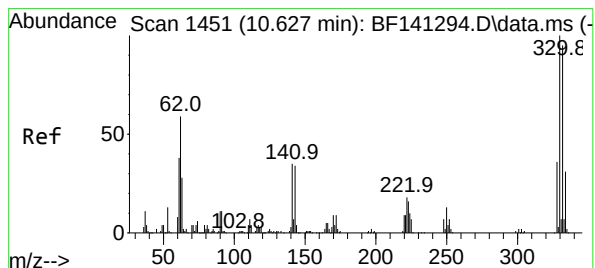
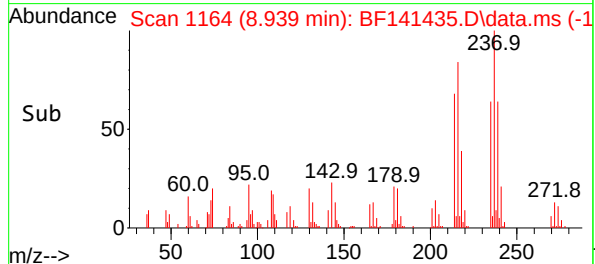
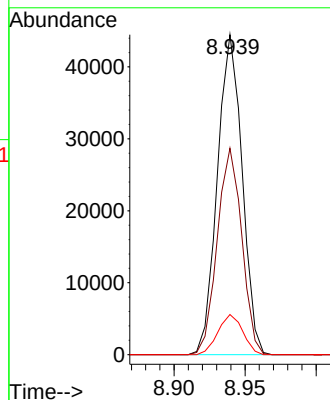
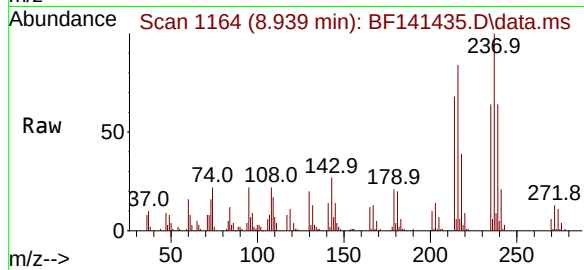
272 12.5 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 85.780 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

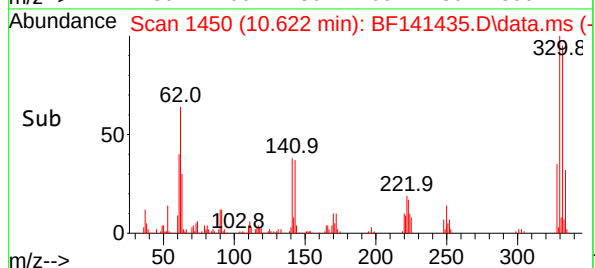
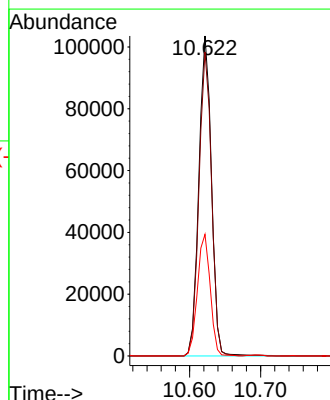
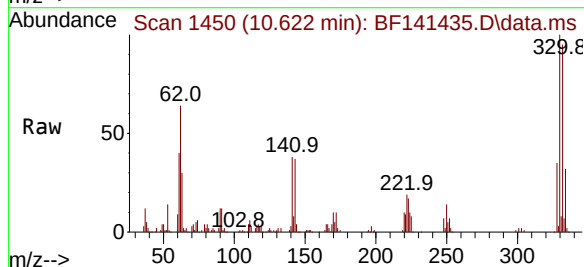
Tgt Ion:330 Resp: 127994

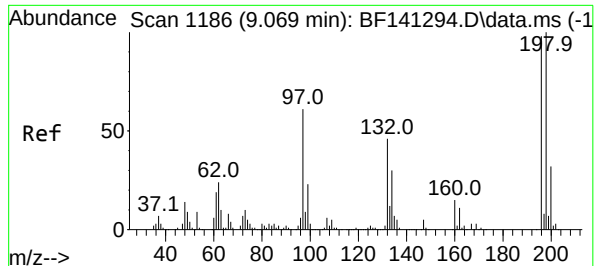
Ion Ratio Lower Upper

330 100

332 94.8 76.1 114.1

141 38.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.315 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141435.D

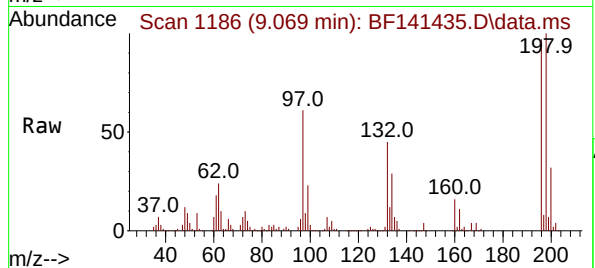
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:196 Resp: 12521

Ion Ratio Lower Upper

196 100

198 102.7 81.8 122.6

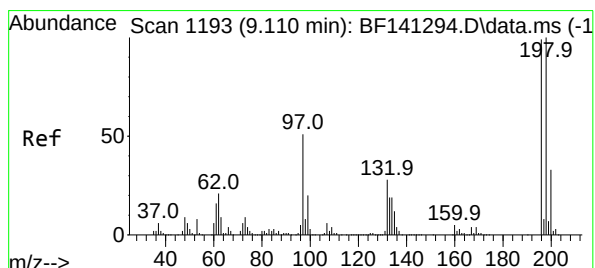
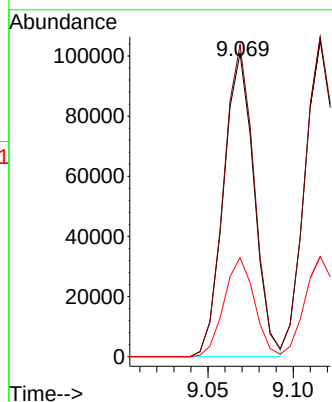
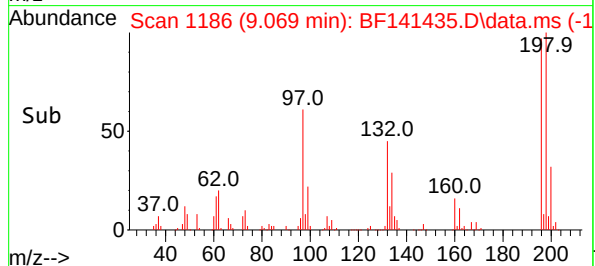
200 32.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#44

2,4,5-Trichlorophenol

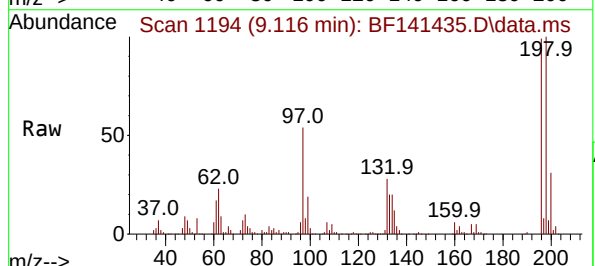
Concen: 41.284 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



Tgt Ion:196 Resp: 136179

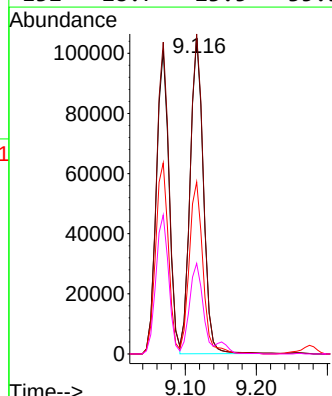
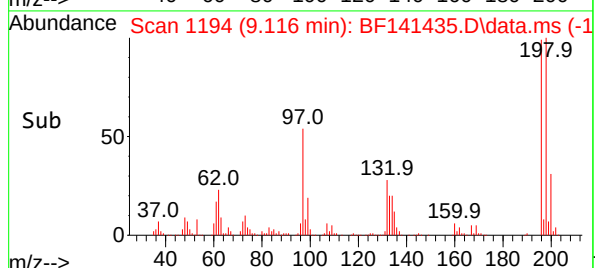
Ion Ratio Lower Upper

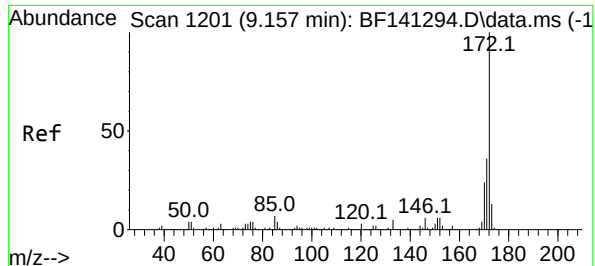
196 100

198 101.2 80.5 120.7

97 54.4 42.8 64.2

132 28.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 82.364 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 87093

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

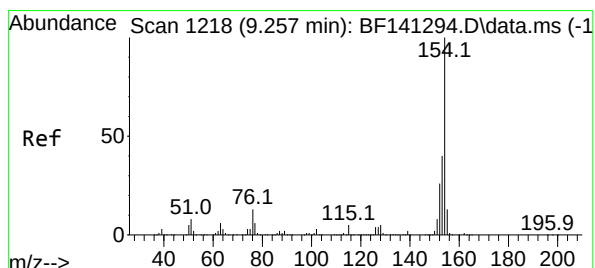
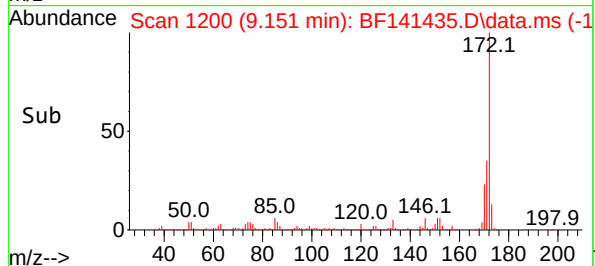
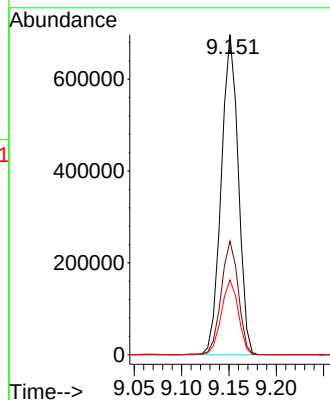
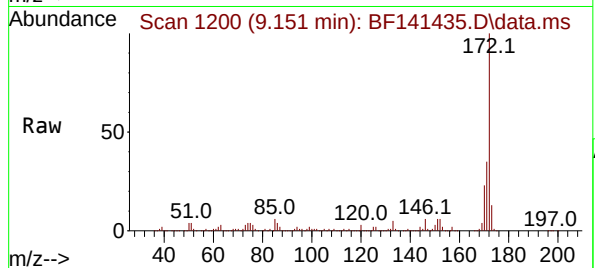
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 39.392 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

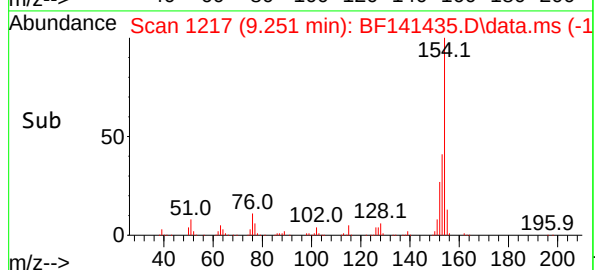
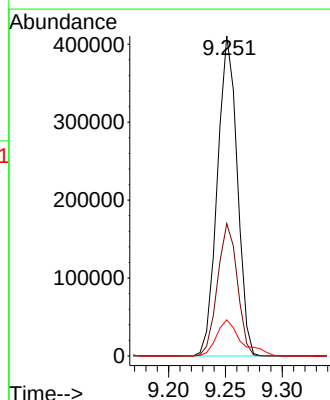
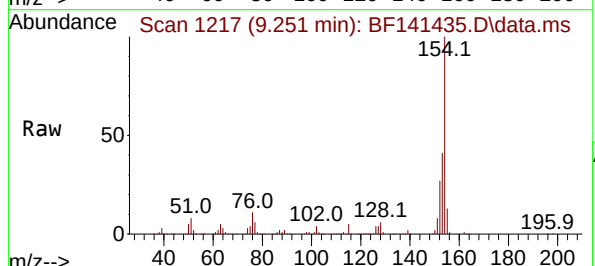
Tgt Ion:154 Resp: 500011

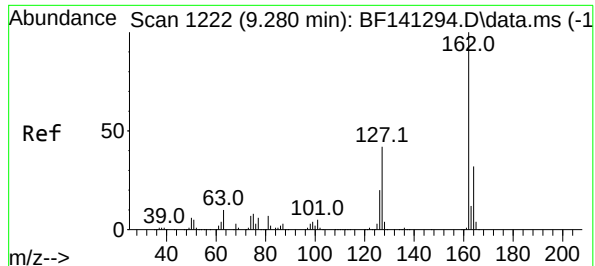
Ion Ratio Lower Upper

154 100

153 41.3 20.0 60.0

76 11.3 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.191 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 39763

Ion Ratio Lower Upper

162 100

127 42.2 33.7 50.5

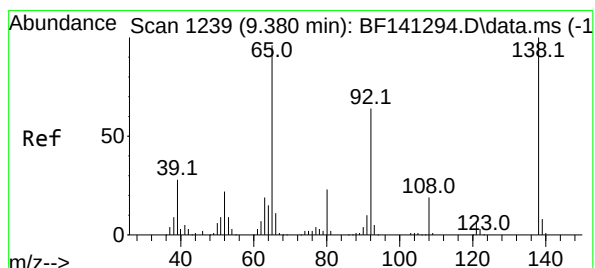
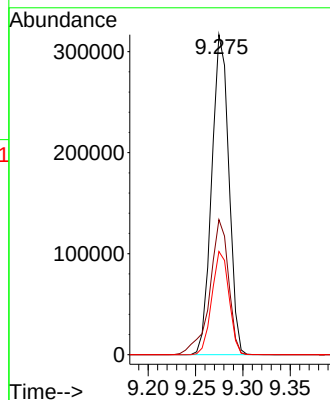
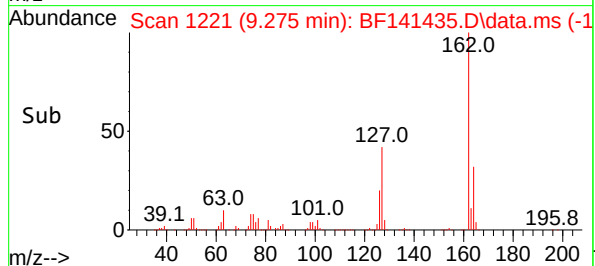
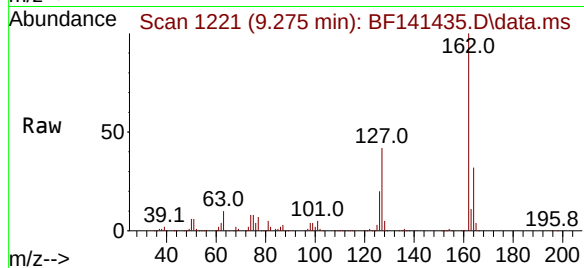
164 32.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 41.385 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

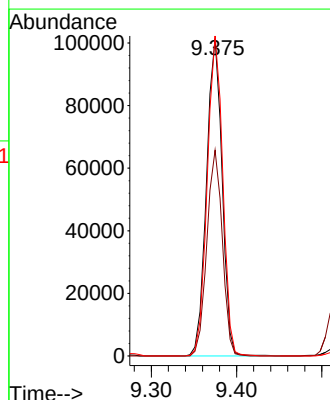
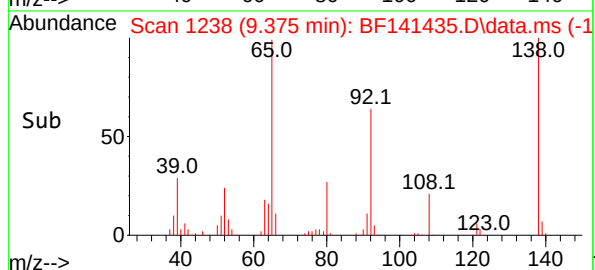
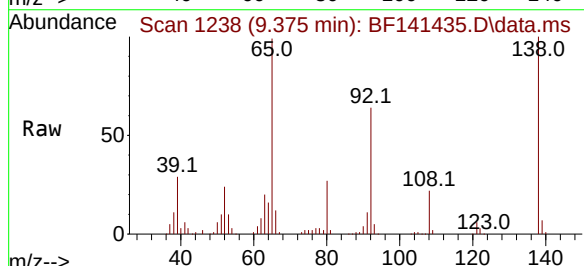
Tgt Ion: 65 Resp: 128787

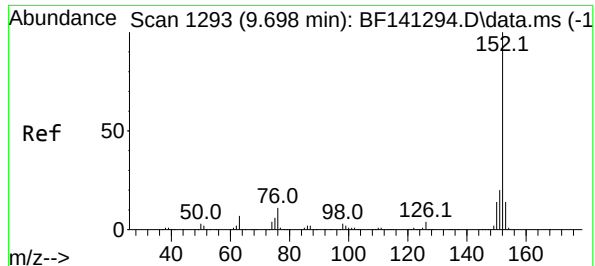
Ion Ratio Lower Upper

65 100

92 64.8 53.3 79.9

138 100.8 83.6 125.4





#49

Acenaphthylene

Concen: 39.872 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141435.D

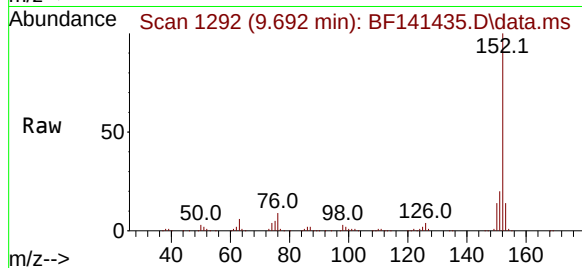
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 552204

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

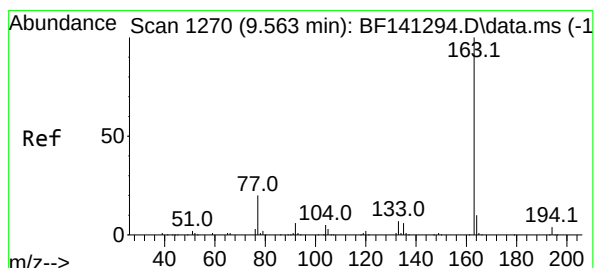
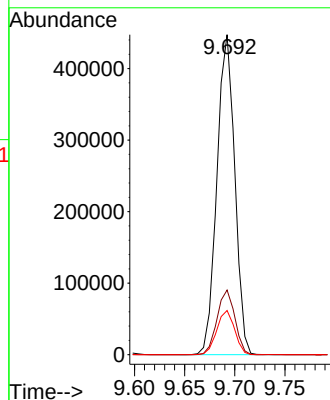
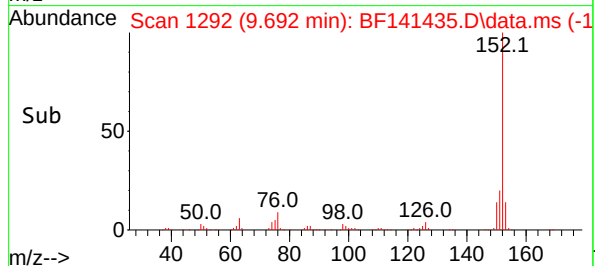
153 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

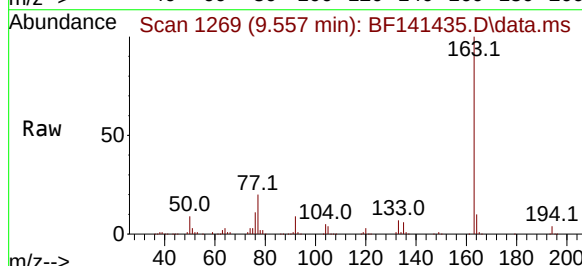
Concen: 39.828 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



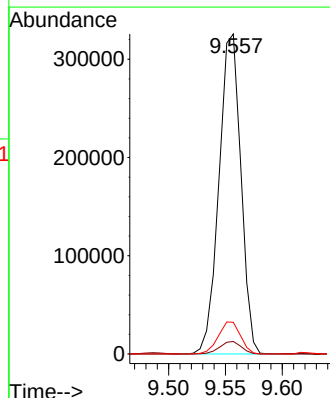
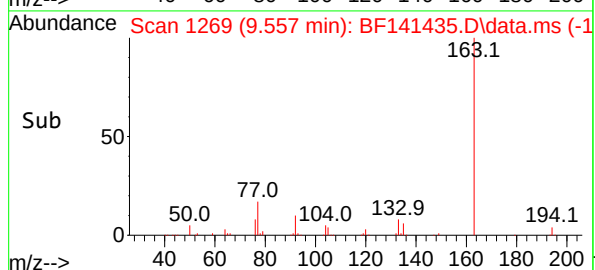
Tgt Ion:163 Resp: 437816

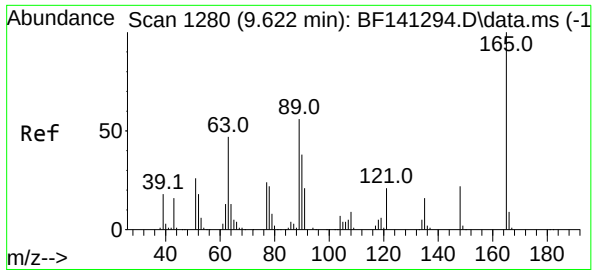
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

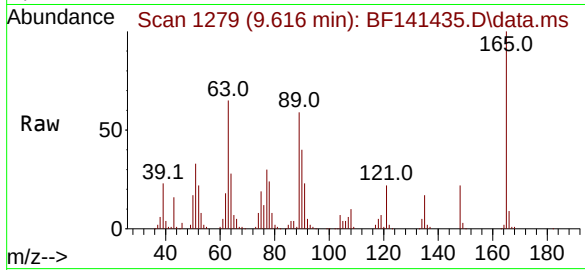
164 9.9 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 40.695 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

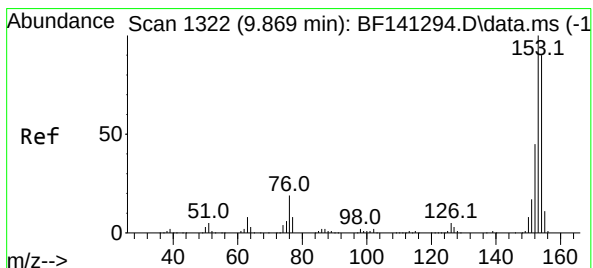
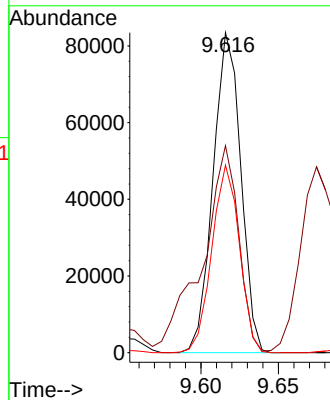
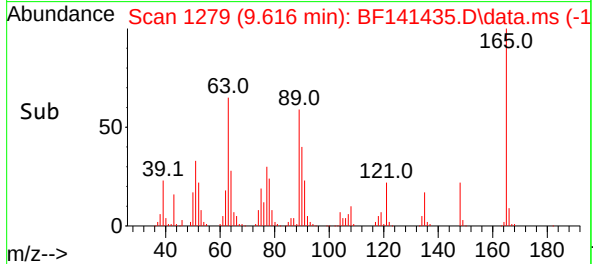
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:165 Resp: 10386
Ion Ratio Lower Upper
165 100
63 64.7 48.1 72.1
89 58.6 44.9 67.3

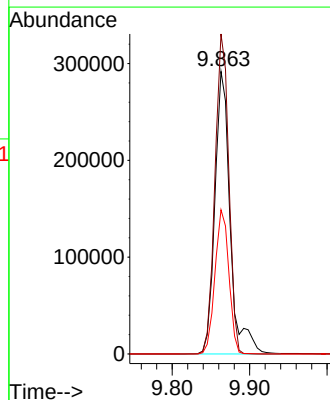
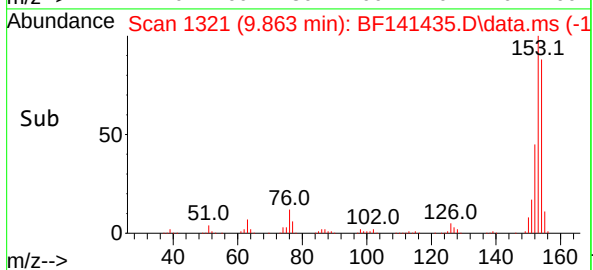
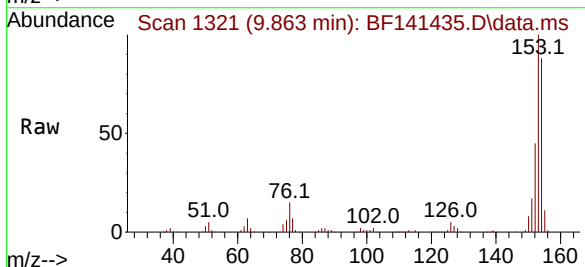
Manual Integrations
APPROVED

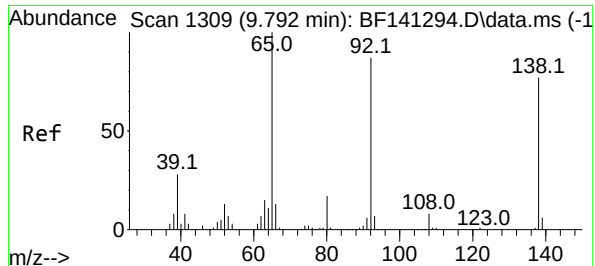
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 40.520 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:154 Resp: 400902
Ion Ratio Lower Upper
154 100
153 113.2 89.0 133.4
152 51.0 40.2 60.4





#53

3-Nitroaniline

Concen: 40.165 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 100479

Ion Ratio Lower Upper

138 100

108 11.0 8.6 12.8

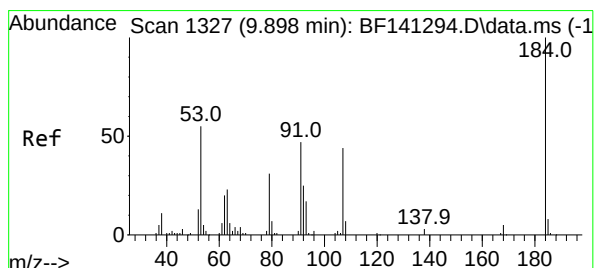
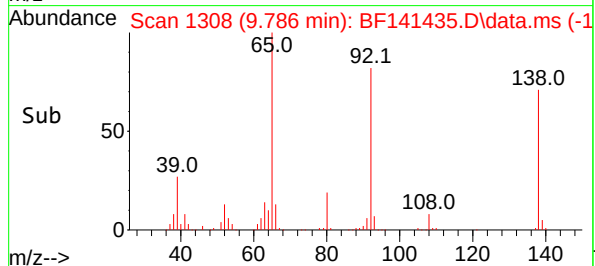
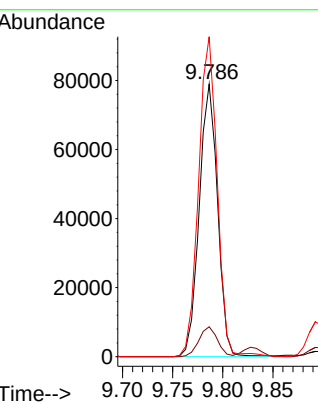
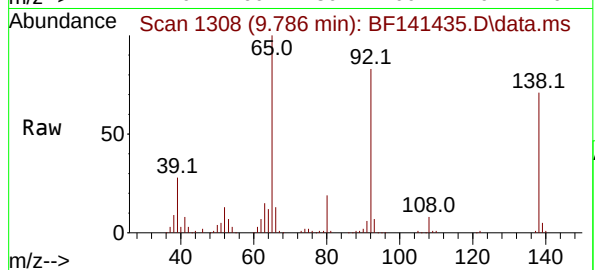
92 117.4 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 43.990 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

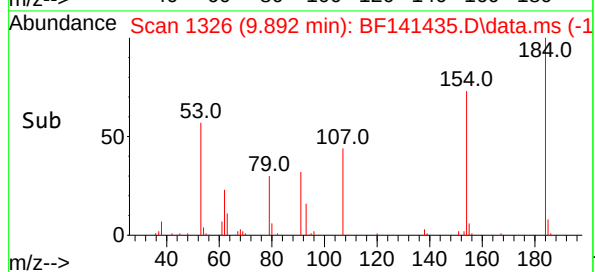
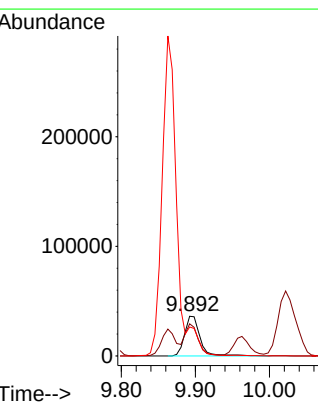
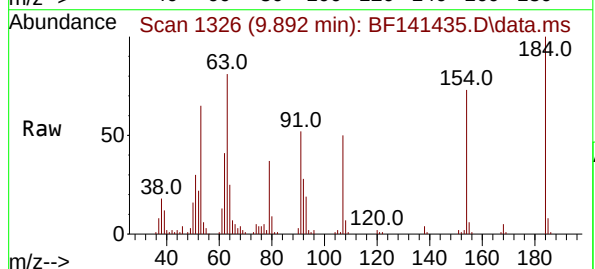
Tgt Ion:184 Resp: 52193

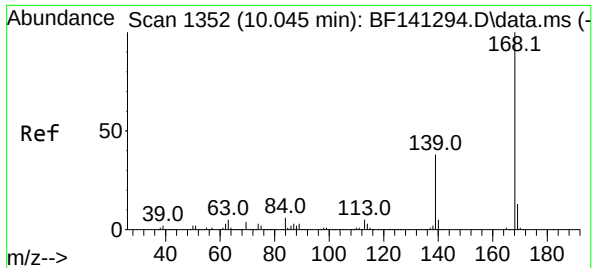
Ion Ratio Lower Upper

184 100

63 81.2 54.1 81.1#

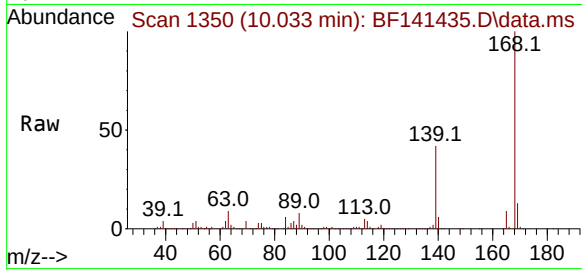
154 73.0 50.7 76.1





#55
Dibenzenofuran
Concen: 39.973 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

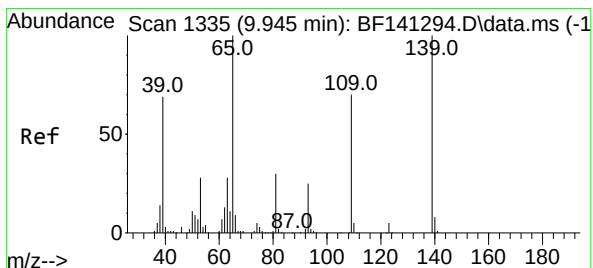
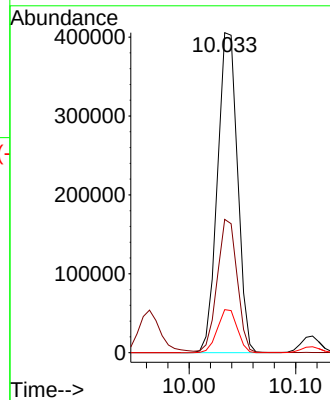
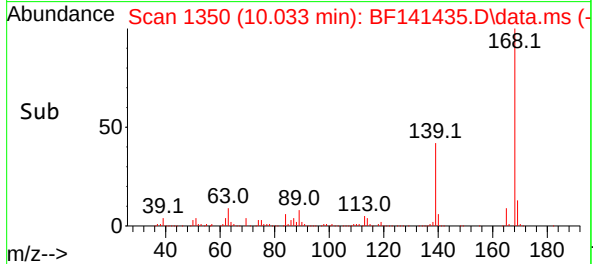
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 529389
Ion Ratio Lower Upper
168 100
139 41.6 30.6 46.0
169 13.4 10.8 16.2

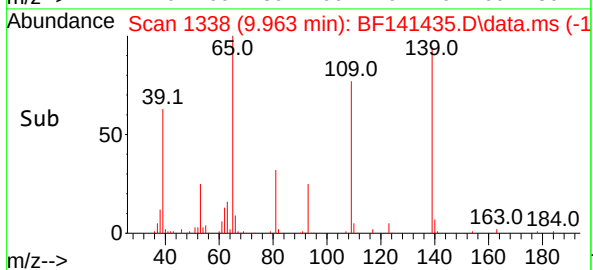
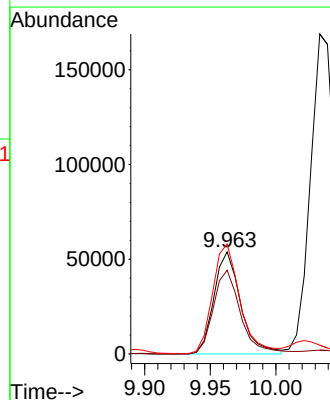
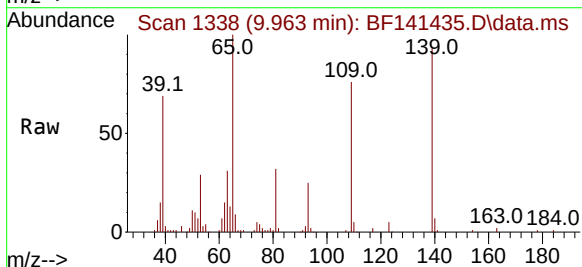
Manual Integrations
APPROVED

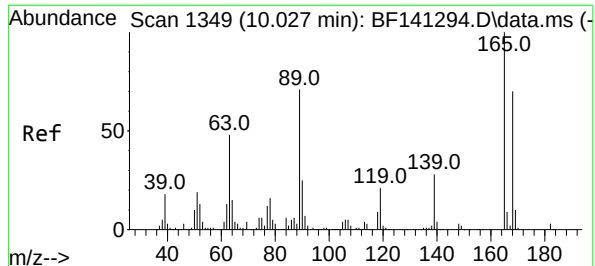
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 41.844 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:139 Resp: 76553
Ion Ratio Lower Upper
139 100
109 82.0 50.2 90.2
65 107.8 80.6 120.6





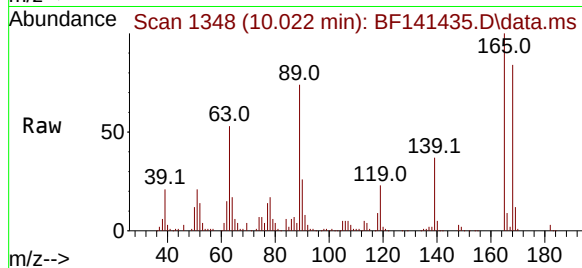
#57
2,4-Dinitrotoluene
Concen: 42.144 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

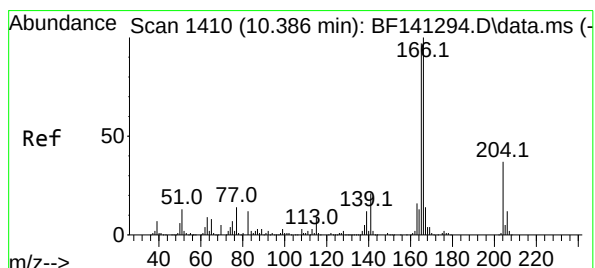
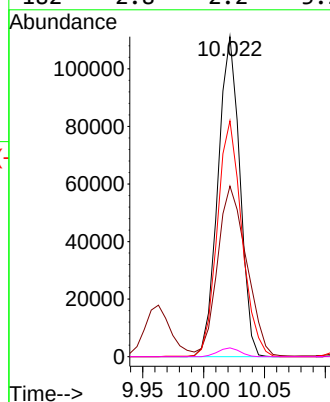
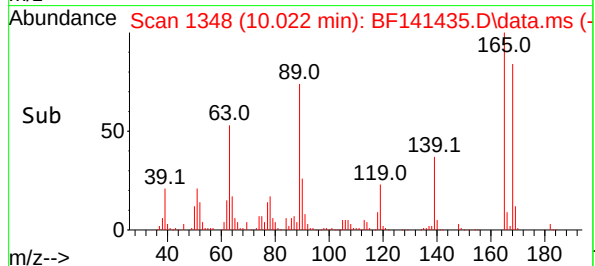


Tgt Ion:165 Resp: 13926
Ion Ratio Lower Upper
165 100
63 53.3 39.2 58.8
89 73.7 56.9 85.3
182 2.8 2.2 3.2

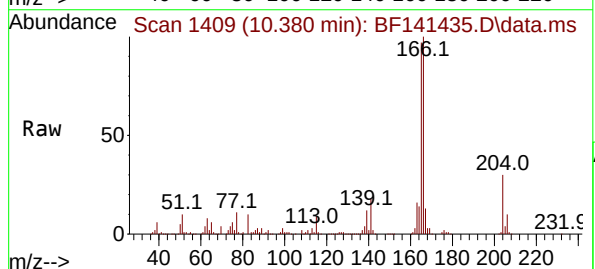
Manual Integrations

APPROVED

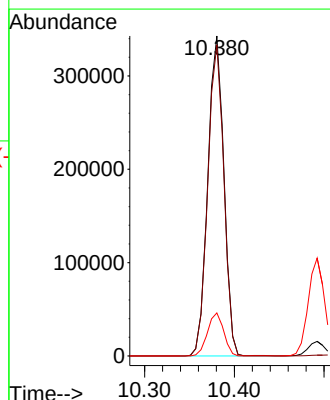
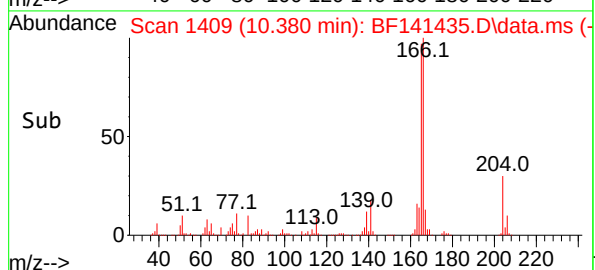
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

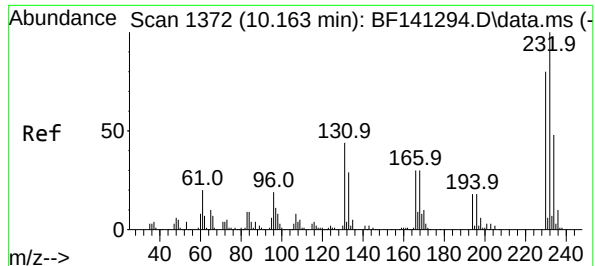


#58
Fluorene
Concen: 41.573 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



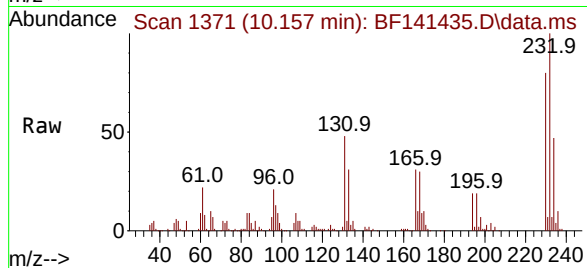
Tgt Ion:166 Resp: 427075
Ion Ratio Lower Upper
166 100
165 97.3 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.052 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

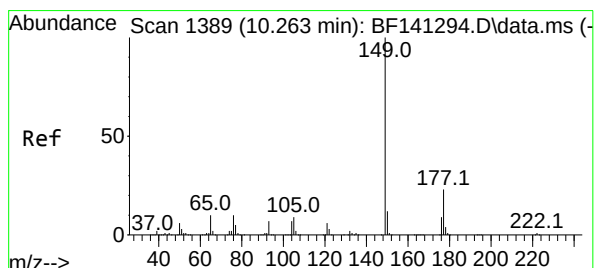
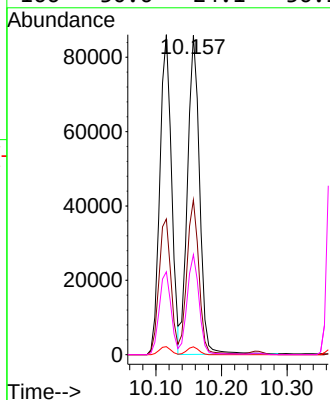
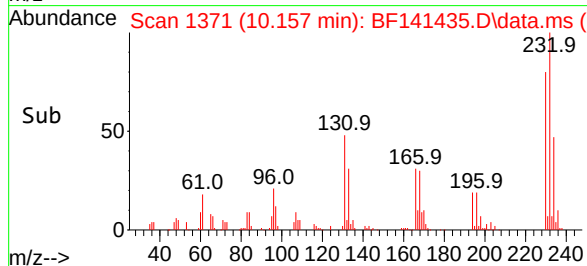
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



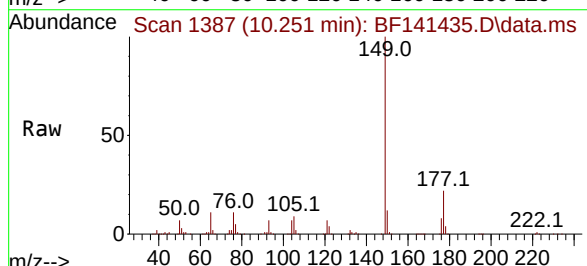
Tgt Ion:232 Resp: 109120
Ion Ratio Lower Upper
232 100
131 48.6 36.4 54.6
130 2.4 1.9 2.9
166 30.6 24.1 36.1

Manual Integrations
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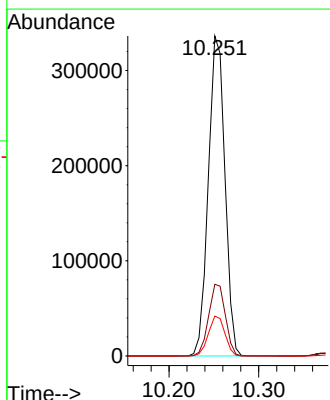
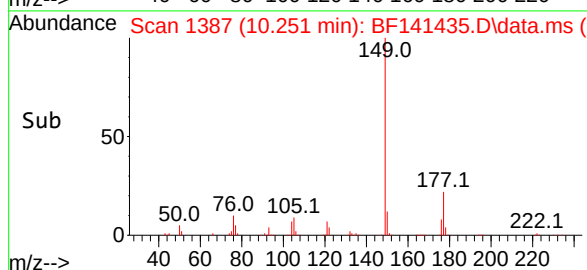
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

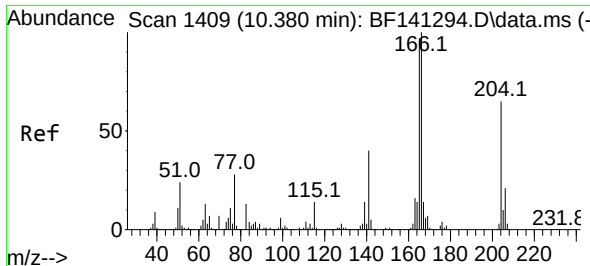


#60
Diethylphthalate
Concen: 40.510 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:149 Resp: 431776
Ion Ratio Lower Upper
149 100
177 22.4 18.5 27.7
150 12.5 10.0 15.0





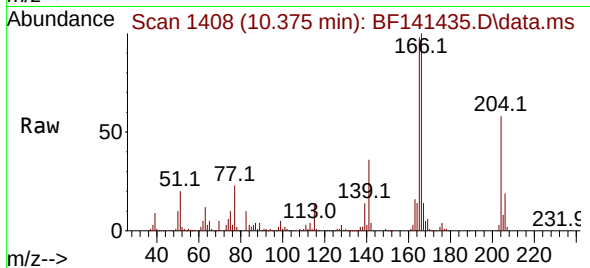
#61
4-Chlorophenyl-phenylether
Concen: 41.761 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

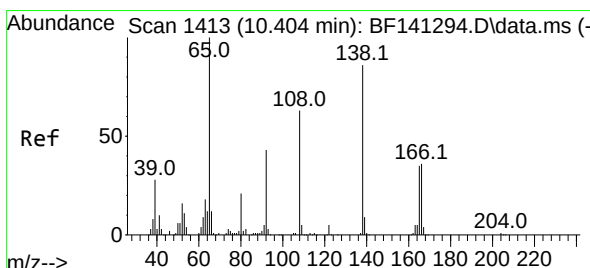
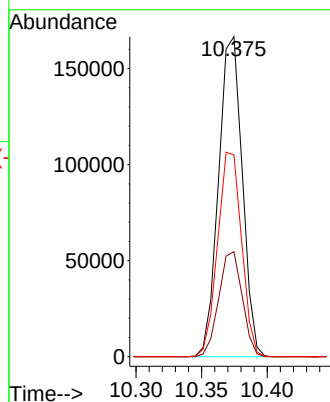
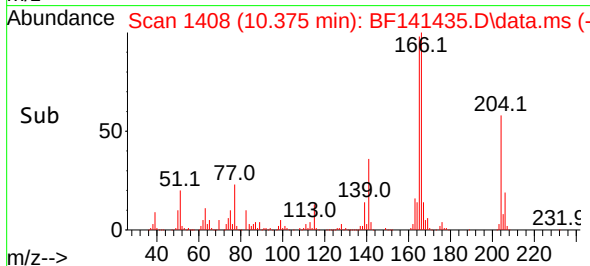


Tgt Ion:204 Resp: 20955
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 63.0 49.5 74.3

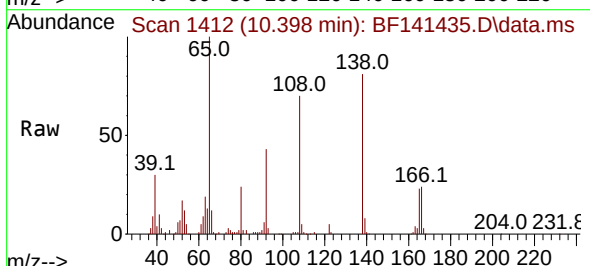
Manual Integrations

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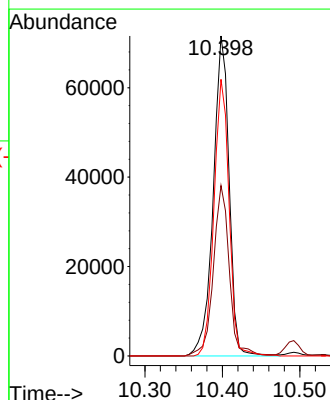
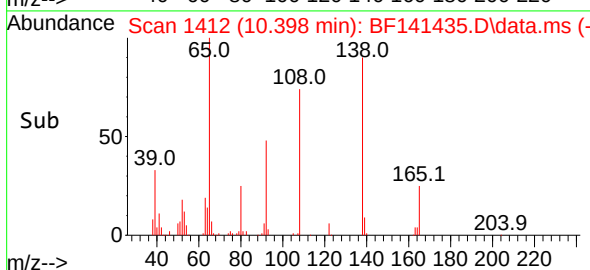
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

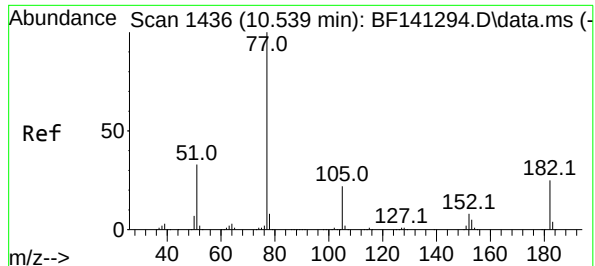


#62
4-Nitroaniline
Concen: 41.554 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



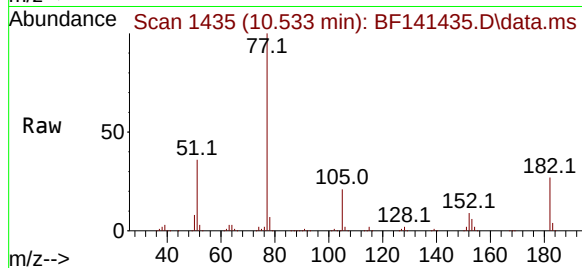
Tgt Ion:138 Resp: 102198
Ion Ratio Lower Upper
138 100
92 53.3 30.1 70.1
108 86.4 53.1 93.1





#63
Azobenzene
Concen: 38.055 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

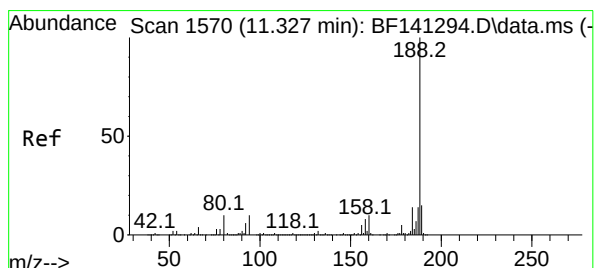
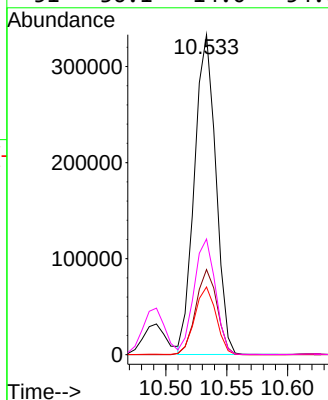
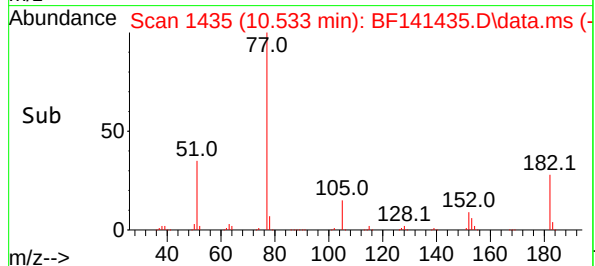
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



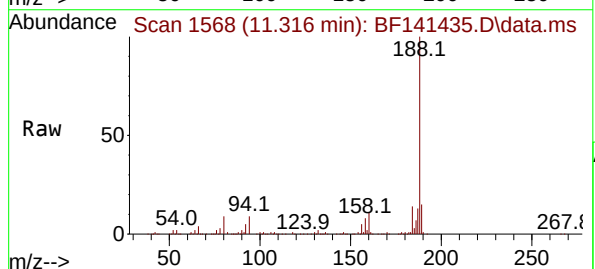
Tgt Ion: 77 Resp: 406009
Ion Ratio Lower Upper
77 100
182 26.6 5.1 45.1
105 21.2 1.8 41.8
51 36.1 14.0 54.0

Manual Integrations
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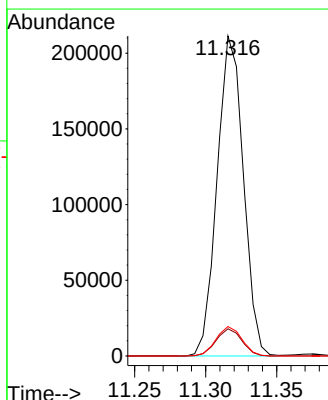
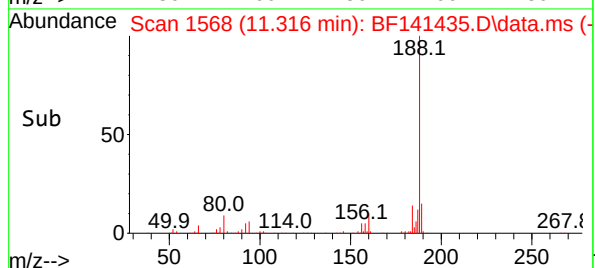
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

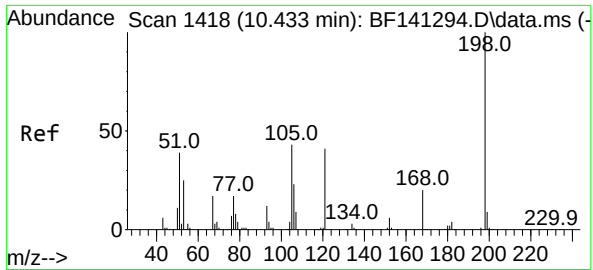


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



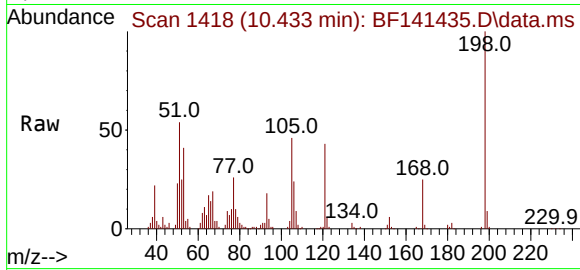
Tgt Ion:188 Resp: 271503
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.2 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 45.776 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

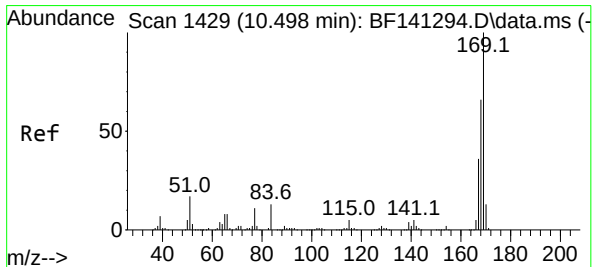
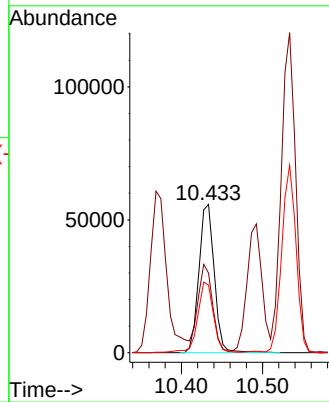
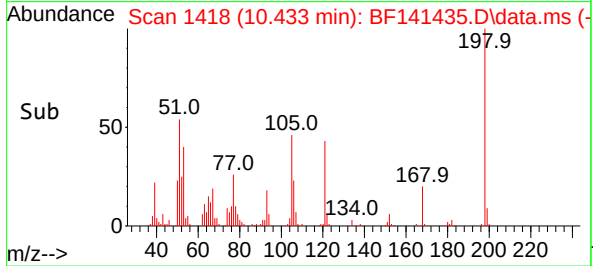
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:198 Resp: 73514
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 45.7 24.4 64.4

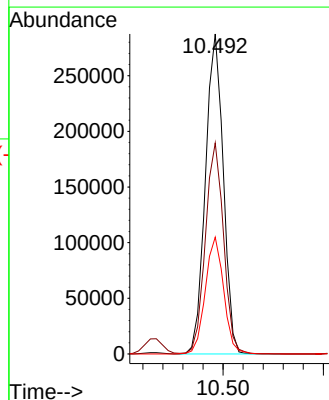
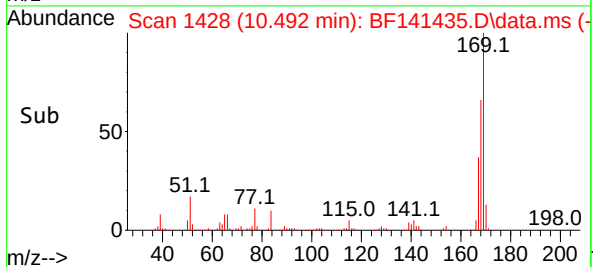
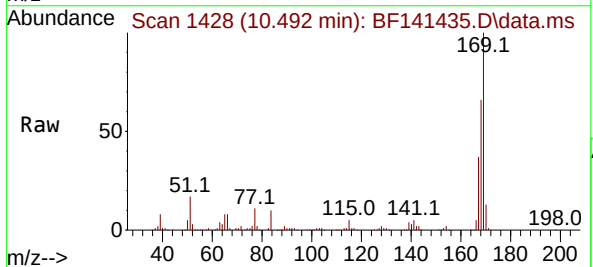
Manual Integrations
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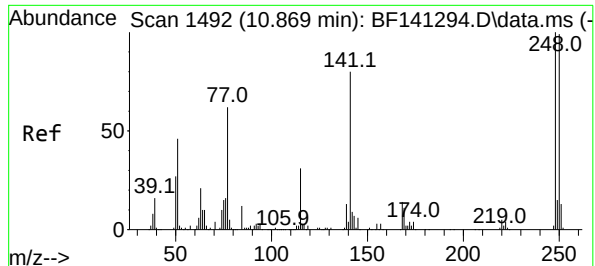
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 40.601 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

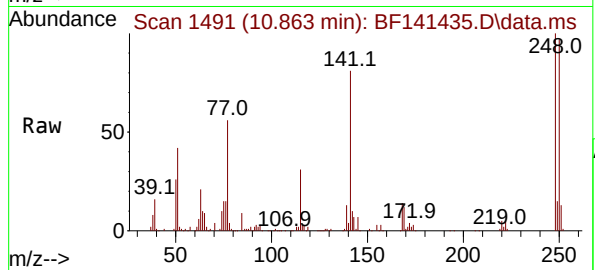
Tgt Ion:169 Resp: 356533
Ion Ratio Lower Upper
169 100
168 65.9 53.0 79.4
167 36.5 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.249 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

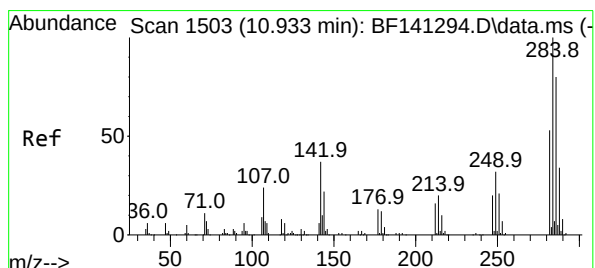
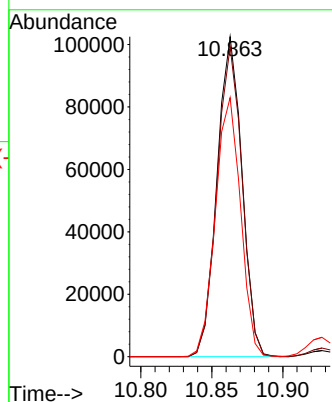
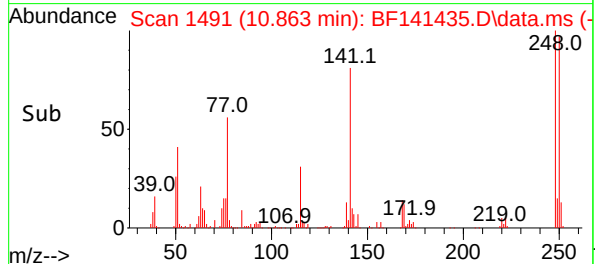
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



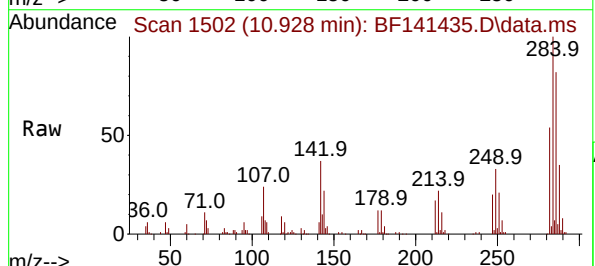
Tgt Ion:248 Resp: 125379
Ion Ratio Lower Upper
248 100
250 96.9 79.0 118.4
141 81.0 63.7 95.5

Manual Integrations
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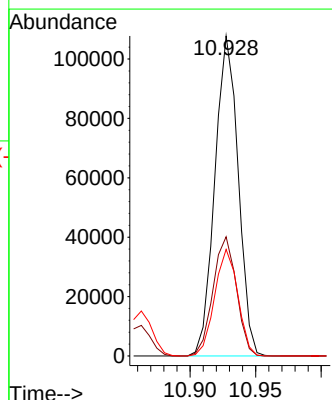
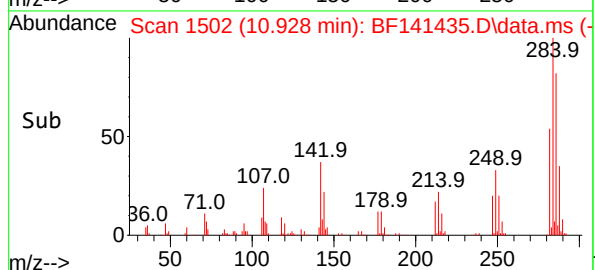
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

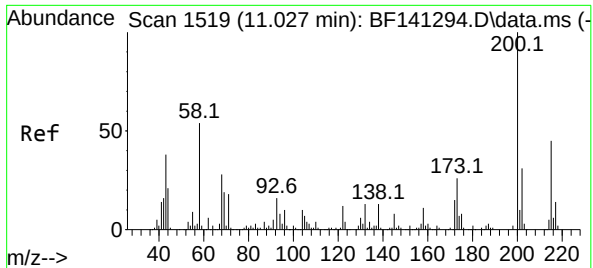


#68
Hexachlorobenzene
Concen: 41.354 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:284 Resp: 133335
Ion Ratio Lower Upper
284 100
142 37.2 29.5 44.3
249 33.3 25.4 38.2





#69

Atrazine

Concen: 37.040 ng

RT: 11.022 min Scan# 1518

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 10875

Ion Ratio Lower Upper

200 100

173 25.1 5.9 45.9

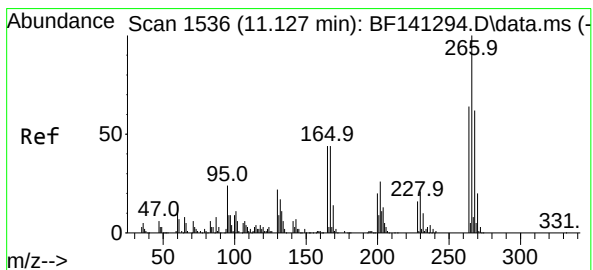
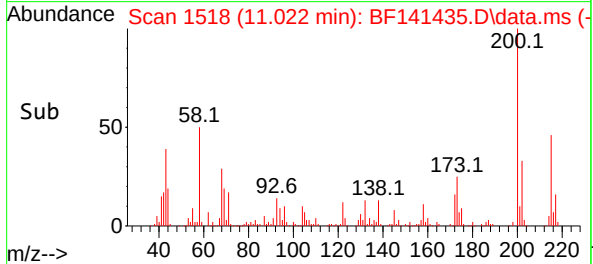
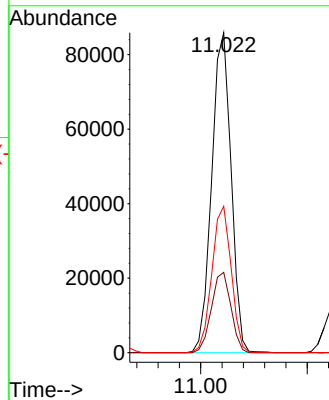
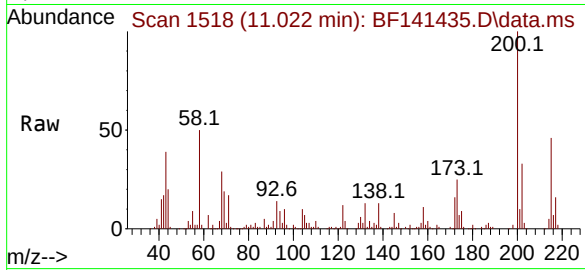
215 45.7 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 43.436 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

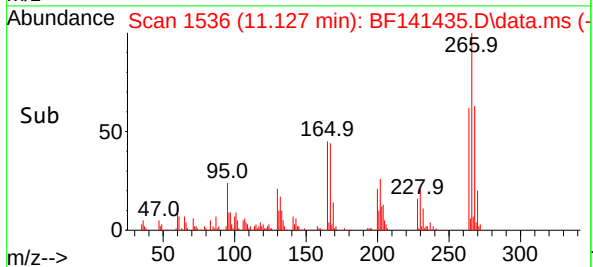
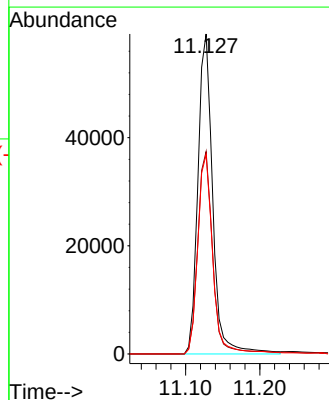
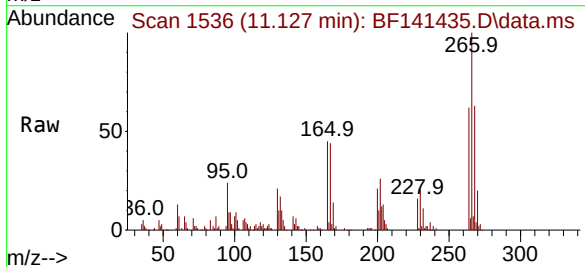
Tgt Ion:266 Resp: 82010

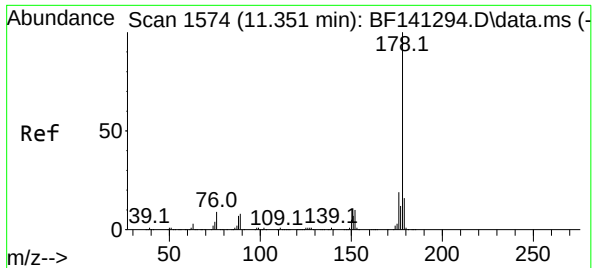
Ion Ratio Lower Upper

266 100

268 63.2 49.9 74.9

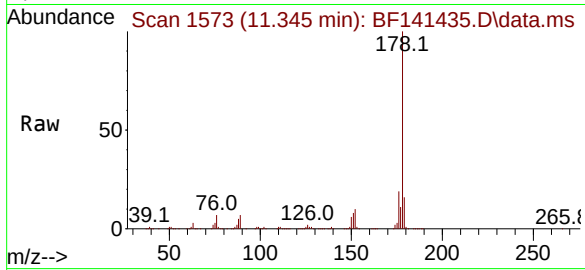
264 62.3 51.0 76.4





#71
Phenanthrene
Concen: 41.476 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

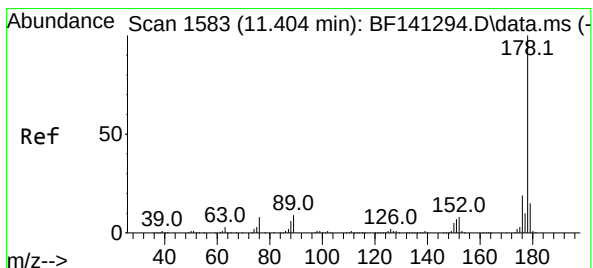
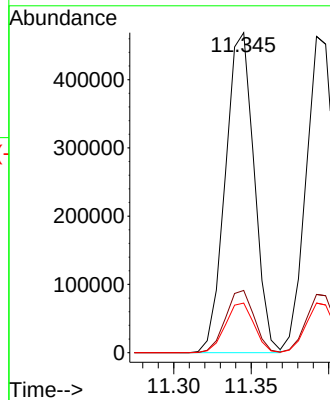
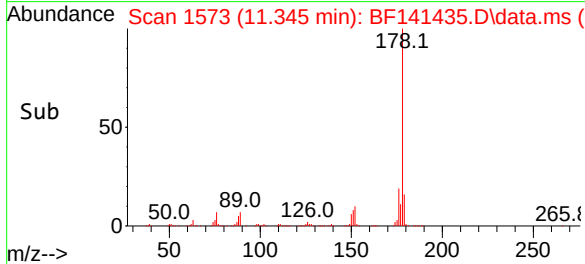
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 60531
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.5 18.7

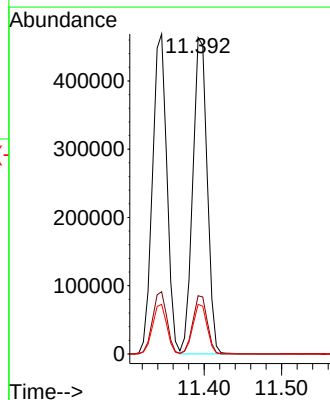
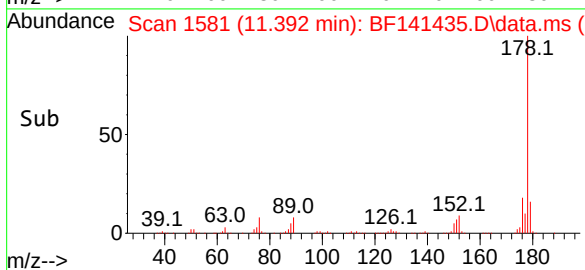
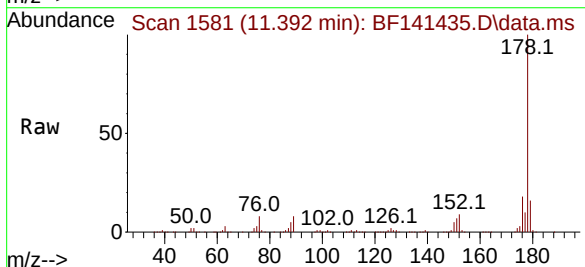
Manual Integrations
APPROVED

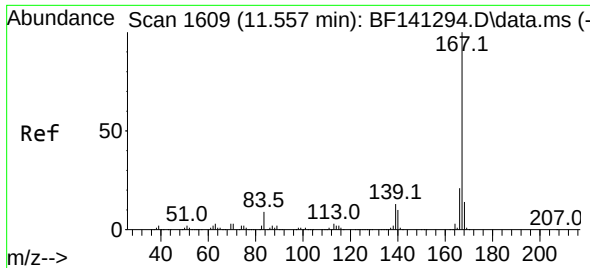
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 41.812 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

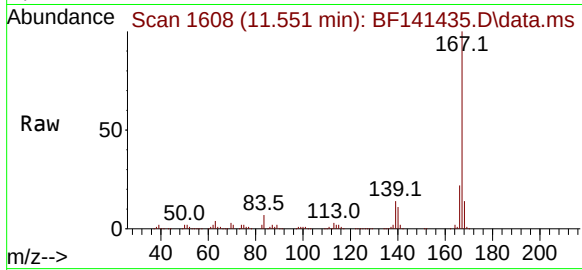
Tgt Ion:178 Resp: 597915
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.7 12.3 18.5





#73
 Carbazole
 Concen: 43.048 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141435.D
 Acq: 05 Feb 2025 10:02

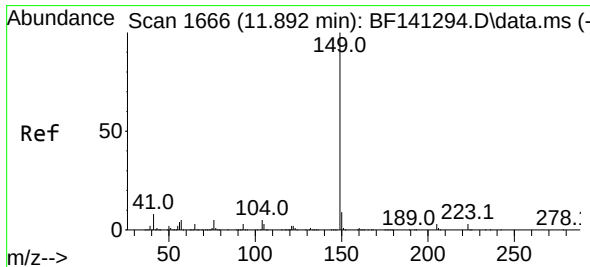
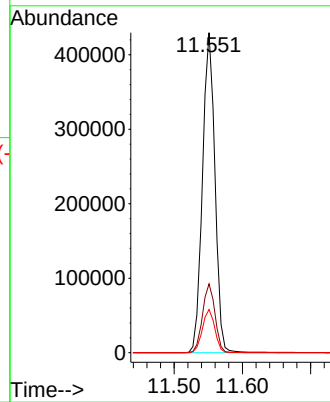
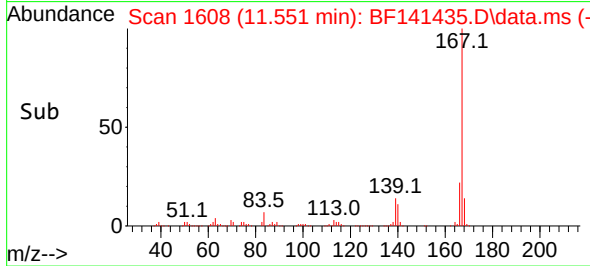
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



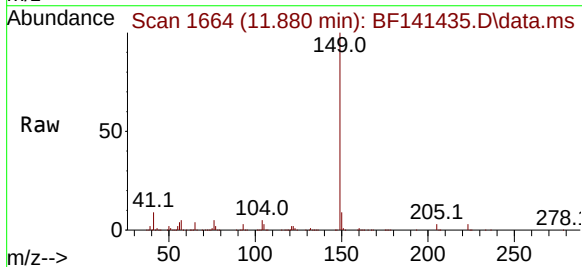
Tgt Ion:167 Resp: 54585
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 13.5 10.6 16.0

Manual Integrations
 APPROVED

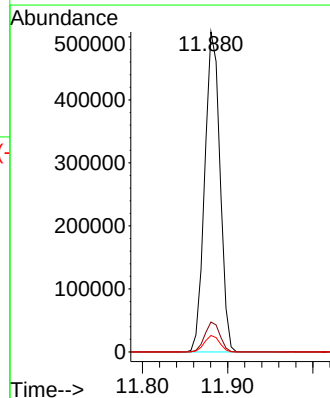
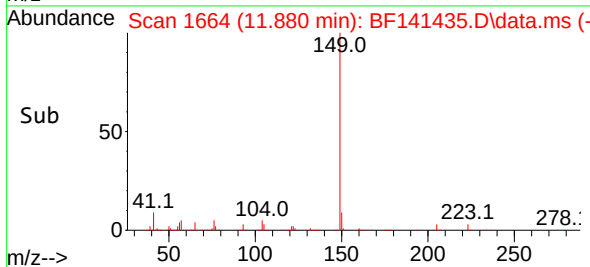
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

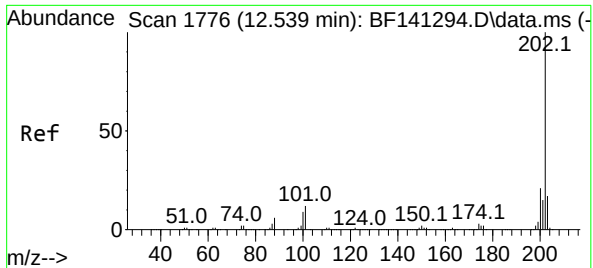


#74
 Di-n-butylphthalate
 Concen: 41.155 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141435.D
 Acq: 05 Feb 2025 10:02



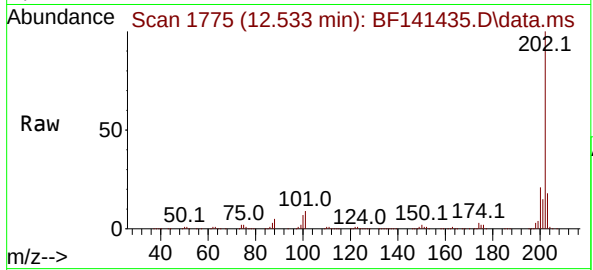
Tgt Ion:149 Resp: 632426
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.2 3.9 5.9





#75
Fluoranthene
Concen: 43.486 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

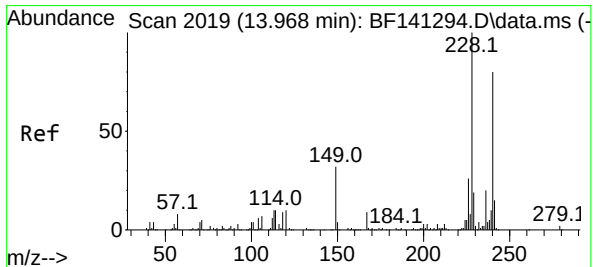
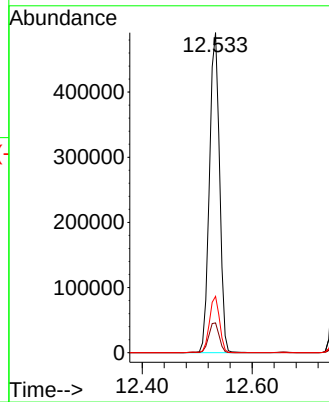
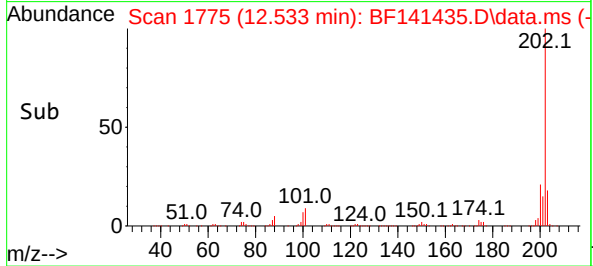
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:202 Resp: 626640
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.7
203 17.6 0.0 37.5

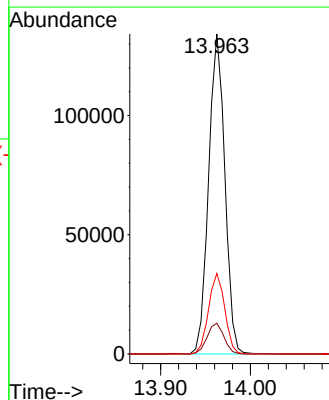
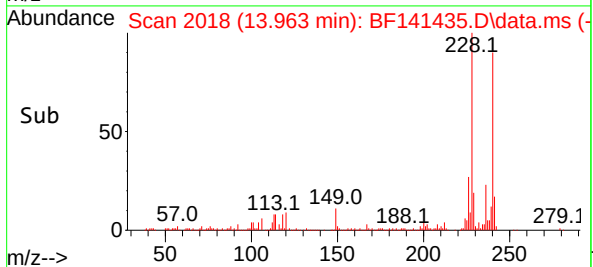
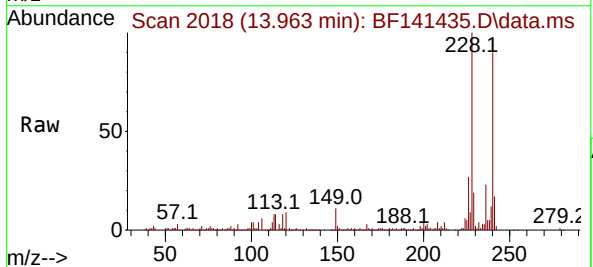
Manual Integrations
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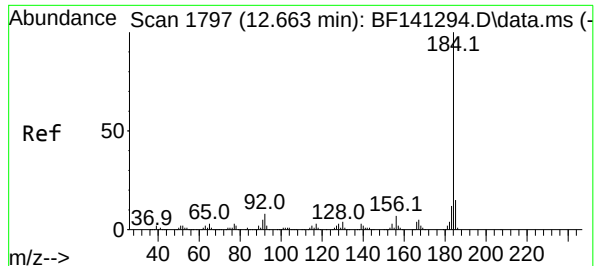
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:240 Resp: 168458
Ion Ratio Lower Upper
240 100
120 9.6 10.0 15.0#
236 25.2 19.7 29.5





#77

Benzidine

Concen: 38.432 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 207554

Ion Ratio Lower Upper

184 100

185 13.7 11.9 17.9

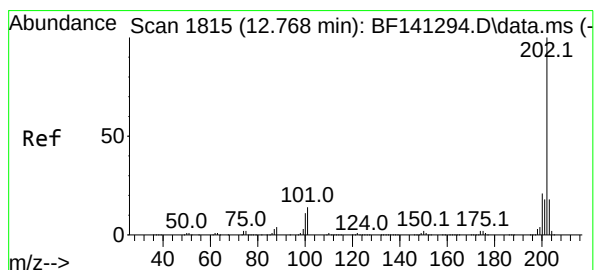
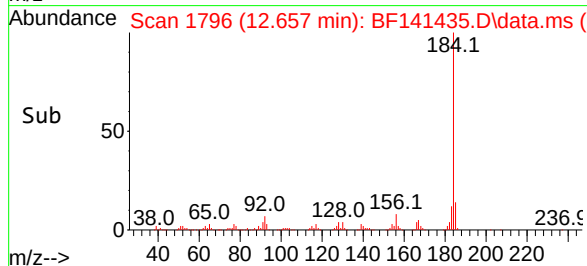
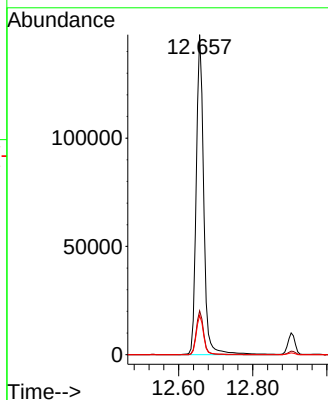
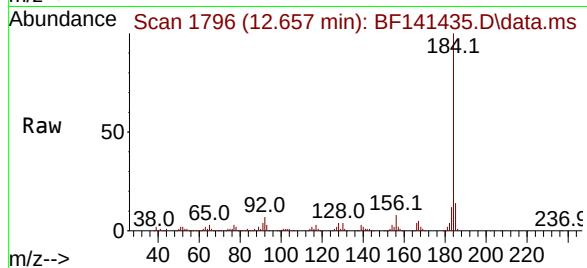
183 12.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 39.047 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

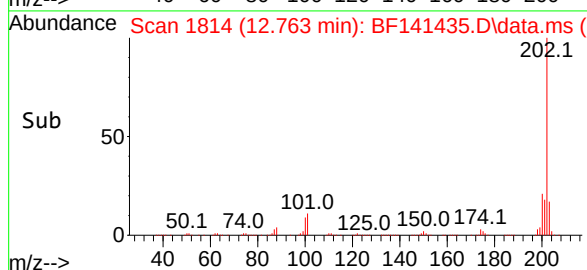
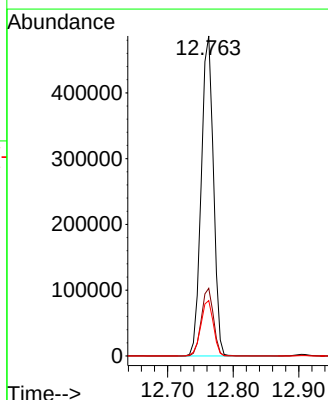
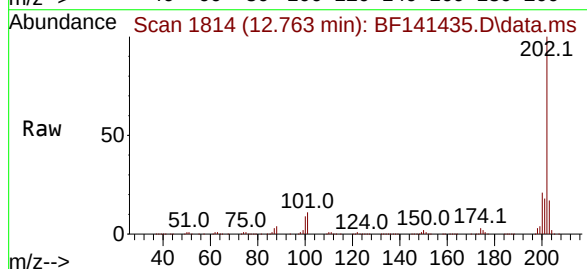
Tgt Ion:202 Resp: 631407

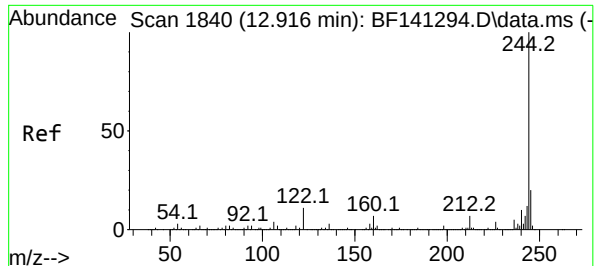
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.3 14.3 21.5





#79

Terphenyl-d14

Concen: 79.581 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 86928

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

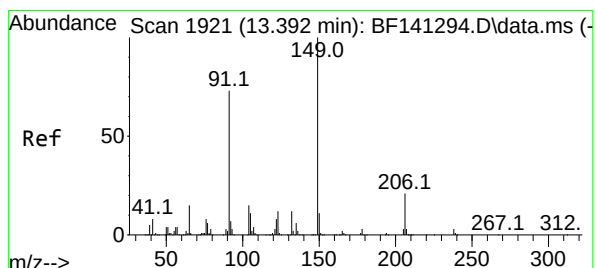
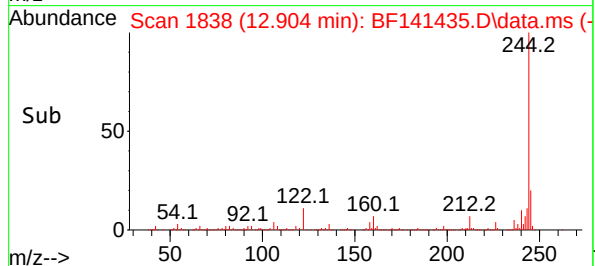
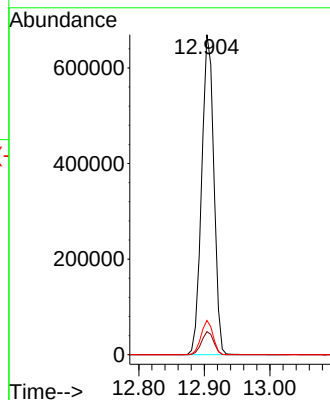
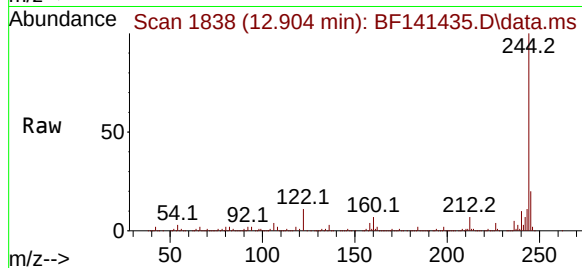
122 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 39.778 ng

RT: 13.380 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

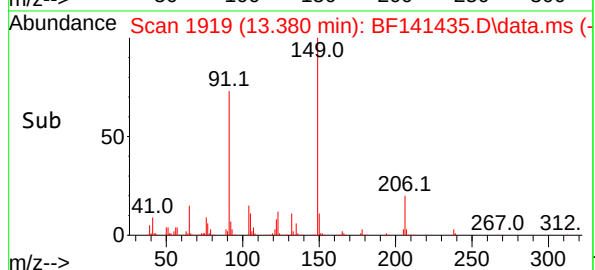
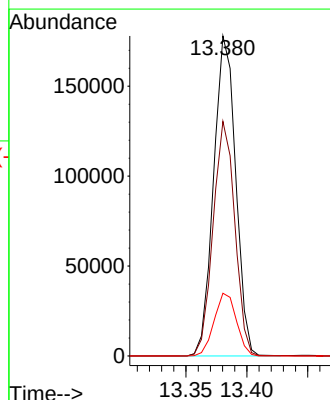
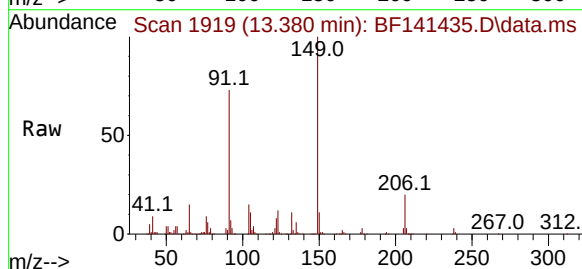
Tgt Ion:149 Resp: 224717

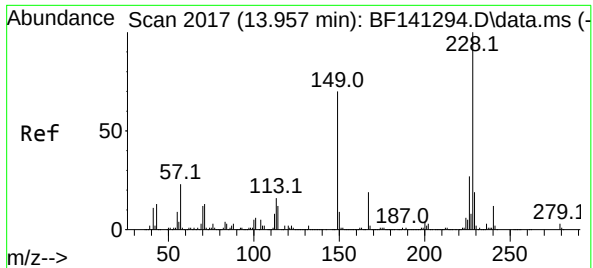
Ion Ratio Lower Upper

149 100

91 73.3 58.6 87.8

206 19.6 16.7 25.1





#81

Benzo(a)anthracene

Concen: 37.964 ng

RT: 13.951 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141435.D

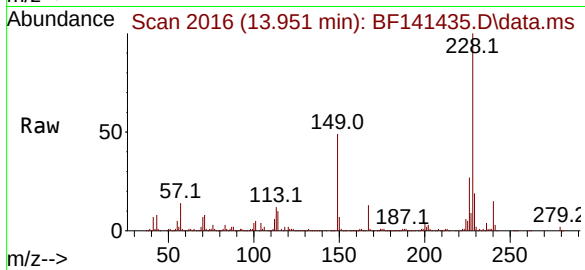
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:228 Resp: 441320

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

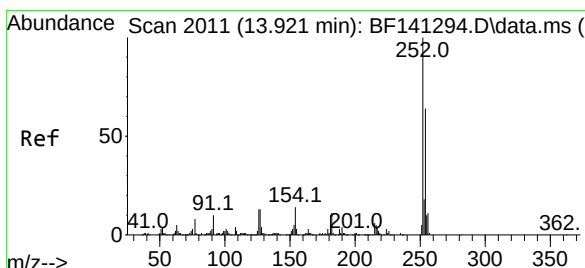
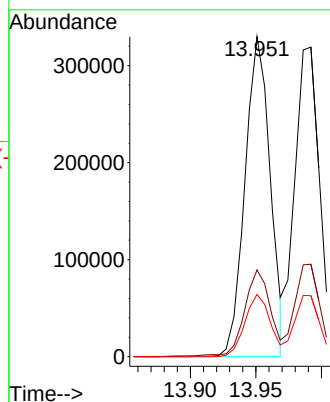
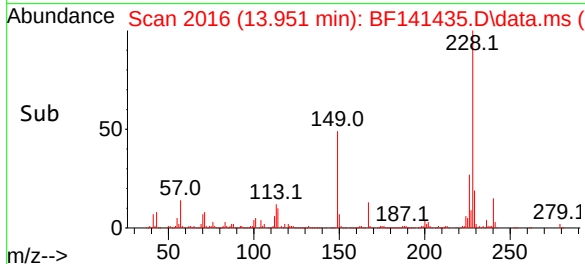
229 19.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.153 ng

RT: 13.916 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

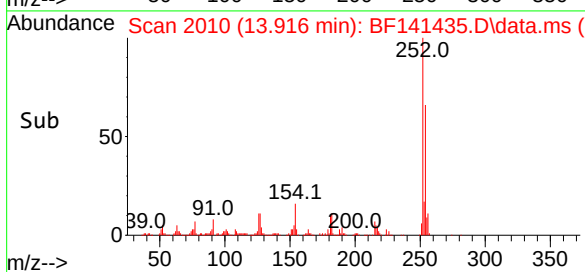
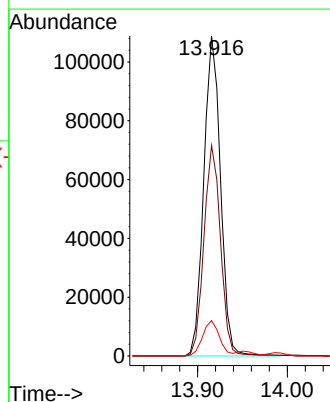
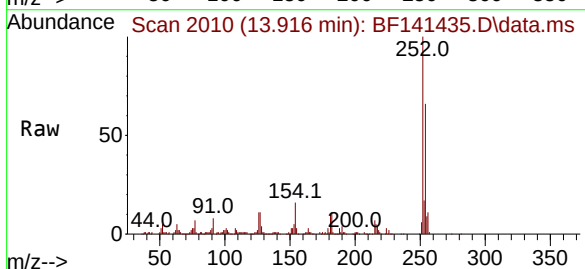
Tgt Ion:252 Resp: 141060

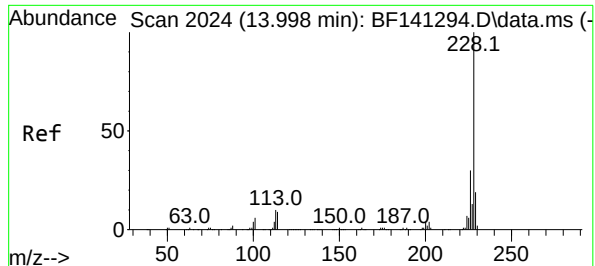
Ion Ratio Lower Upper

252 100

254 65.8 51.3 76.9

126 11.0 10.0 15.0





#83

Chrysene

Concen: 39.290 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 41857

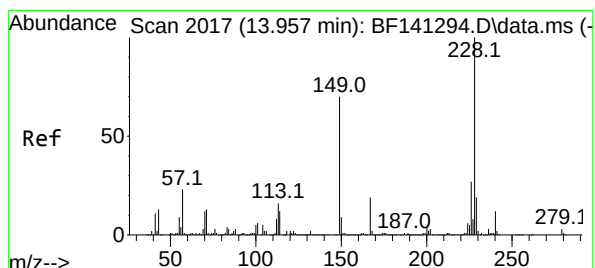
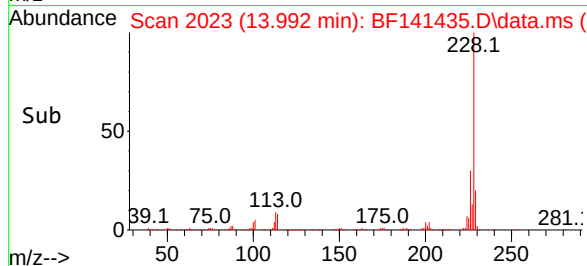
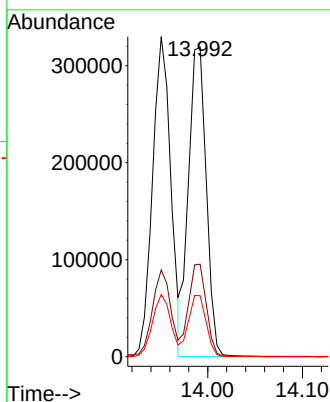
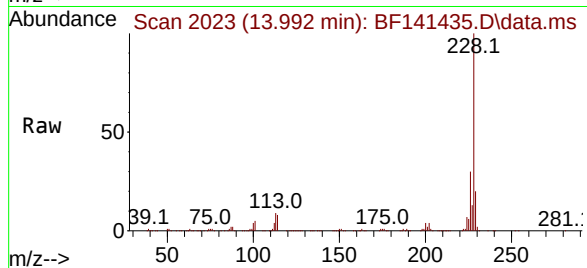
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.586 ng

RT: 13.945 min Scan# 2015

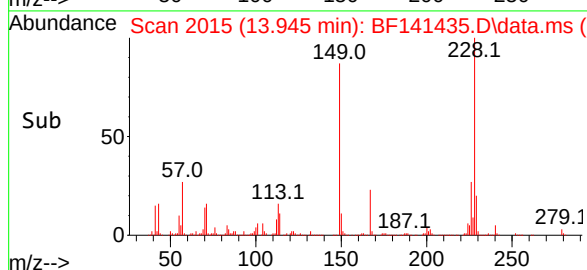
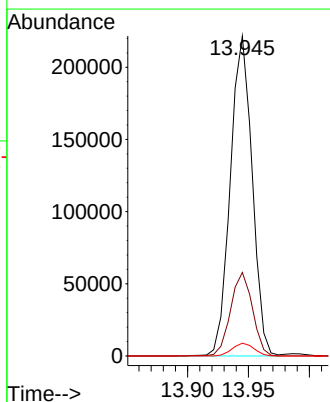
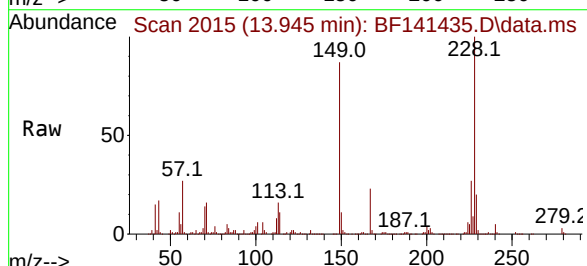
Delta R.T. -0.012 min

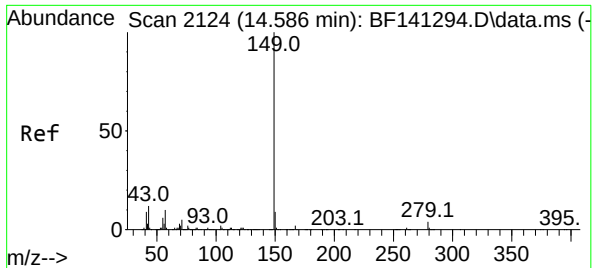
Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Tgt Ion:149 Resp: 276519

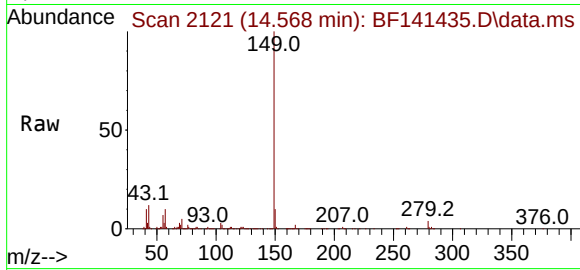
Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 37.624 ng
RT: 14.568 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

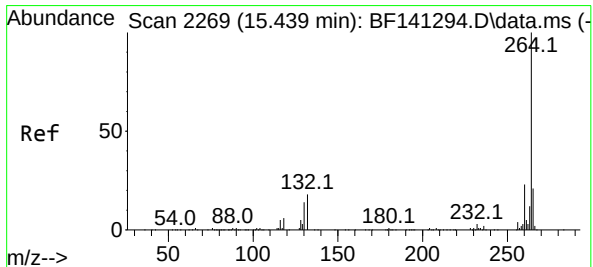
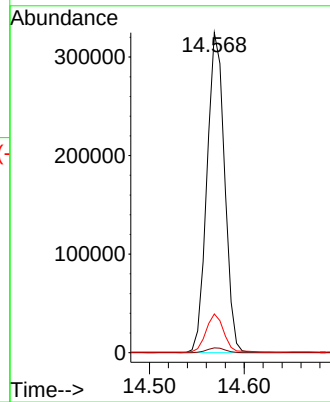
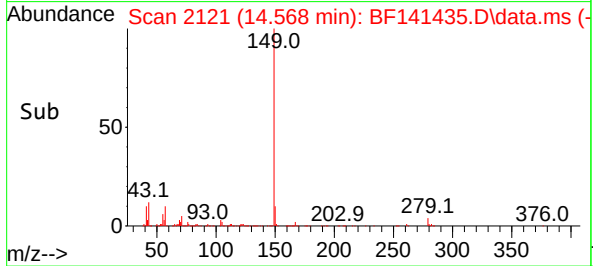
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 418777
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.9 9.8 14.8

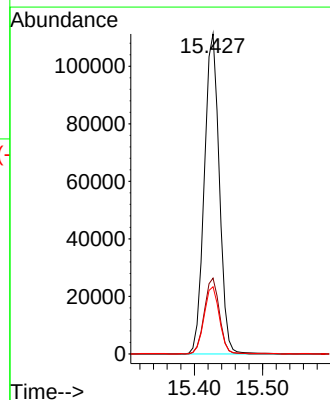
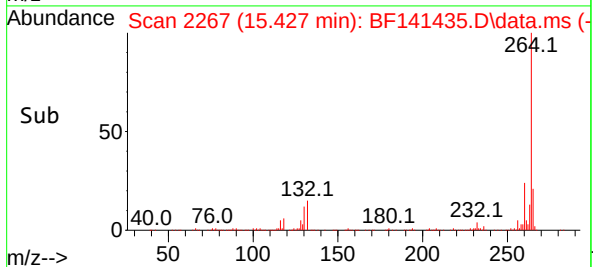
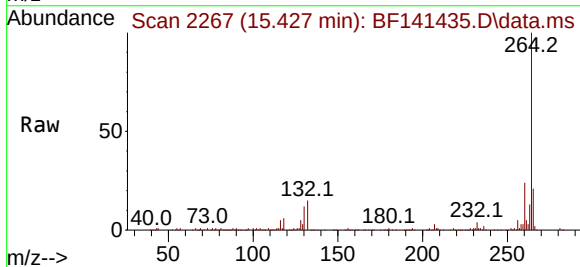
Manual Integrations
APPROVED

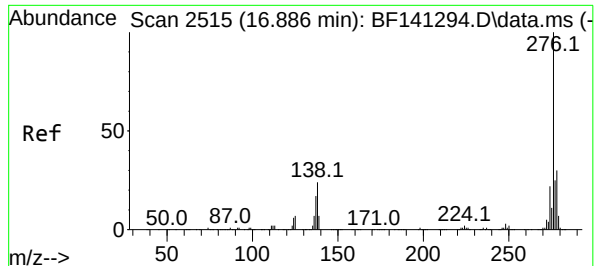
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Tgt Ion:264 Resp: 170248
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.712 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141435.D

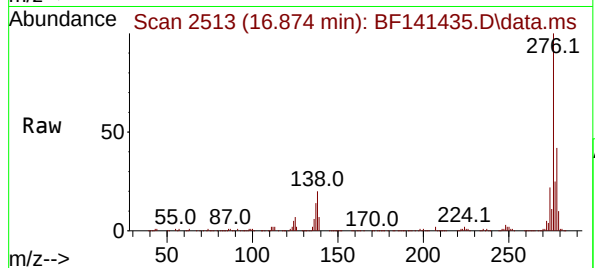
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:276 Resp: 480324

Ion Ratio Lower Upper

276 100

138 22.3 21.7 32.5

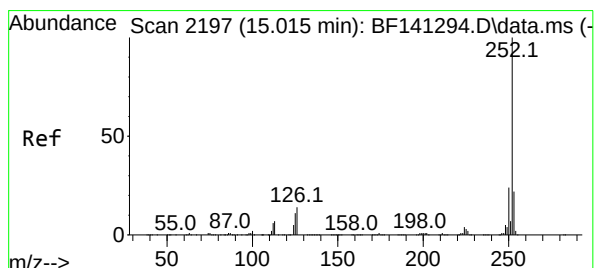
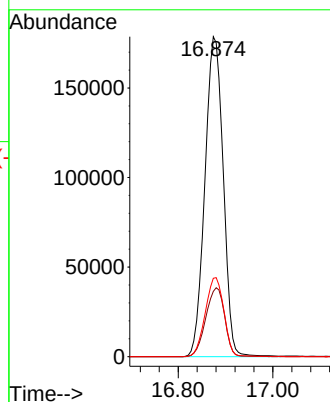
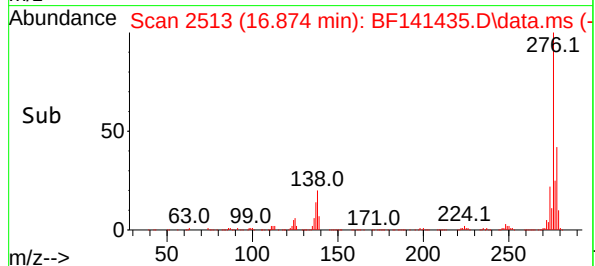
277 25.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

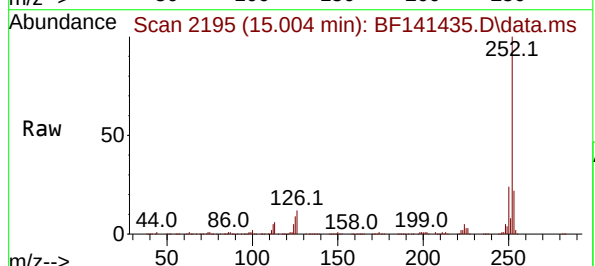
Concen: 42.180 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02



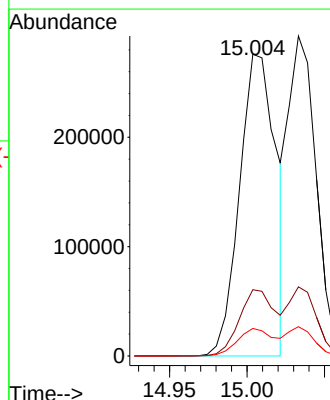
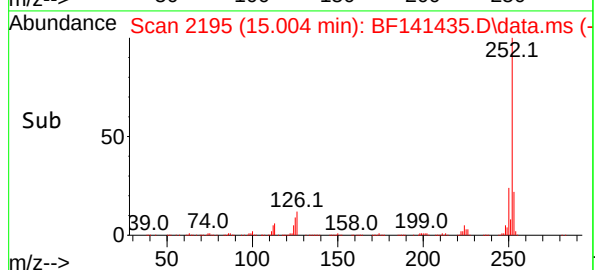
Tgt Ion:252 Resp: 451713

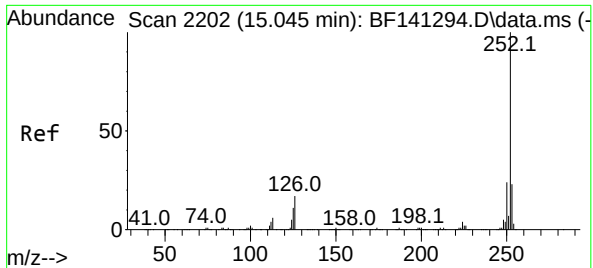
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 9.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 38.829 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 368364

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

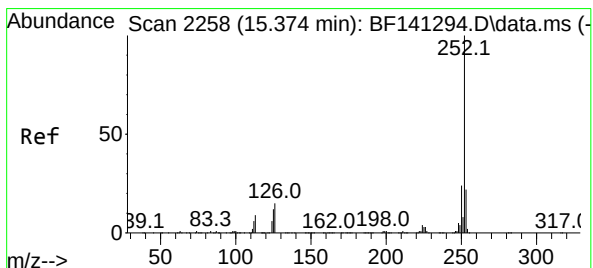
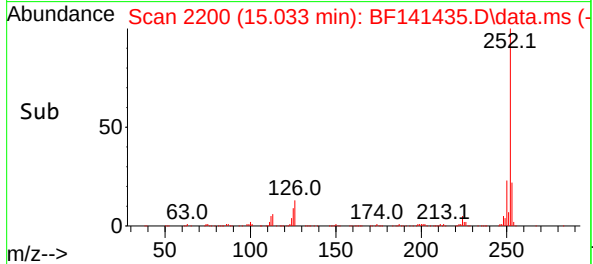
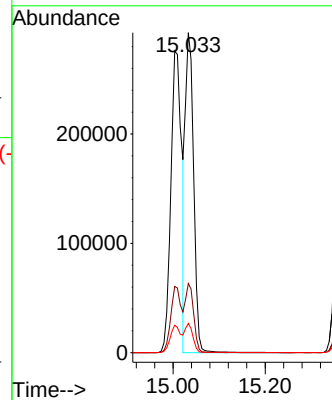
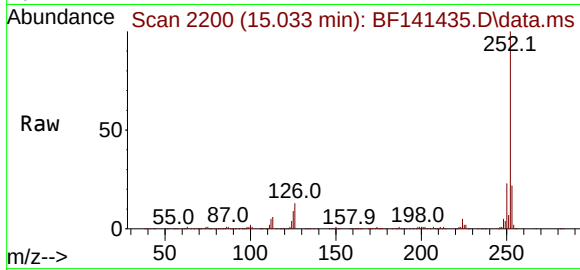
125 9.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 41.472 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141435.D

Acq: 05 Feb 2025 10:02

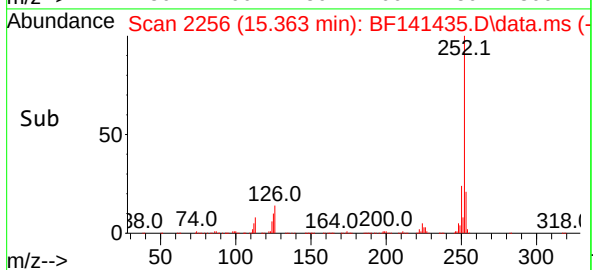
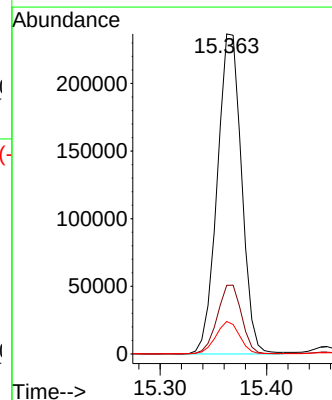
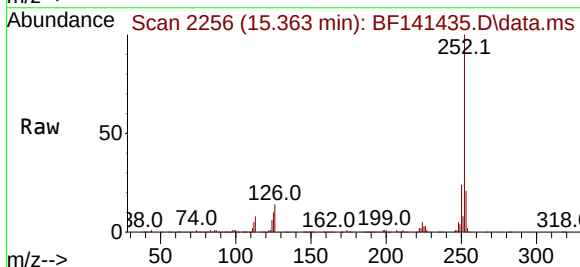
Tgt Ion:252 Resp: 375306

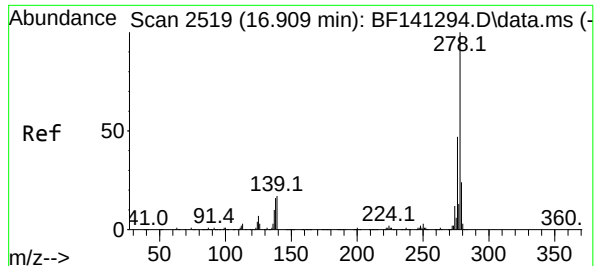
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 10.2 9.4 14.2





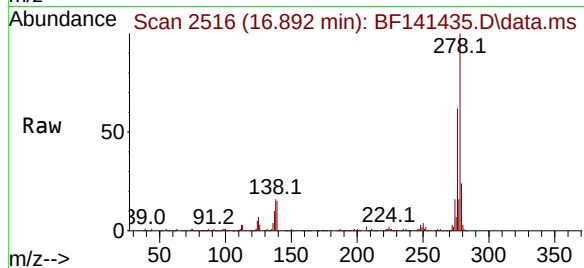
#91
Dibenzo(a,h)anthracene
Concen: 43.654 ng
RT: 16.892 min Scan# 2519
Delta R.T. -0.030 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

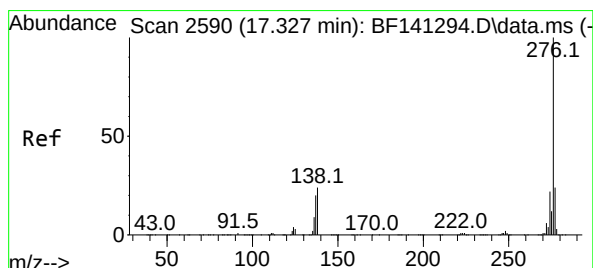
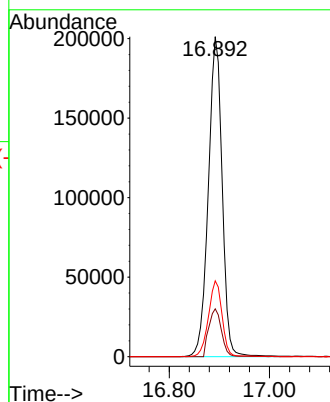
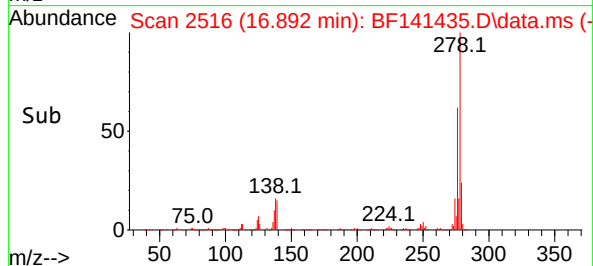


Tgt Ion:278 Resp: 385925
Ion Ratio Lower Upper
278 100
139 15.0 13.9 20.9
279 23.7 18.8 28.2

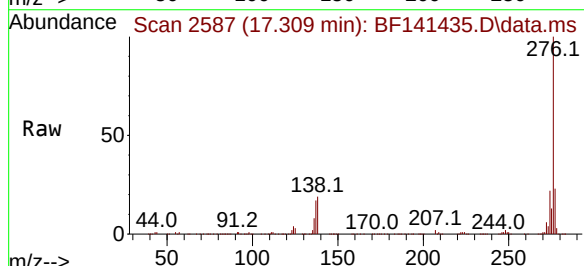
Manual Integrations

APPROVED

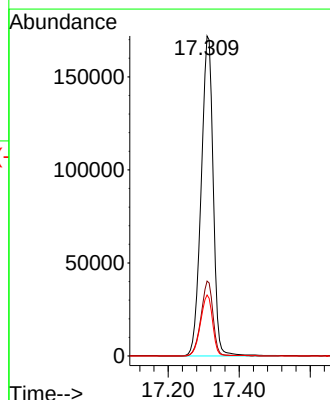
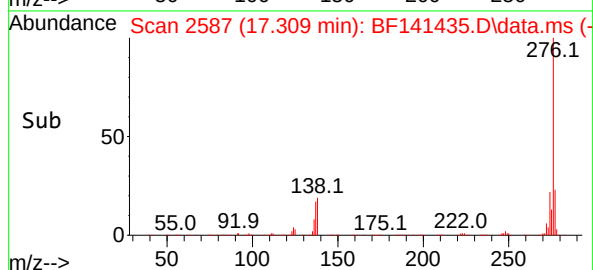
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 44.107 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141435.D
Acq: 05 Feb 2025 10:02



Tgt Ion:276 Resp: 405442
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 19.1 19.0 28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	58	-0.01
2	1,4-Dioxane	0.573	0.500	12.7	54	-0.04
3	Pyridine	1.380	1.235	10.5	54	-0.04
4	n-Nitrosodimethylamine	0.789	0.860	-9.0	66	-0.06
5 S	2-Fluorophenol	1.303	1.295	0.6	62	0.00
6	Aniline	1.403	1.297	7.6	55	-0.02
7 S	Phenol-d6	1.657	1.600	3.4	61	0.00
8	2-Chlorophenol	1.396	1.383	0.9	61	-0.01
9	Benzaldehyde	0.960	0.988	-2.9	64	-0.01
10 C	Phenol	1.757	1.663	5.4	58	0.00
11	bis(2-Chloroethyl)ether	1.347	1.263	6.2	59	-0.02
12	1,3-Dichlorobenzene	1.540	1.552	-0.8	63	-0.01
13 C	1,4-Dichlorobenzene	1.547	1.578	-2.0	63	-0.01
14	1,2-Dichlorobenzene	1.448	1.467	-1.3	63	-0.01
15	Benzyl Alcohol	1.133	1.197	-5.6	64	-0.01
16	2,2'-oxybis(1-Chloropropane	2.342	2.038	13.0	54	-0.01
17	2-Methylphenol	1.135	1.083	4.6	60	0.00
18	Hexachloroethane	0.571	0.582	-1.9	63	-0.01
19 P	n-Nitroso-di-n-propylamine	0.985	0.951	3.5	61	-0.02
20	3+4-Methylphenols	1.393	1.395	-0.1	62	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	57	-0.01
22	Acetophenone	0.475	0.493	-3.8	64	-0.01
23 S	Nitrobenzene-d5	0.379	0.396	-4.5	63	-0.01
24	Nitrobenzene	0.393	0.403	-2.5	61	-0.02
25	Isophorone	0.656	0.632	3.7	58	-0.01
26 C	2-Nitrophenol	0.185	0.191	-3.2	61	-0.01
27	2,4-Dimethylphenol	0.236	0.229	3.0	58	0.00
28	bis(2-Chloroethoxy)methane	0.418	0.393	6.0	57	-0.01
29 C	2,4-Dichlorophenol	0.289	0.297	-2.8	62	0.00
30	1,2,4-Trichlorobenzene	0.330	0.338	-2.4	63	-0.01
31	Naphthalene	1.057	1.058	-0.1	61	-0.01
32	Benzoic acid	0.217	0.218	-0.5	56	-0.03
33	4-Chloroaniline	0.358	0.335	6.4	56	-0.01
34 C	Hexachlorobutadiene	0.194	0.212	-9.3	67	0.00
35	Caprolactam	0.094	0.092	2.1	59	-0.03
36 C	4-Chloro-3-methylphenol	0.310	0.323	-4.2	64	0.00
37	2-Methylnaphthalene	0.672	0.670	0.3	61	-0.01
38	1-Methylnaphthalene	0.660	0.657	0.5	61	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	58	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.569	0.579	-1.8	62	-0.01
41 P	Hexachlorocyclopentadiene	0.168	0.166	1.2	55	-0.01
42 S	2,4,6-Tribromophenol	0.183	0.197	-7.7	65	-0.01
43 C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	61	0.00
44	2,4,5-Trichlorophenol	0.405	0.418	-3.2	64	0.00
45 S	2-Fluorobiphenyl	1.299	1.338	-3.0	65	-0.01
46	1,1'-Biphenyl	1.560	1.536	1.5	61	-0.01
47	2-Chloronaphthalene	1.216	1.222	-0.5	63	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.382	0.396	-3.7	63	0.00
49	Acenaphthylene	1.702	1.696	0.4	61	-0.01
50	Dimethylphthalate	1.351	1.345	0.4	62	-0.01
51	2,6-Dinitrotoluene	0.314	0.319	-1.6	62	-0.01
52 C	Acenaphthene	1.216	1.232	-1.3	63	-0.01
53	3-Nitroaniline	0.307	0.309	-0.7	59	-0.01
54 P	2,4-Dinitrophenol	0.146	0.160	-9.6	63	-0.01
55	Dibenzofuran	1.627	1.626	0.1	62	-0.01
56 P	4-Nitrophenol	0.225	0.235	-4.4	60	0.00
57	2,4-Dinitrotoluene	0.406	0.428	-5.4	64	-0.01
58	Fluorene	1.262	1.312	-4.0	65	-0.01
59	2,3,4,6-Tetrachlorophenol	0.319	0.335	-5.0	63	0.00
60	Diethylphthalate	1.310	1.326	-1.2	62	-0.02
61	4-Chlorophenyl-phenylether	0.617	0.644	-4.4	65	0.00
62	4-Nitroaniline	0.302	0.314	-4.0	62	-0.02
63	Azobenzene	1.311	1.247	4.9	59	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.01
65	4,6-Dinitro-2-methylphenol	0.118	0.135	-14.4	64	0.00
66 c	n-Nitrosodiphenylamine	0.647	0.657	-1.5	62	-0.01
67	4-Bromophenyl-phenylether	0.224	0.231	-3.1	63	-0.01
68	Hexachlorobenzene	0.238	0.246	-3.4	64	-0.01
69	Atrazine	0.216	0.200	7.4	56	-0.01
70 C	Pentachlorophenol	0.139	0.151	-8.6	62	0.00
71	Phenanthrene	1.075	1.115	-3.7	64	0.00
72	Anthracene	1.053	1.101	-4.6	65	-0.01
73	Carbazole	0.934	1.005	-7.6	66	0.00
74	Di-n-butylphthalate	1.132	1.165	-2.9	64	-0.01
75 C	Fluoranthene	1.062	1.154	-8.7	67	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	65	-0.01
77	Benzidine	0.641	0.616	3.9	55	0.00
78	Pyrene	1.920	1.874	2.4	69	0.00
79 S	Terphenyl-d14	1.297	1.290	0.5	71	-0.01
80	Butylbenzylphthalate	0.671	0.667	0.6	69	-0.01
81	Benzo(a)anthracene	1.380	1.310	5.1	67	-0.01
82	3,3'-Dichlorobenzidine	0.439	0.419	4.6	65	-0.01
83	Chrysene	1.265	1.242	1.8	71	0.00
84	Bis(2-ethylhexyl)phthalate	0.851	0.821	3.5	68	-0.01
85 c	Di-n-octyl phthalate	1.321	1.243	5.9	65	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	61	-0.01
87	Indeno(1,2,3-cd)pyrene	1.291	1.411	-9.3	68	-0.02
88	Benzo(b)fluoranthene	1.258	1.327	-5.5	72	-0.02
89	Benzo(k)fluoranthene	1.114	1.082	2.9	61	-0.02
90 C	Benzo(a)pyrene	1.063	1.102	-3.7	66	-0.02
91	Dibenzo(a,h)anthracene	1.039	1.133	-9.0	68	-0.03
92	Benzo(g,h,i)perylene	1.080	1.191	-10.3	70	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	58	-0.01
2	1,4-Dioxane	40.000	34.885	12.8	54	-0.04
3	Pyridine	40.000	35.776	10.6	54	-0.04
4	n-Nitrosodimethylamine	40.000	43.622	-9.1	66	-0.06
5 S	2-Fluorophenol	80.000	79.549	0.6	62	0.00
6	Aniline	40.000	36.974	7.6	55	-0.02
7 S	Phenol-d6	80.000	77.255	3.4	61	0.00
8	2-Chlorophenol	40.000	39.605	1.0	61	-0.01
9	Benzaldehyde	40.000	41.171	-2.9	64	-0.01
10 C	Phenol	40.000	37.854	5.4	58	0.00
11	bis(2-Chloroethyl)ether	40.000	37.520	6.2	59	-0.02
12	1,3-Dichlorobenzene	40.000	40.328	-0.8	63	-0.01
13 C	1,4-Dichlorobenzene	40.000	40.809	-2.0	63	-0.01
14	1,2-Dichlorobenzene	40.000	40.526	-1.3	63	-0.01
15	Benzyl Alcohol	40.000	42.275	-5.7	64	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	34.802	13.0	54	-0.01
17	2-Methylphenol	40.000	38.159	4.6	60	0.00
18	Hexachloroethane	40.000	40.798	-2.0	63	-0.01
19 P	n-Nitroso-di-n-propylamine	40.000	38.623	3.4	61	-0.02
20	3+4-Methylphenols	40.000	40.033	-0.1	62	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	57	-0.01
22	Acetophenone	40.000	41.439	-3.6	64	-0.01
23 S	Nitrobenzene-d5	80.000	83.608	-4.5	63	-0.01
24	Nitrobenzene	40.000	41.037	-2.6	61	-0.02
25	Isophorone	40.000	38.520	3.7	58	-0.01
26 C	2-Nitrophenol	40.000	41.137	-2.8	61	-0.01
27	2,4-Dimethylphenol	40.000	38.795	3.0	58	0.00
28	bis(2-Chloroethoxy)methane	40.000	37.533	6.2	57	-0.01
29 C	2,4-Dichlorophenol	40.000	41.092	-2.7	62	0.00
30	1,2,4-Trichlorobenzene	40.000	41.020	-2.6	63	-0.01
31	Naphthalene	40.000	40.064	-0.2	61	-0.01
32	Benzoic acid	40.000	40.161	-0.4	56	-0.03
33	4-Chloroaniline	40.000	37.413	6.5	56	-0.01
34 C	Hexachlorobutadiene	40.000	43.834	-9.6	67	0.00
35	Caprolactam	40.000	39.058	2.4	59	-0.03
36 C	4-Chloro-3-methylphenol	40.000	41.751	-4.4	64	0.00
37	2-Methylnaphthalene	40.000	39.913	0.2	61	-0.01
38	1-Methylnaphthalene	40.000	39.835	0.4	61	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	58	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	40.737	-1.8	62	-0.01
41 P	Hexachlorocyclopentadiene	40.000	39.437	1.4	55	-0.01
42 S	2,4,6-Tribromophenol	80.000	85.780	-7.2	65	-0.01
43 C	2,4,6-Trichlorophenol	40.000	41.315	-3.3	61	0.00
44	2,4,5-Trichlorophenol	40.000	41.284	-3.2	64	0.00
45 S	2-Fluorobiphenyl	80.000	82.364	-3.0	65	-0.01
46	1,1'-Biphenyl	40.000	39.392	1.5	61	-0.01
47	2-Chloronaphthalene	40.000	40.191	-0.5	63	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141435.D
 Acq On : 05 Feb 2025 10:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	41.385	-3.5	63	0.00
49	Acenaphthylene	40.000	39.872	0.3	61	-0.01
50	Dimethylphthalate	40.000	39.828	0.4	62	-0.01
51	2,6-Dinitrotoluene	40.000	40.695	-1.7	62	-0.01
52 C	Acenaphthene	40.000	40.520	-1.3	63	-0.01
53	3-Nitroaniline	40.000	40.165	-0.4	59	-0.01
54 P	2,4-Dinitrophenol	40.000	43.990	-10.0	63	-0.01
55	Dibenzofuran	40.000	39.973	0.1	62	-0.01
56 P	4-Nitrophenol	40.000	41.844	-4.6	60	0.00
57	2,4-Dinitrotoluene	40.000	42.144	-5.4	64	-0.01
58	Fluorene	40.000	41.573	-3.9	65	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	42.052	-5.1	63	0.00
60	Diethylphthalate	40.000	40.510	-1.3	62	-0.02
61	4-Chlorophenyl-phenylether	40.000	41.761	-4.4	65	0.00
62	4-Nitroaniline	40.000	41.554	-3.9	62	-0.02
63	Azobenzene	40.000	38.055	4.9	59	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	59	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	45.776	-14.4	64	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.601	-1.5	62	-0.01
67	4-Bromophenyl-phenylether	40.000	41.249	-3.1	63	-0.01
68	Hexachlorobenzene	40.000	41.354	-3.4	64	-0.01
69	Atrazine	40.000	37.040	7.4	56	-0.01
70 C	Pentachlorophenol	40.000	43.436	-8.6	62	0.00
71	Phenanthrene	40.000	41.476	-3.7	64	0.00
72	Anthracene	40.000	41.812	-4.5	65	-0.01
73	Carbazole	40.000	43.048	-7.6	66	0.00
74	Di-n-butylphthalate	40.000	41.155	-2.9	64	-0.01
75 C	Fluoranthene	40.000	43.486	-8.7	67	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	65	-0.01
77	Benzidine	40.000	38.432	3.9	55	0.00
78	Pyrene	40.000	39.047	2.4	69	0.00
79 S	Terphenyl-d14	80.000	79.581	0.5	71	-0.01
80	Butylbenzylphthalate	40.000	39.778	0.6	69	-0.01
81	Benzo(a)anthracene	40.000	37.964	5.1	67	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.153	4.6	65	-0.01
83	Chrysene	40.000	39.290	1.8	71	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.586	3.5	68	-0.01
85 c	Di-n-octyl phthalate	40.000	37.624	5.9	65	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	61	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	43.712	-9.3	68	-0.02
88	Benzo(b)fluoranthene	40.000	42.180	-5.4	72	-0.02
89	Benzo(k)fluoranthene	40.000	38.829	2.9	61	-0.02
90 C	Benzo(a)pyrene	40.000	41.472	-3.7	66	-0.02
91	Dibenzo(a,h)anthracene	40.000	43.654	-9.1	68	-0.03
92	Benzo(g,h,i)perylene	40.000	44.107	-10.3	70	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141435.D
Acq On : 05 Feb 2025 10:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 10:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.294		1.4	
Benzaldehyde	0.857	0.844		-1.5	
Phenol-d6	1.612	1.599		-0.8	
Phenol	1.678	1.676		-0.1	20.0
bis(2-Chloroethyl)ether	1.261	1.237		-1.9	
2-Chlorophenol	1.378	1.383		0.4	
2-Methylphenol	1.079	1.064		-1.4	
2,2-oxybis(1-Chloropropane)	2.158	2.121		-1.7	
Acetophenone	0.498	0.489		-1.8	
3+4-Methylphenols	1.371	1.329		-3.1	
n-Nitroso-di-n-propylamine	0.964	0.978	0.050	1.5	
Nitrobenzene-d5	0.383	0.384		0.3	
Hexachloroethane	0.550	0.545		-0.9	
Nitrobenzene	0.374	0.372		-0.5	
Isophorone	0.611	0.607		-0.7	
2-Nitrophenol	0.186	0.191		2.7	20.0
2,4-Dimethylphenol	0.217	0.219		0.9	
bis(2-Chloroethoxy)methane	0.392	0.396		1.0	
2,4-Dichlorophenol	0.294	0.296		0.7	20.0
Naphthalene	1.041	1.040		-0.1	
4-Chloroaniline	0.363	0.327		-9.9	
Hexachlorobutadiene	0.192	0.191		-0.5	20.0
Caprolactam	0.089	0.093		4.5	
4-Chloro-3-methylphenol	0.325	0.326		0.3	20.0
2-Methylnaphthalene	0.677	0.668		-1.3	
Hexachlorocyclopentadiene	0.192	0.193	0.050	0.5	
2,4,6-Trichlorophenol	0.374	0.368		-1.6	20.0
2-Fluorobiphenyl	1.298	1.268		-2.3	
2,4,5-Trichlorophenol	0.405	0.399		-1.5	
1,1-Biphenyl	1.551	1.528		-1.5	
2-Chloronaphthalene	1.147	1.132		-1.3	
2-Nitroaniline	0.385	0.385		0.0	
Dimethylphthalate	1.358	1.338		-1.5	
Acenaphthylene	1.705	1.697		-0.5	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.315		-1.3	
Acenaphthene	1.147	1.116		-2.7	20.0
2,4-Dinitrophenol	0.176	0.169	0.050	-4.0	
4-Nitrophenol	0.237	0.240	0.050	1.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1235 SAS No.: Q1235 SDG No.: Q1235

Instrument ID: BNA_F Calibration Date/Time: 02/07/2025 14:33

Lab File ID: BF141506.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.655		-1.7	
2,4-Dinitrotoluene	0.395	0.400		1.3	
Diethylphthalate	1.336	1.313		-1.7	
4-Chlorophenyl-phenylether	0.626	0.616		-1.6	
Fluorene	1.301	1.278		-1.8	
4-Nitroaniline	0.324	0.326		0.6	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.631		-1.4	20.0
2,4,6-Tribromophenol	0.201	0.200		-0.5	
4-Bromophenyl-phenylether	0.224	0.217		-3.1	
Hexachlorobenzene	0.230	0.229		-0.4	
Atrazine	0.192	0.182		-5.2	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.082		-1.7	
Anthracene	1.107	1.095		-1.1	
Carbazole	0.996	1.004		0.8	
Di-n-butylphthalate	1.150	1.152		0.2	
Fluoranthene	1.167	1.168		0.1	20.0
Pyrene	1.703	1.702		-0.1	
Terphenyl-d14	1.185	1.171		-1.2	
Butylbenzylphthalate	0.590	0.640		8.5	
3,3-Dichlorobenzidine	0.381	0.385		1.0	
Benzo (a) anthracene	1.329	1.316		-1.0	
Chrysene	1.228	1.167		-5.0	
Bis(2-ethylhexyl)phthalate	0.665	0.759		14.1	
Di-n-octyl phthalate	0.949	1.017		7.2	20.0
Benzo (b) fluoranthene	1.343	1.426		6.2	
Benzo (k) fluoranthene	1.147	1.070		-6.7	
Benzo (a) pyrene	1.087	1.090		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.245		0.7	
Dibenzo (a,h) anthracene	1.001	1.011		1.0	
Benzo (g,h,i) perylene	1.048	1.028		-1.9	
1,2,4,5-Tetrachlorobenzene	0.579	0.571		-1.4	
1,4-Dioxane	0.513	0.512		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.346		-0.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 15:09:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	91880	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	360290	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	198348	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	340922	20.000	ng	0.00
76) Chrysene-d12	13.957	240	238177	20.000	ng	0.00
86) Perylene-d12	15.416	264	192868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	475650	81.160	ng	0.00
7) Phenol-d6	6.428	99	587648	79.333	ng	-0.01
23) Nitrobenzene-d5	7.357	82	553575	80.140	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	158428	79.512	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1006130	78.150	ng	0.00
79) Terphenyl-d14	12.904	244	1115806	79.087	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.475	88	94001	39.852	ng	100
3) Pyridine	3.199	79	234861	41.842	ng	99
4) n-Nitrosodimethylamine	3.157	42	146825	39.505	ng	96
6) Aniline	6.451	93	276601	39.807	ng	94
8) 2-Chlorophenol	6.575	128	254071	40.121	ng	96
9) Benzaldehyde	6.340	77	155074	39.396	ng	100
10) Phenol	6.446	94	307937	39.942	ng	99
11) bis(2-Chloroethyl)ether	6.528	93	227223	39.239	ng	99
12) 1,3-Dichlorobenzene	6.728	146	265506	39.713	ng	98
13) 1,4-Dichlorobenzene	6.804	146	265354	38.847	ng	98
14) 1,2-Dichlorobenzene	6.963	146	252127	39.770	ng	100
15) Benzyl Alcohol	6.934	79	221923	39.069	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	389773	39.320	ng	99
17) 2-Methylphenol	7.051	107	195478	39.445	ng	99
18) Hexachloroethane	7.298	117	100140	39.613	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	179697	40.556	ng	97
20) 3+4-Methylphenols	7.204	107	244214	38.777	ng	98
22) Acetophenone	7.198	105	352167	39.294	ng	99
24) Nitrobenzene	7.375	77	268254	39.825	ng	100
25) Isophorone	7.610	82	437623	39.733	ng	100
26) 2-Nitrophenol	7.687	139	137445	41.014	ng	99
27) 2,4-Dimethylphenol	7.728	122	158012	40.362	ng	99
28) bis(2-Chloroethoxy)met...	7.822	93	285112	40.398	ng	100
29) 2,4-Dichlorophenol	7.940	162	213366	40.337	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	229655	39.869	ng	99
31) Naphthalene	8.092	128	749587	39.968	ng	100
32) Benzoic acid	7.857	122	163033	40.092	ng	98
33) 4-Chloroaniline	8.145	127	235464	35.960	ng	100
34) Hexachlorobutadiene	8.210	225	137788	39.845	ng	99
35) Caprolactam	8.516	113	67233	41.746	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	234989	40.105	ng	100
37) 2-Methylnaphthalene	8.787	142	481204	39.430	ng	100
38) 1-Methylnaphthalene	8.881	142	465894	39.416	ng	97
40) 1,2,4,5-Tetrachloroben...	8.951	216	226553	39.480	ng	99
41) Hexachlorocyclopentadiene	8.934	237	76451	40.055	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	145794	39.310	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 15:09:24 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 06 16:58:59 2025

Response via : Initial Calibration

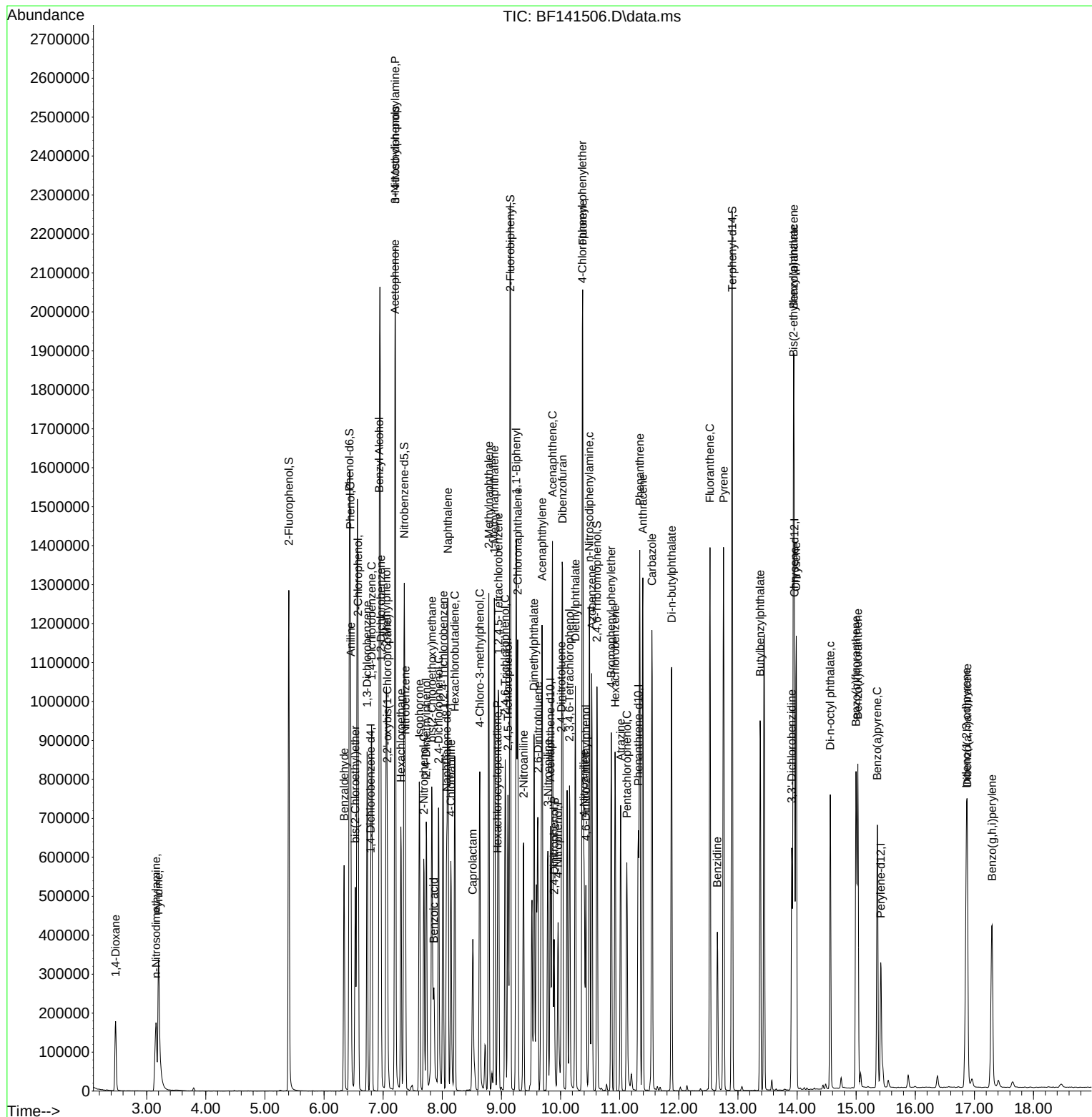
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	158176	39.352	ng	99
46) 1,1'-Biphenyl	9.251	154	606143	39.417	ng	100
47) 2-Chloronaphthalene	9.275	162	448999	39.485	ng	100
48) 2-Nitroaniline	9.375	65	152856	40.054	ng	98
49) Acenaphthylene	9.686	152	673155	39.800	ng	99
50) Dimethylphthalate	9.551	163	530887	39.426	ng	99
51) 2,6-Dinitrotoluene	9.616	165	116863	39.701	ng	99
52) Acenaphthene	9.863	154	442729m	38.936	ng	
53) 3-Nitroaniline	9.786	138	124846	39.406	ng	99
54) 2,4-Dinitrophenol	9.892	184	67053	38.328	ng	97
55) Dibenzofuran	10.034	168	656713	39.347	ng	100
56) 4-Nitrophenol	9.957	139	95307	40.524	ng	97
57) 2,4-Dinitrotoluene	10.016	165	158641	40.483	ng	97
58) Fluorene	10.375	166	507132	39.298	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	137272	39.668	ng	97
60) Diethylphthalate	10.251	149	520921	39.320	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	244431	39.371	ng	99
62) 4-Nitroaniline	10.398	138	129336	40.203	ng	97
63) Azobenzene	10.528	77	516030	39.181	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	94709	39.992	ng	98
66) n-Nitrosodiphenylamine	10.486	169	430480	39.446	ng	99
67) 4-Bromophenyl-phenylether	10.857	248	148075	38.862	ng	96
68) Hexachlorobenzene	10.922	284	156412	39.865	ng	98
69) Atrazine	11.016	200	124255	37.952	ng	99
70) Pentachlorophenol	11.122	266	100181	39.932	ng	99
71) Phenanthrene	11.339	178	737878	39.319	ng	99
72) Anthracene	11.392	178	746361	39.564	ng	100
73) Carbazole	11.545	167	684333	40.316	ng	100
74) Di-n-butylphthalate	11.880	149	785155	40.060	ng	100
75) Fluoranthene	12.527	202	796201	40.018	ng	99
77) Benzidine	12.651	184	232310	44.226	ng	99
78) Pyrene	12.757	202	810550	39.977	ng	100
80) Butylbenzylphthalate	13.374	149	305087	43.443	ng	99
81) Benzo(a)anthracene	13.945	228	626940	39.598	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	183288	40.414	ng	98
83) Chrysene	13.986	228	556110	38.041	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	361384	45.626	ng	99
85) Di-n-octyl phthalate	14.563	149	484418	42.871	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	480414	40.313	ng	100
88) Benzo(b)fluoranthene	14.998	252	549964	42.468	ng	99
89) Benzo(k)fluoranthene	15.027	252	412835	37.333	ng	99
90) Benzo(a)pyrene	15.357	252	420423	40.121	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	390089	40.397	ng	100
92) Benzo(g,h,i)perylene	17.298	276	396572	39.245	ng	99

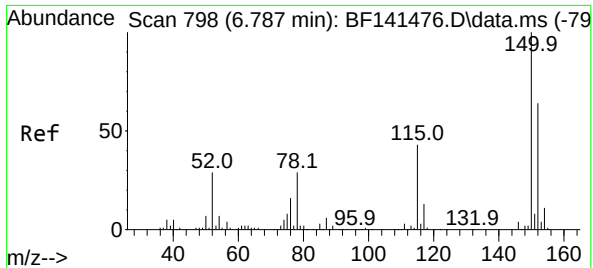
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

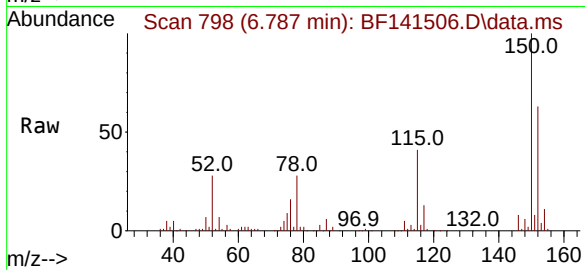
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

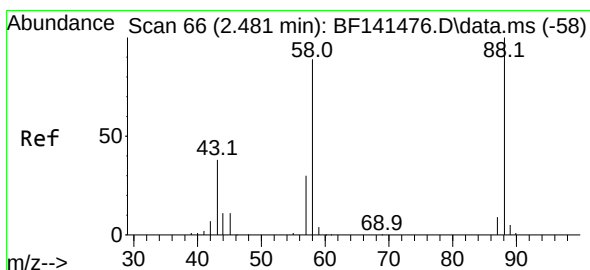
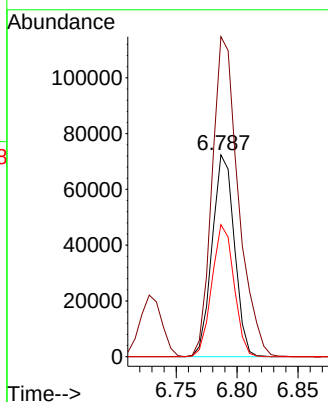
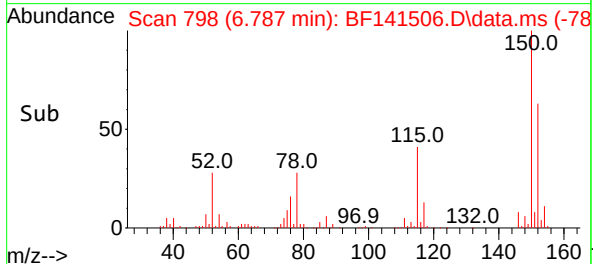
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:152 Resp: 91880
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.4
115 65.4 53.6 80.4

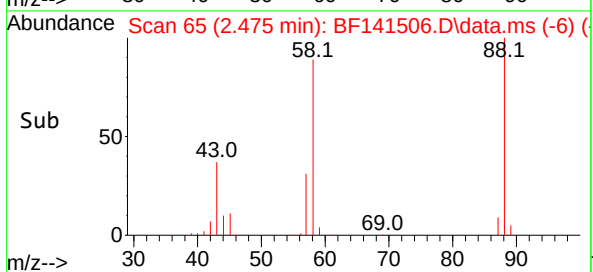
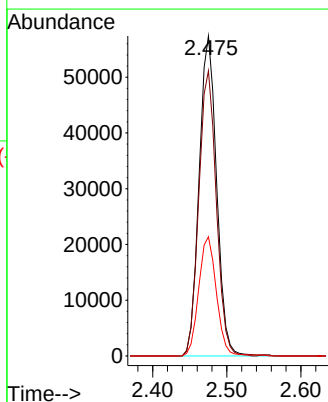
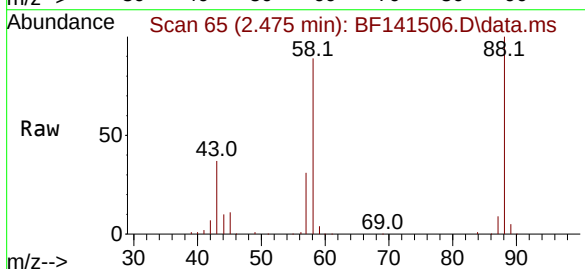
Manual Integrations
APPROVED

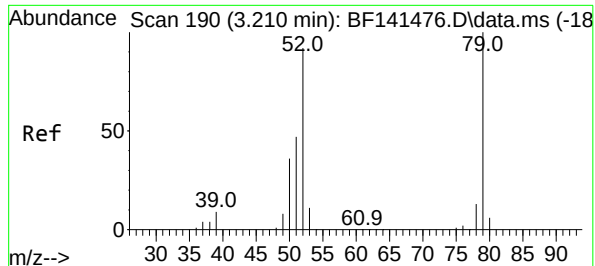
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#2
1,4-Dioxane
Concen: 39.852 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

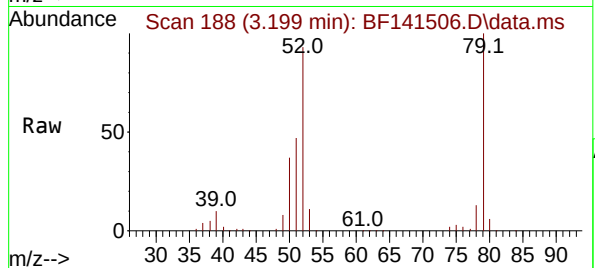
Tgt Ion: 88 Resp: 94001
Ion Ratio Lower Upper
88 100
58 89.1 71.1 106.7
43 37.9 30.6 46.0





#3
Pyridine
Concen: 41.842 ng
RT: 3.199 min Scan# 188
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

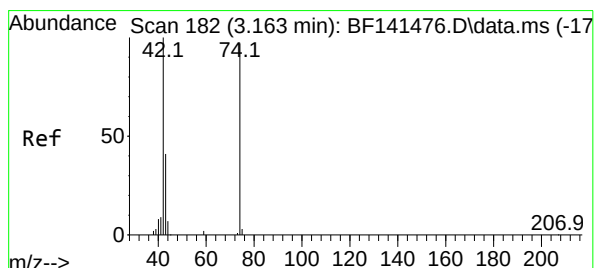
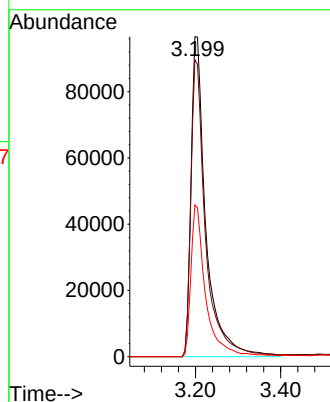
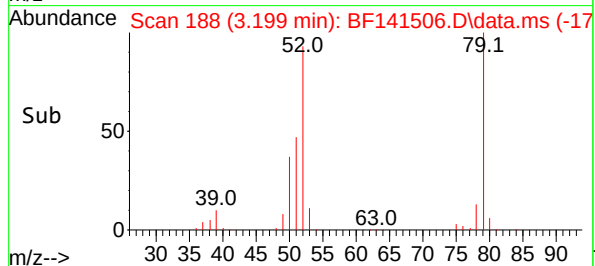
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



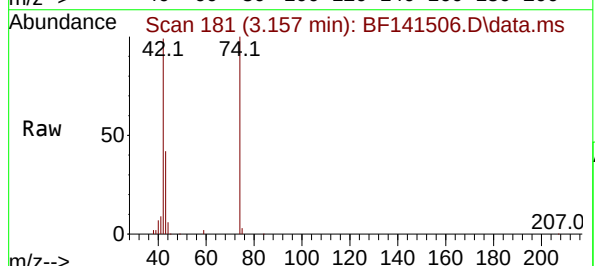
Tgt Ion: 79 Resp: 23486
Ion Ratio Lower Upper
79 100
52 92.8 73.7 110.5
51 47.4 37.5 56.3

Manual Integrations
APPROVED

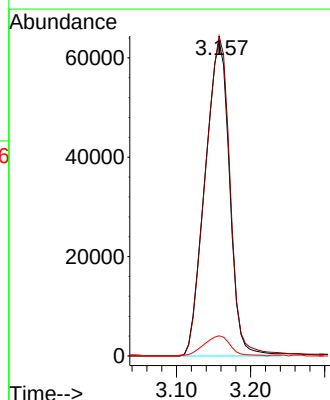
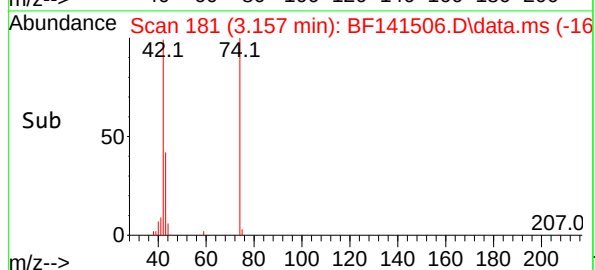
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

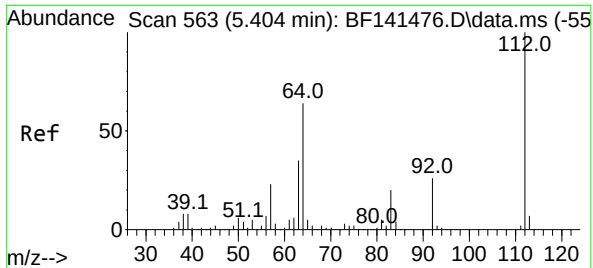


#4
n-Nitrosodimethylamine
Concen: 39.505 ng
RT: 3.157 min Scan# 181
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



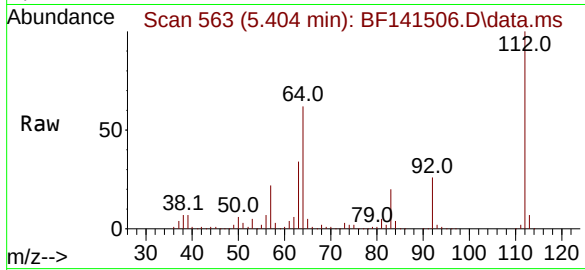
Tgt Ion: 42 Resp: 146825
Ion Ratio Lower Upper
42 100
74 101.5 78.0 117.0
44 6.4 5.4 8.2





#5
2-Fluorophenol
Concen: 81.160 ng
RT: 5.404 min Scan# 501
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

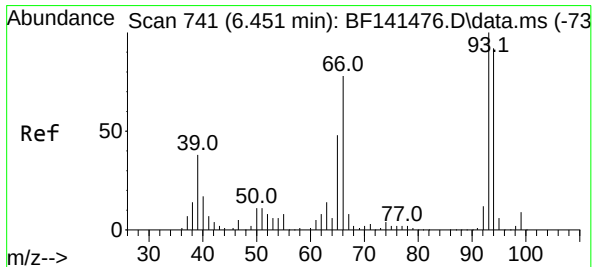
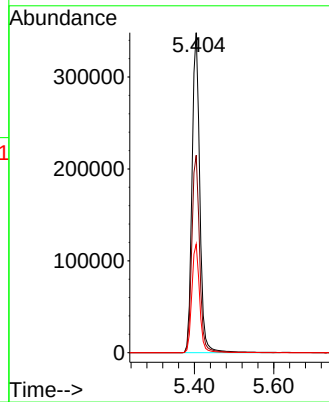
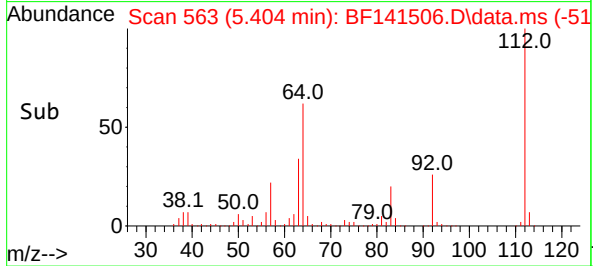
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:112 Resp: 475650
Ion Ratio Lower Upper
112 100
64 61.7 51.1 76.7
63 33.9 28.4 42.6

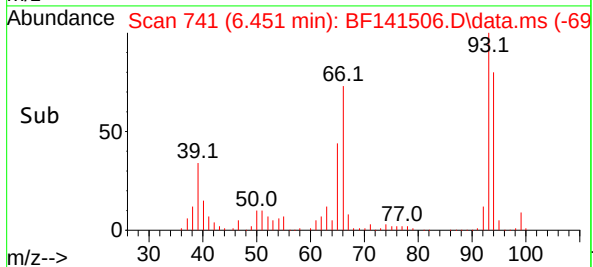
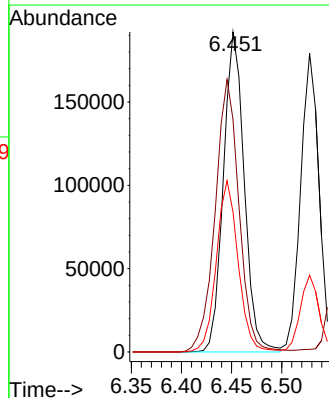
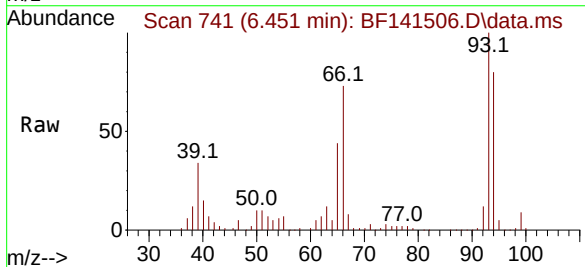
Manual Integrations
APPROVED

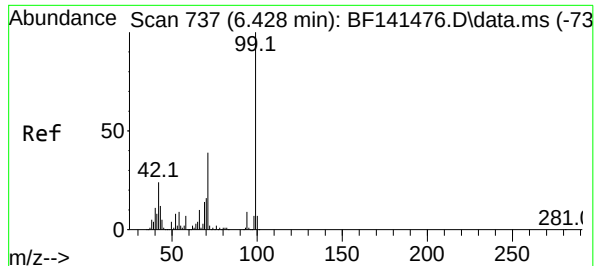
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#6
Aniline
Concen: 39.807 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

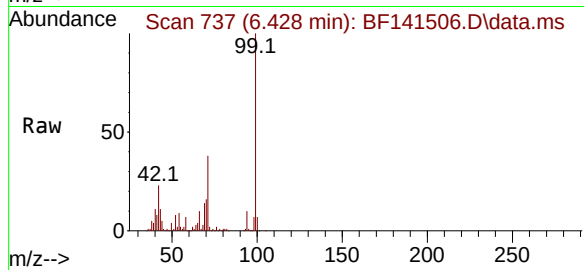
Tgt Ion: 93 Resp: 276601
Ion Ratio Lower Upper
93 100
66 72.6 62.6 94.0
65 43.8 38.3 57.5





#7
Phenol-d6
Concen: 79.333 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

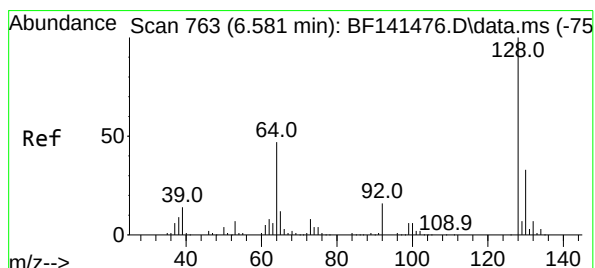
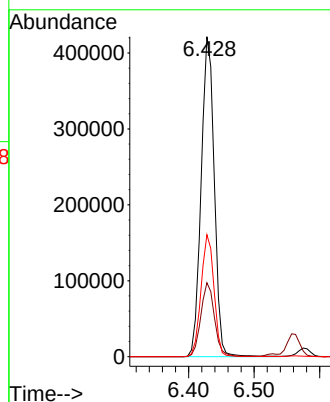
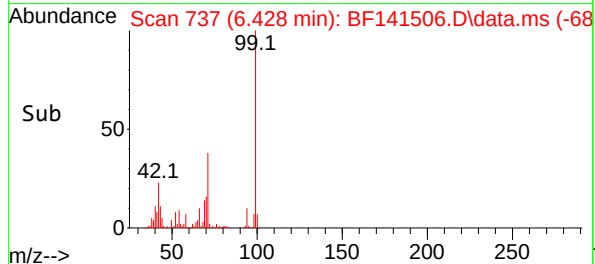
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



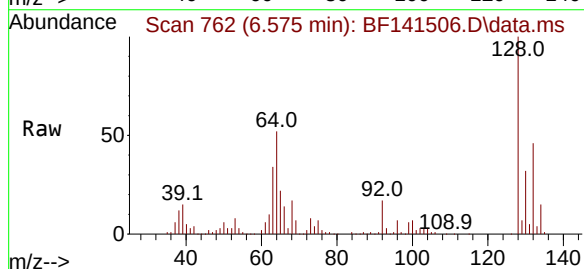
Tgt Ion: 99 Resp: 58764
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 38.1 31.1 46.7

Manual Integrations
APPROVED

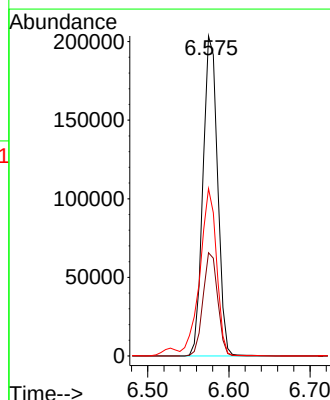
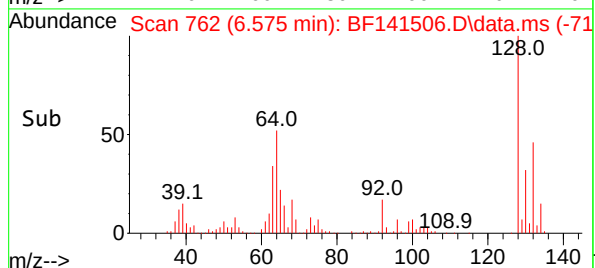
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

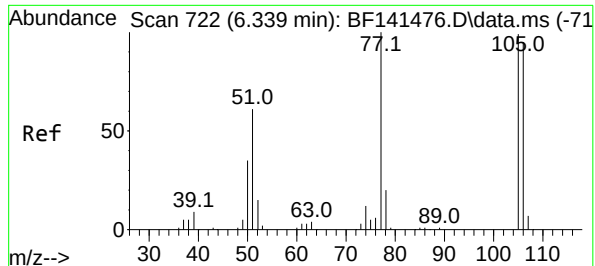


#8
2-Chlorophenol
Concen: 40.121 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:128 Resp: 254071
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 52.3 28.3 68.3





#9

Benzaldehyde

Concen: 39.396 ng

RT: 6.340 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 155074

Ion Ratio Lower Upper

77 100

105 99.4 79.4 119.4

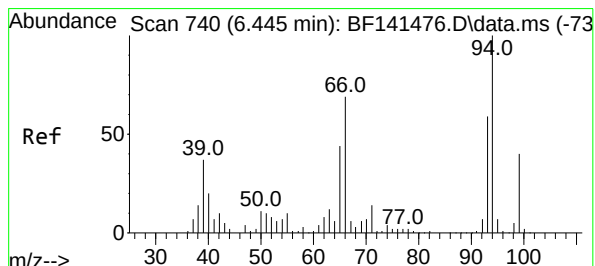
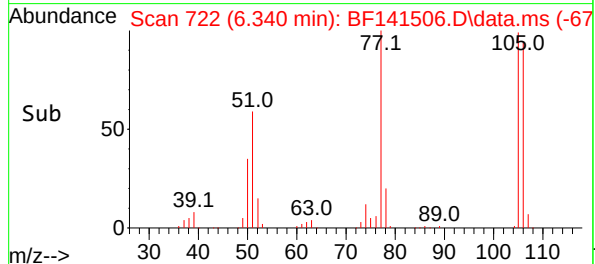
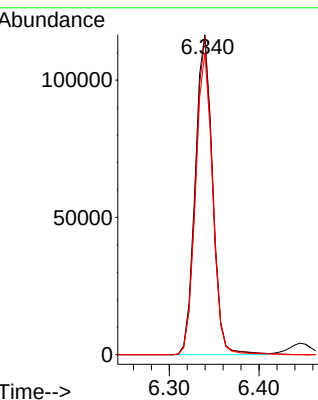
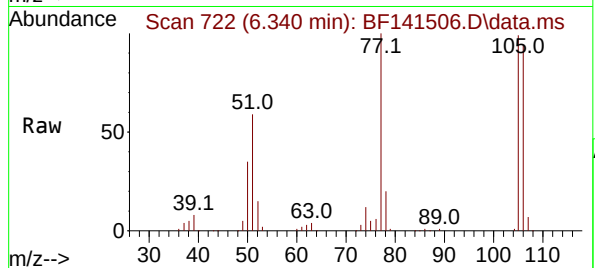
106 94.3 75.1 115.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#10

Phenol

Concen: 39.942 ng

RT: 6.446 min Scan# 740

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

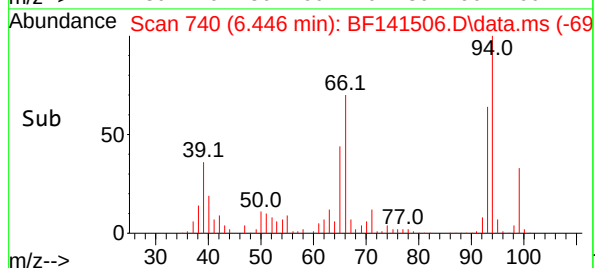
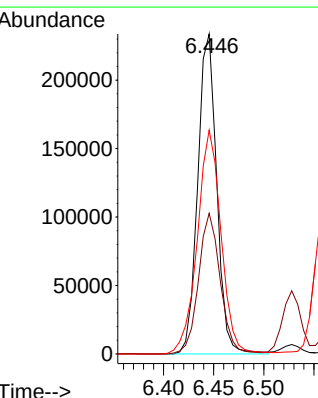
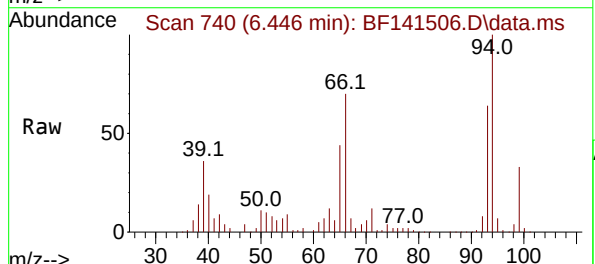
Tgt Ion: 94 Resp: 307937

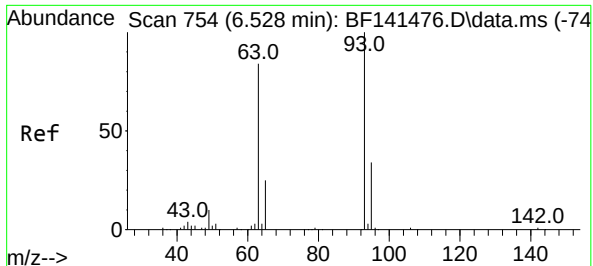
Ion Ratio Lower Upper

94 100

65 44.0 23.7 63.7

66 70.0 49.3 89.3





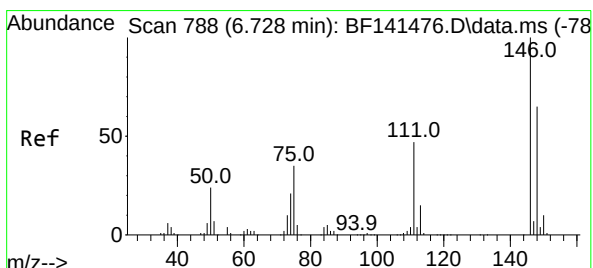
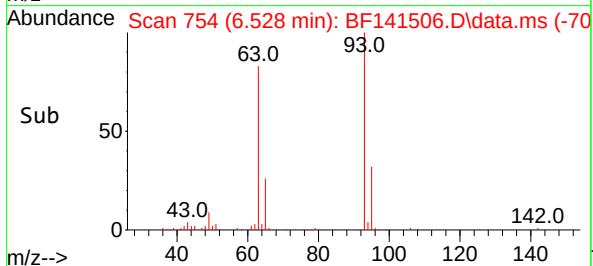
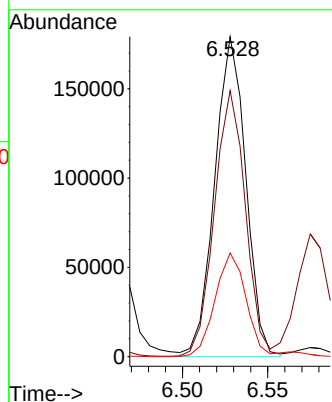
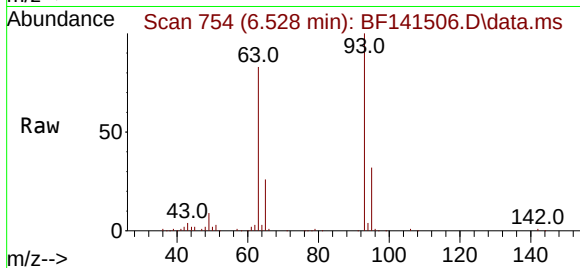
#11
bis(2-Chloroethyl)ether
Concen: 39.239 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 22722
Ion Ratio Lower Upper
93 100
63 83.1 62.0 102.0
95 32.4 12.6 52.6

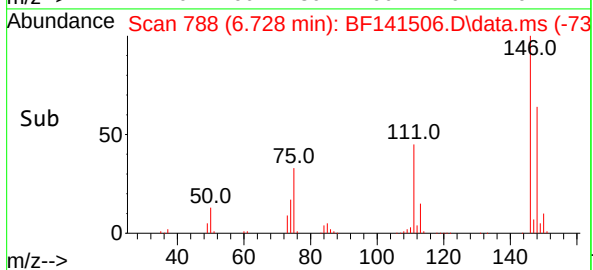
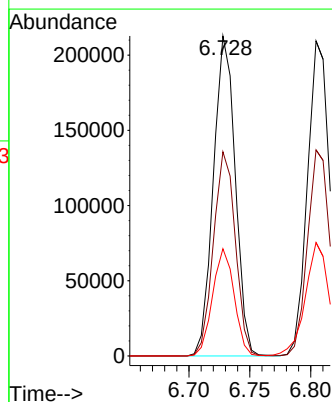
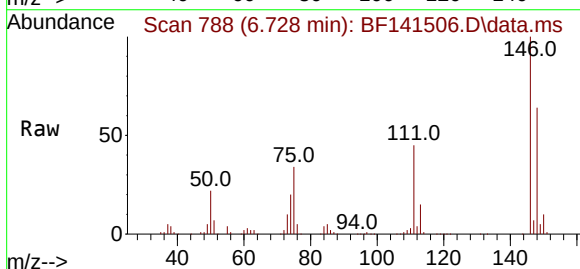
Manual Integrations
APPROVED

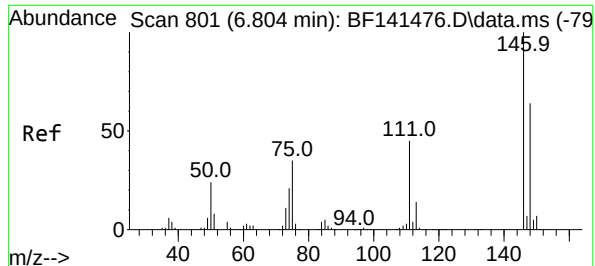
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#12
1,3-Dichlorobenzene
Concen: 39.713 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:146 Resp: 265506
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
75 33.5 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 38.847 ng

RT: 6.804 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 265354

Ion Ratio Lower Upper

146 100

148 65.4 50.9 76.3

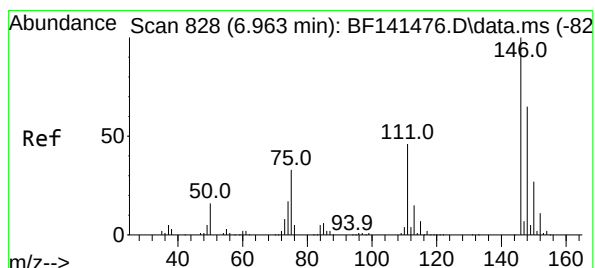
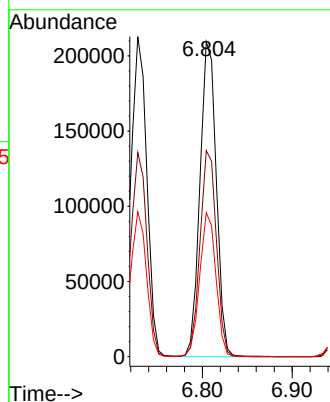
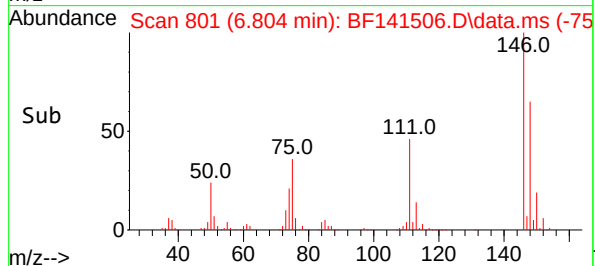
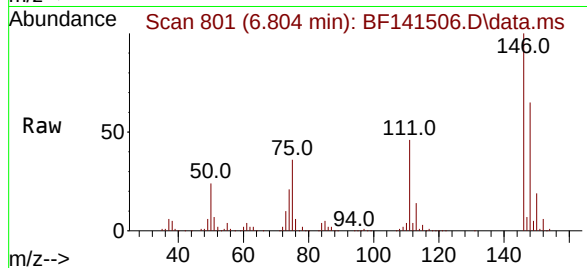
111 45.7 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#14

1,2-Dichlorobenzene

Concen: 39.770 ng

RT: 6.963 min Scan# 828

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

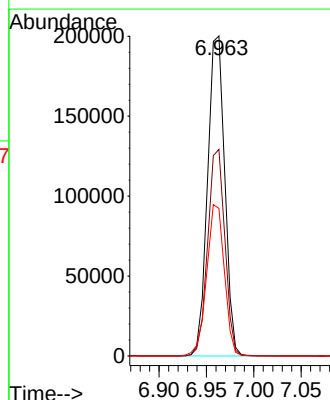
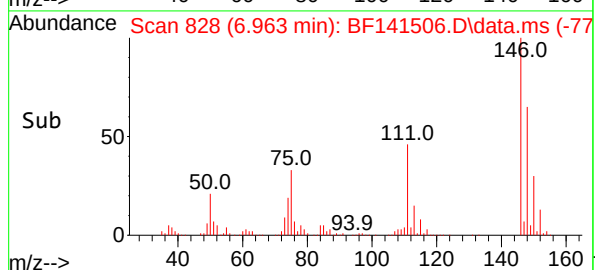
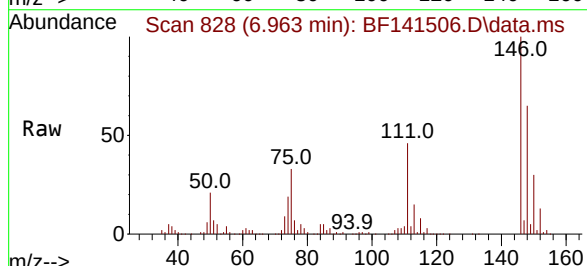
Tgt Ion:146 Resp: 252127

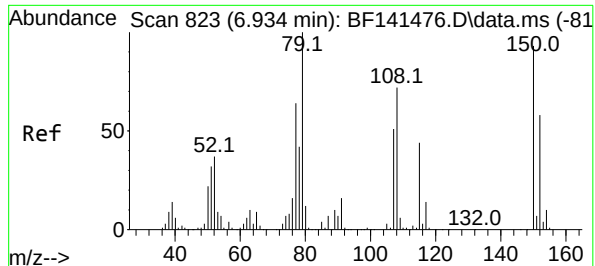
Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

111 46.1 37.0 55.4





#15

Benzyl Alcohol

Concen: 39.069 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 22192

Ion Ratio Lower Upper

79 100

108 72.8 57.4 86.2

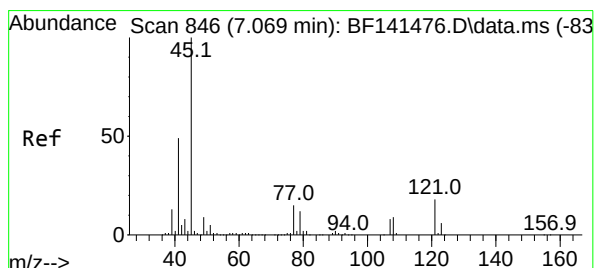
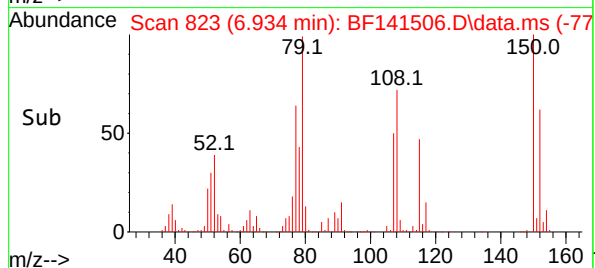
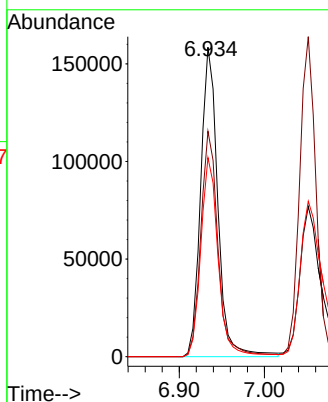
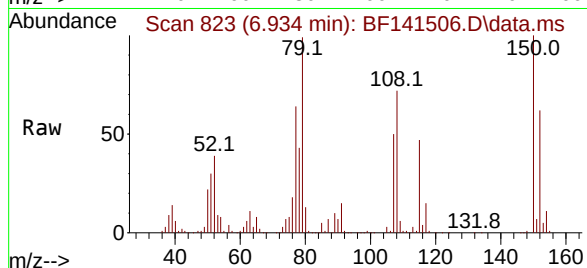
77 64.3 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.320 ng

RT: 7.069 min Scan# 846

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

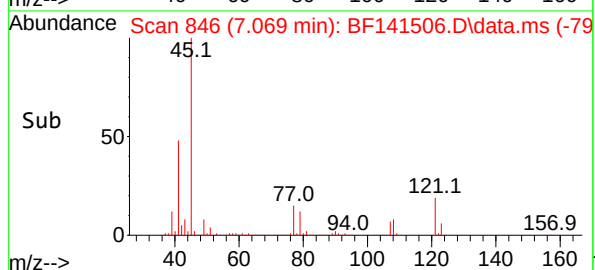
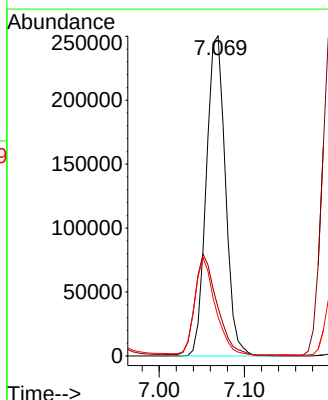
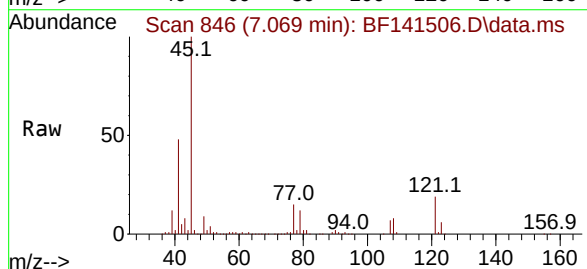
Tgt Ion: 45 Resp: 389773

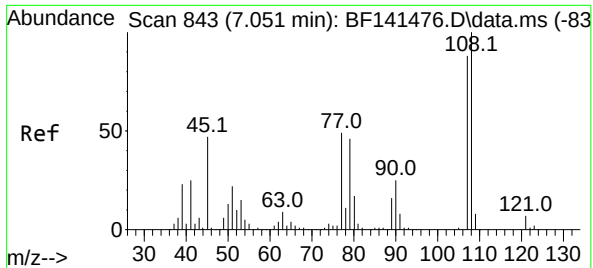
Ion Ratio Lower Upper

45 100

77 15.1 0.0 35.8

79 12.2 0.0 32.7





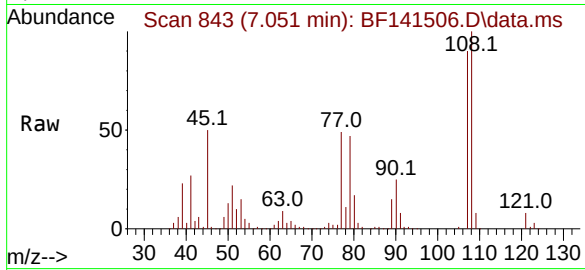
#17
2-Methylphenol
Concen: 39.445 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

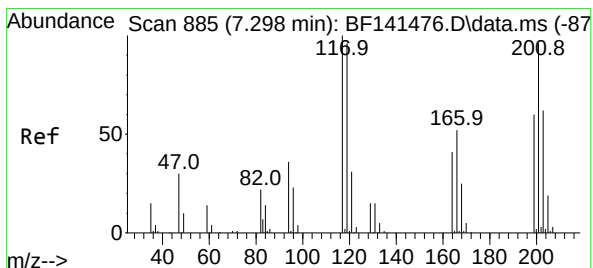
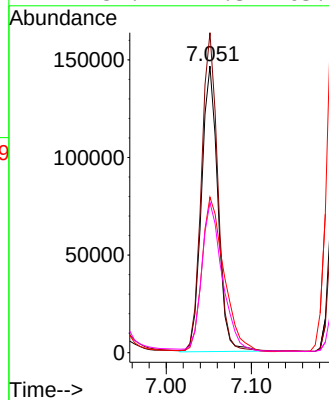
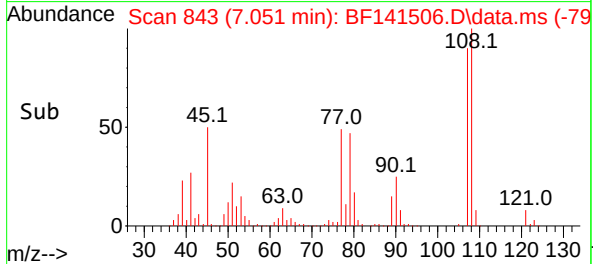


Tgt Ion:107 Resp: 195478
Ion Ratio Lower Upper
107 100
108 111.7 90.6 136.0
77 54.3 44.4 66.6
79 52.4 42.3 63.5

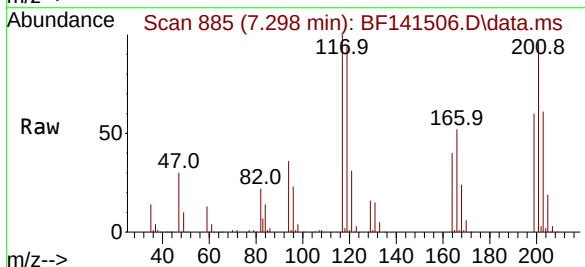
Manual Integrations

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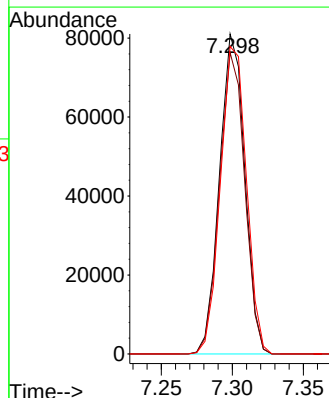
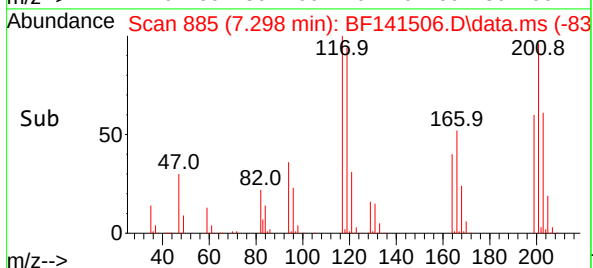
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

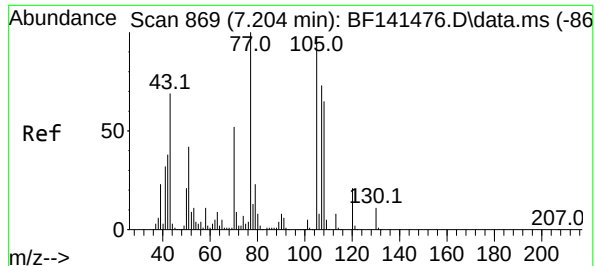


#18
Hexachloroethane
Concen: 39.613 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:117 Resp: 100140
Ion Ratio Lower Upper
117 100
119 94.1 76.5 114.7
201 96.1 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 40.556 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 17969

Ion Ratio Lower Upper

70 100

42 69.1 57.4 86.2

101 9.6 8.0 12.0

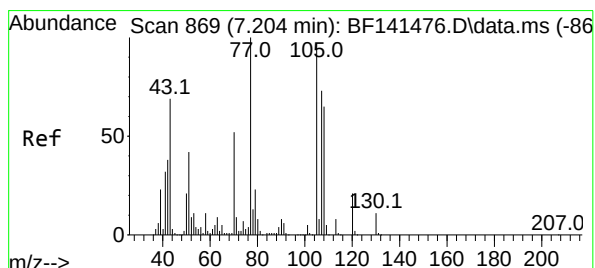
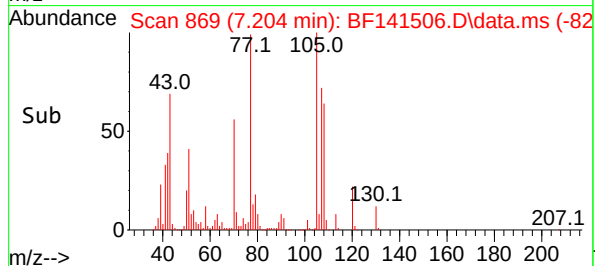
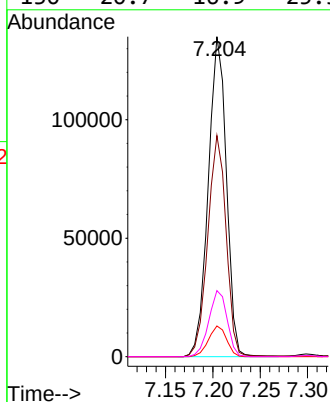
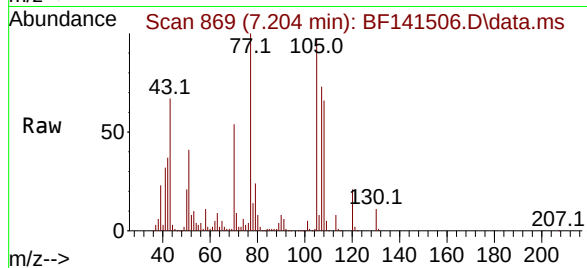
130 20.7 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#20

3+4-Methylphenols

Concen: 38.777 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Tgt Ion:107 Resp: 244214

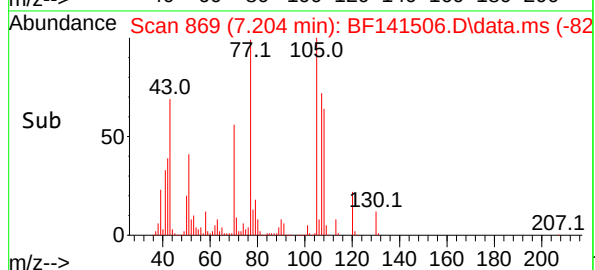
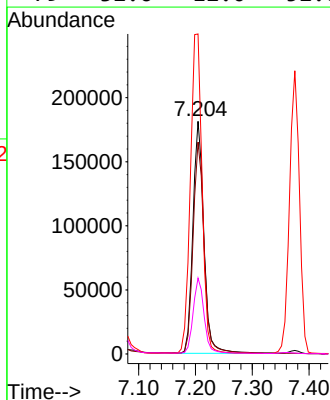
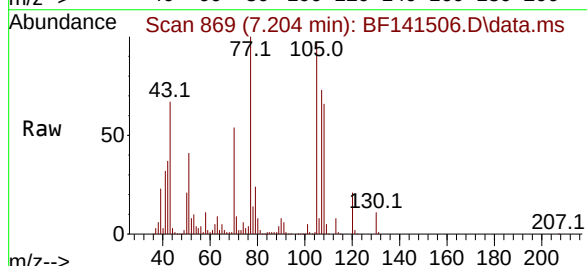
Ion Ratio Lower Upper

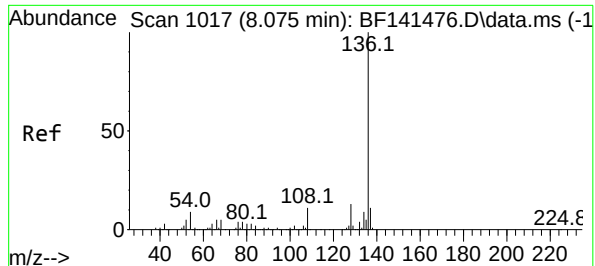
107 100

108 91.0 68.5 108.5

77 137.5 116.5 156.5

79 32.6 12.0 52.0





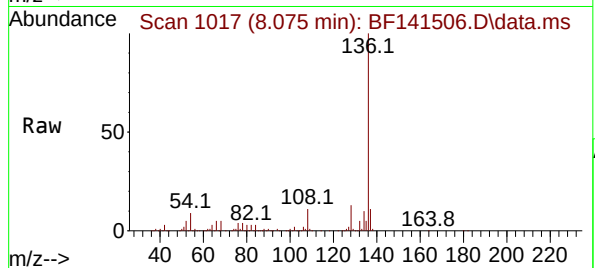
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

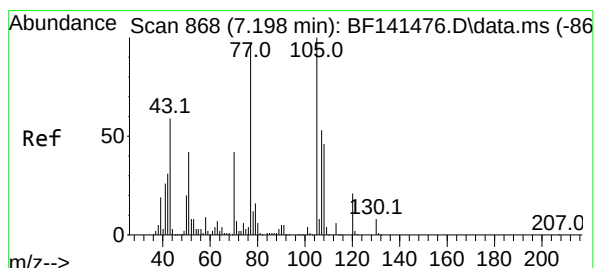
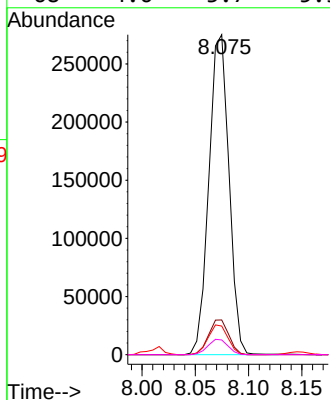
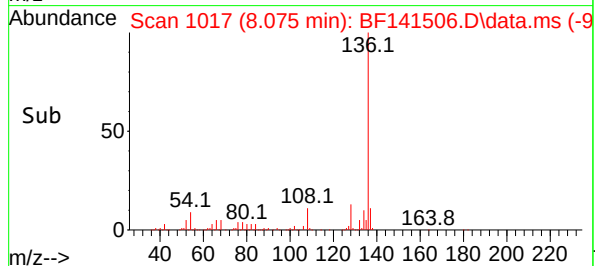


Tgt Ion:136 Resp: 360290
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 7.2 10.8
68 4.6 3.7 5.5

Manual Integrations

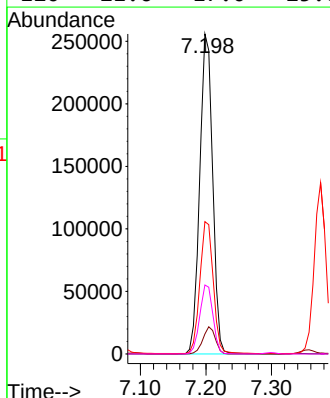
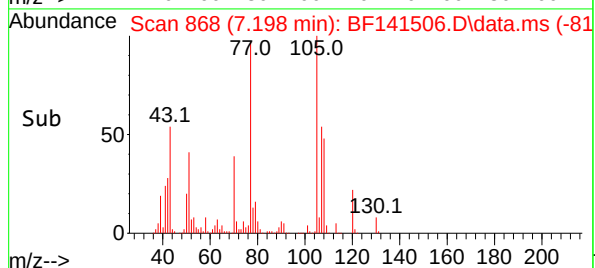
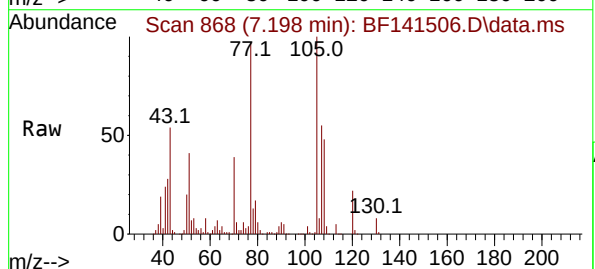
APPROVED

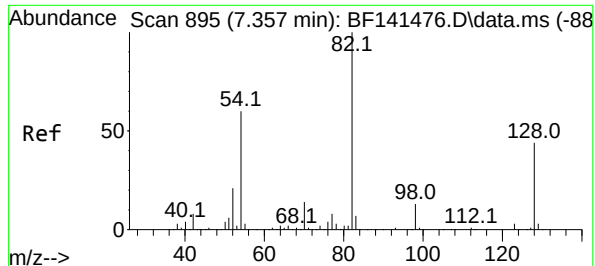
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#22
Acetophenone
Concen: 39.294 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:105 Resp: 352167
Ion Ratio Lower Upper
105 100
71 6.3 5.7 8.5
51 41.3 33.7 50.5
120 21.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 80.140 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 55357

Ion Ratio Lower Upper

82 100

128 43.4 34.8 52.2

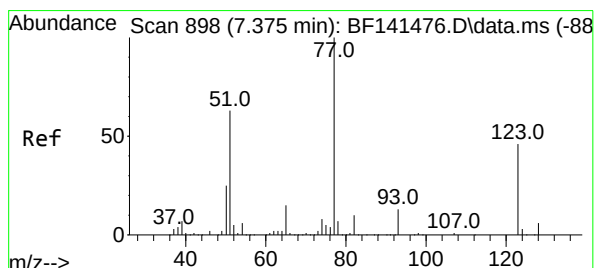
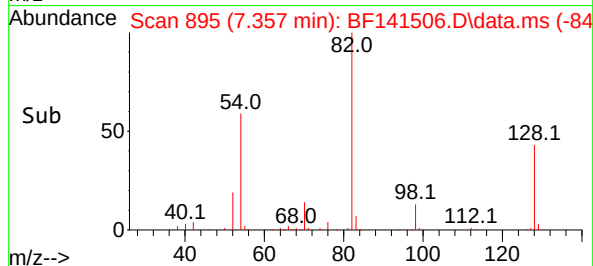
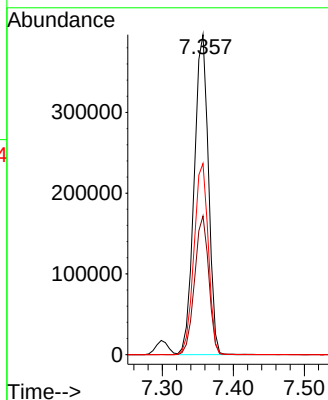
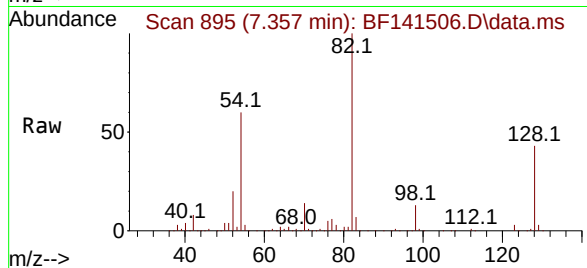
54 59.7 48.2 72.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#24

Nitrobenzene

Concen: 39.825 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

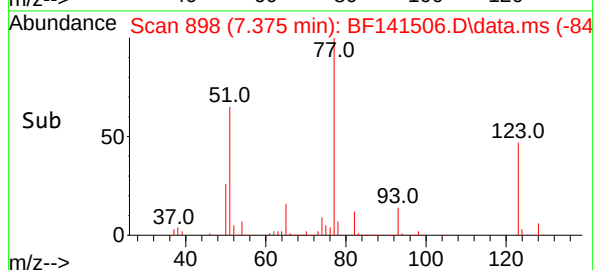
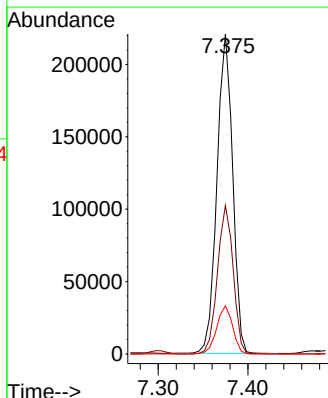
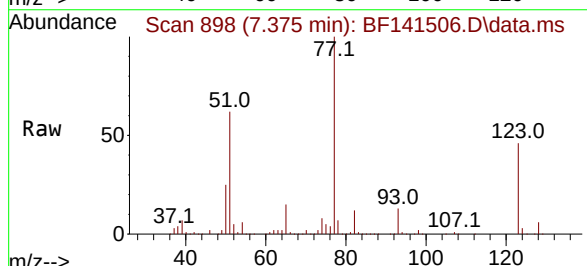
Tgt Ion: 77 Resp: 268254

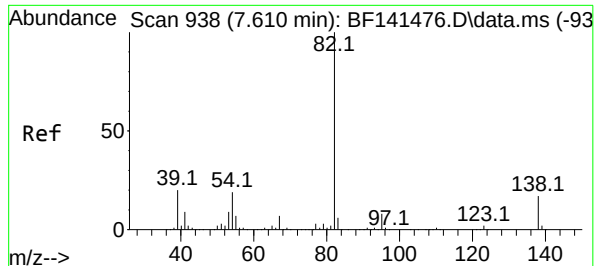
Ion Ratio Lower Upper

77 100

123 46.4 36.9 55.3

65 15.0 11.9 17.9





#25

Isophorone

Concen: 39.733 ng

RT: 7.610 min Scan# 910

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 43762

Ion Ratio Lower Upper

82 100

95 7.8 6.4 9.6

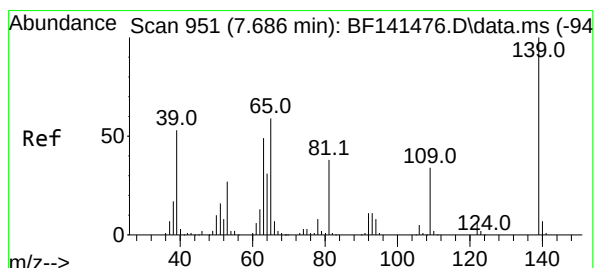
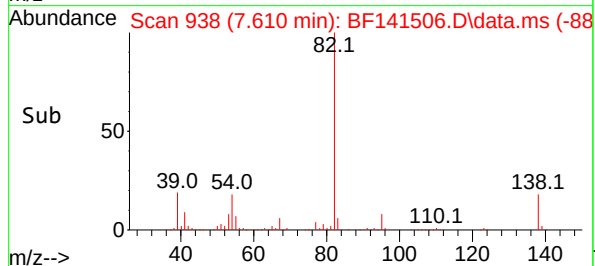
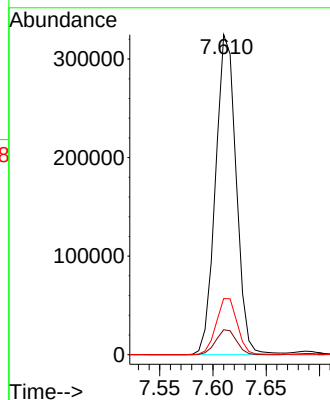
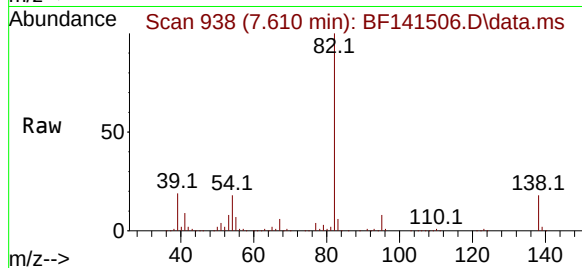
138 17.5 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#26

2-Nitrophenol

Concen: 41.014 ng

RT: 7.687 min Scan# 951

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

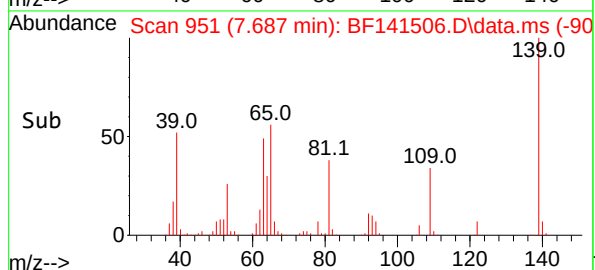
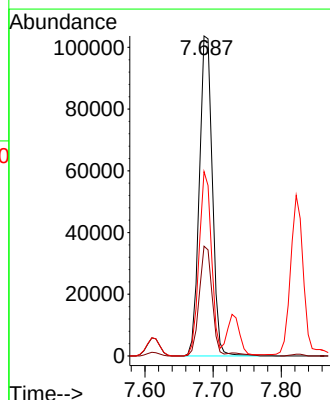
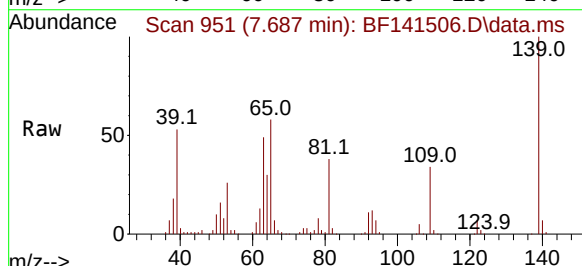
Tgt Ion:139 Resp: 137445

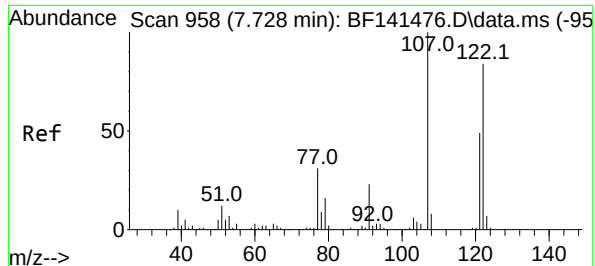
Ion Ratio Lower Upper

139 100

109 34.3 27.0 40.6

65 57.6 47.1 70.7





#27

2,4-Dimethylphenol

Concen: 40.362 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141506.D

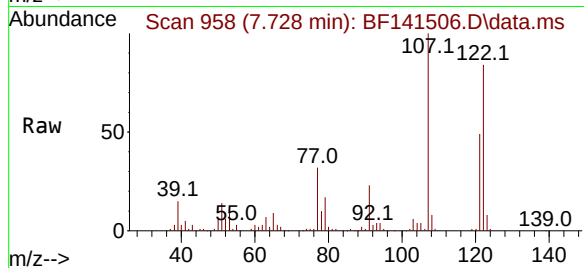
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:122 Resp: 158012

Ion Ratio Lower Upper

122 100

107 118.8 94.3 141.5

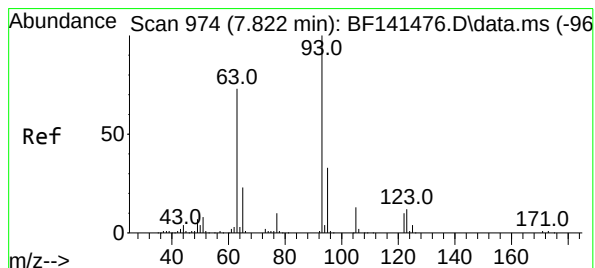
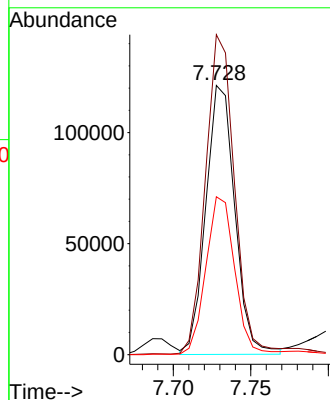
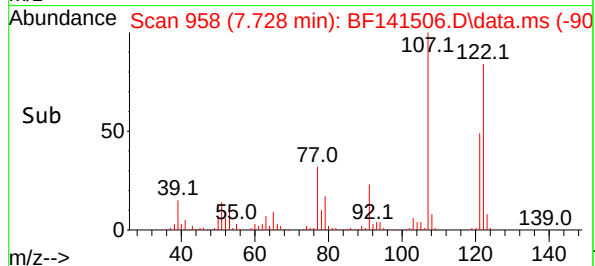
121 58.6 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.398 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

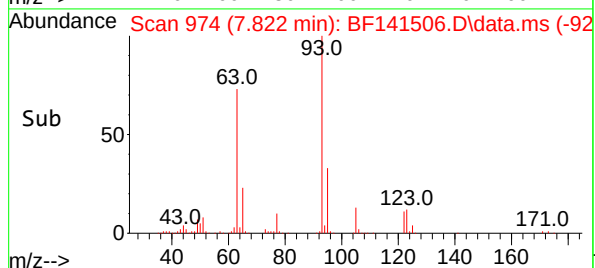
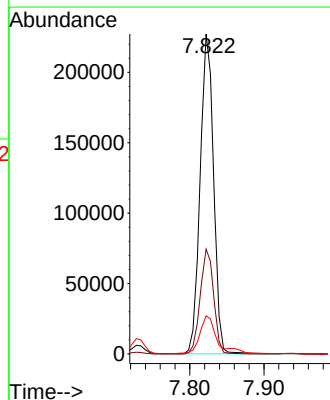
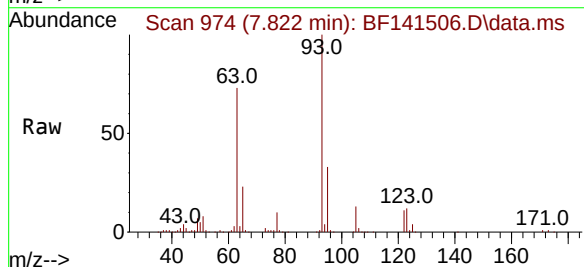
Tgt Ion: 93 Resp: 285112

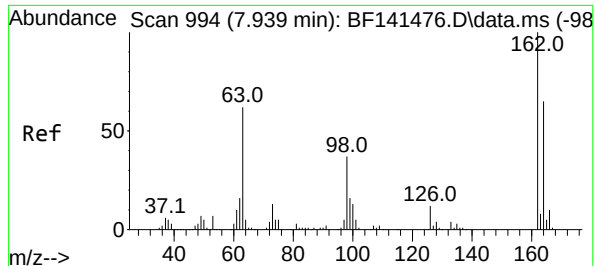
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 12.0 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.337 ng

RT: 7.940 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 21336

Ion Ratio Lower Upper

162 100

164 63.6 44.6 84.6

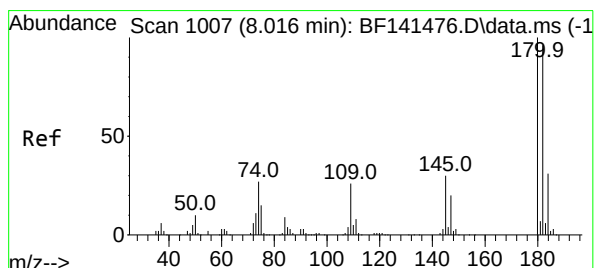
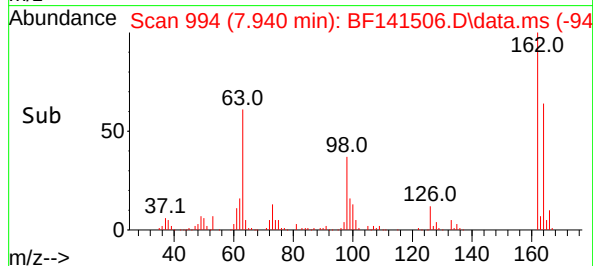
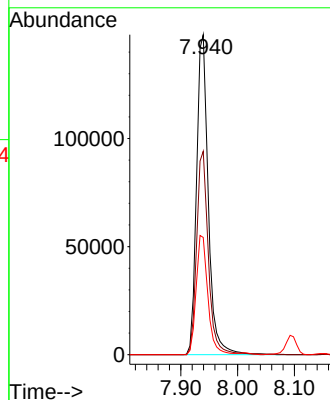
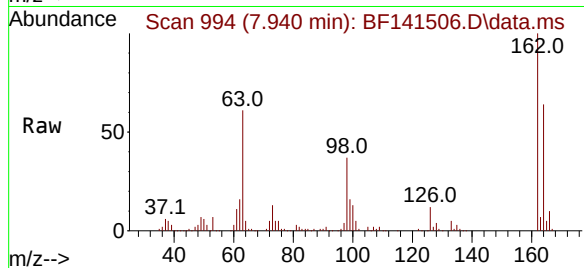
98 36.7 17.2 57.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#30

1,2,4-Trichlorobenzene

Concen: 39.869 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

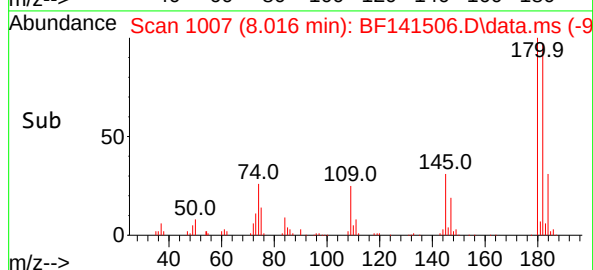
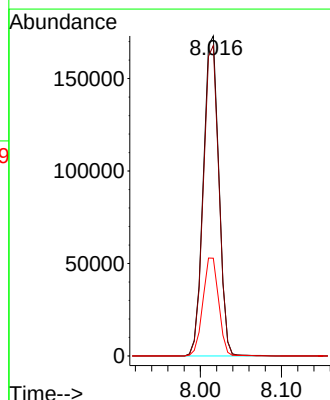
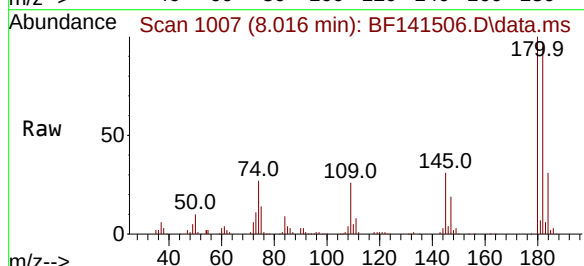
Tgt Ion:180 Resp: 229655

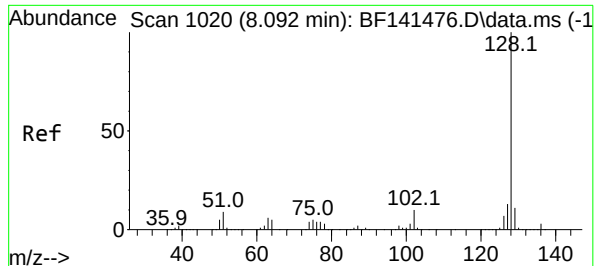
Ion Ratio Lower Upper

180 100

182 97.0 76.8 115.2

145 30.5 24.2 36.4





#31

Naphthalene

Concen: 39.968 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 74958

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

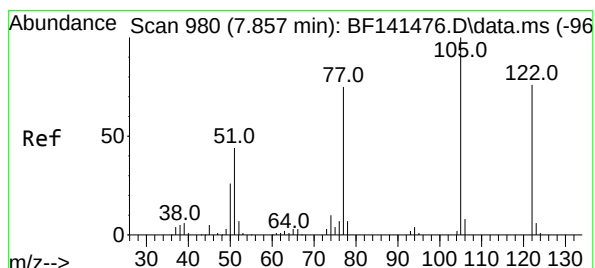
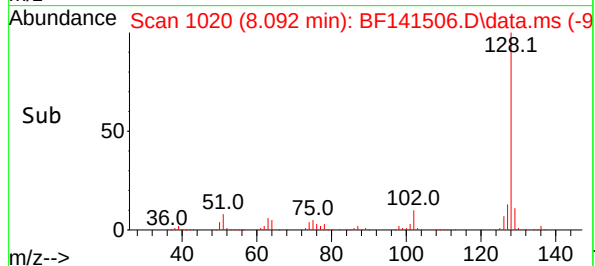
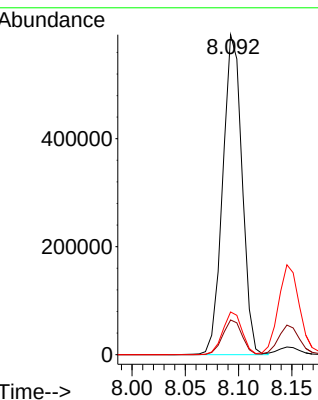
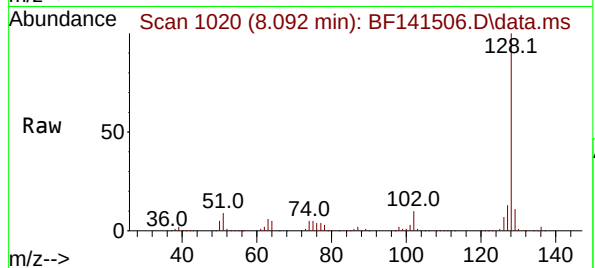
127 13.4 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#32

Benzoic acid

Concen: 40.092 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.035 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

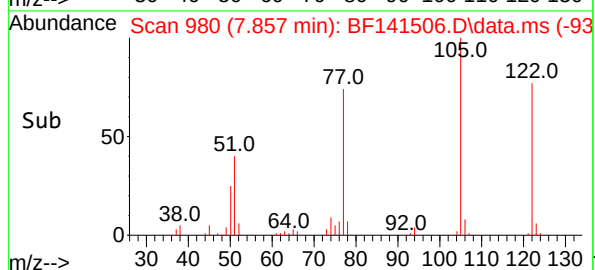
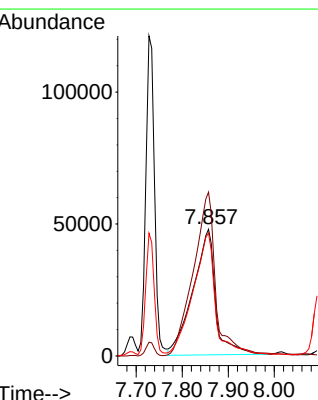
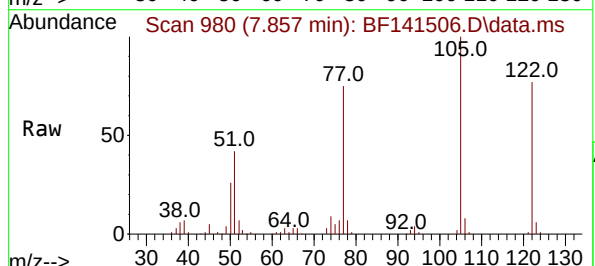
Tgt Ion:122 Resp: 163033

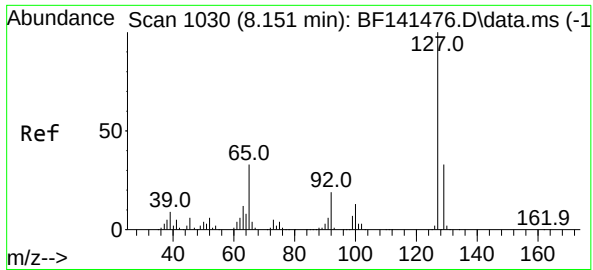
Ion Ratio Lower Upper

122 100

105 129.3 106.5 146.5

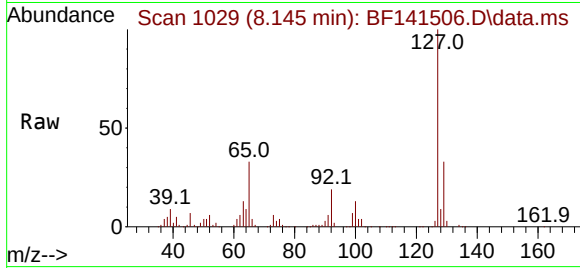
77 97.1 76.3 116.3





#33
4-Chloroaniline
Concen: 35.960 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

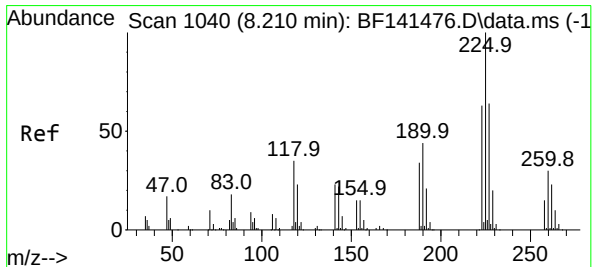
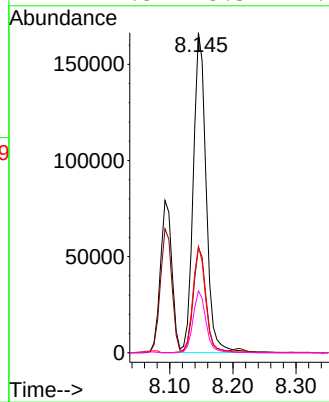
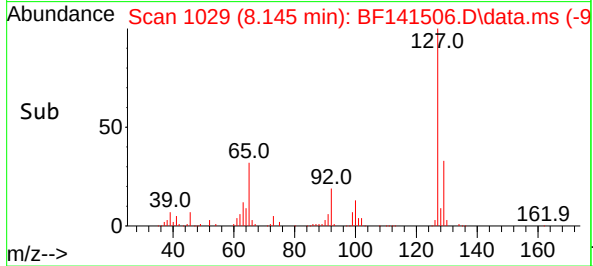
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:127 Resp: 235464
Ion Ratio Lower Upper
127 100
129 32.9 26.5 39.7
65 33.2 26.4 39.6
92 19.3 15.3 22.9

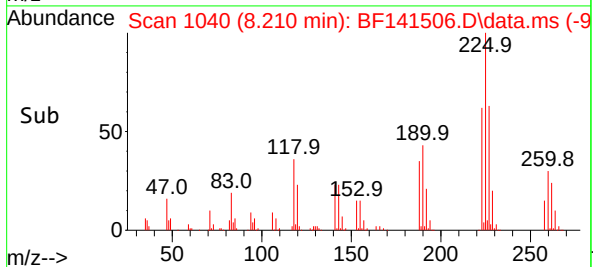
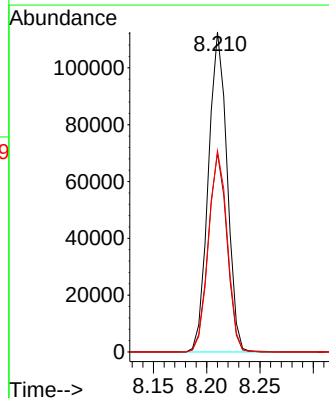
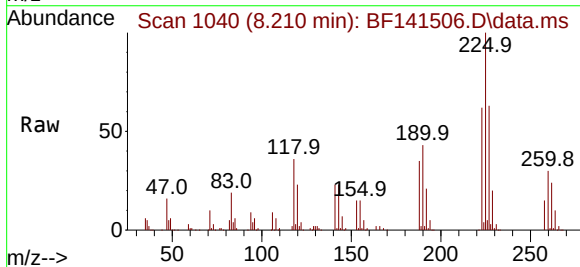
Manual Integrations
APPROVED

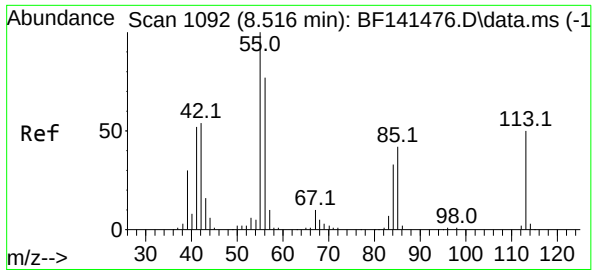
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#34
Hexachlorobutadiene
Concen: 39.845 ng
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

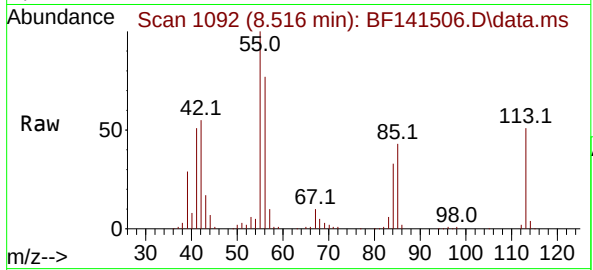
Tgt Ion:225 Resp: 137788
Ion Ratio Lower Upper
225 100
223 62.2 50.1 75.1
227 62.9 51.0 76.6





#35
Caprolactam
Concen: 41.746 ng
RT: 8.516 min Scan# 1092
Delta R.T. -0.029 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

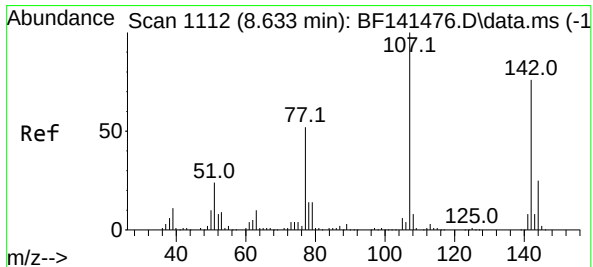
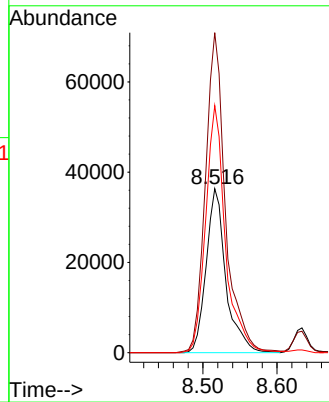
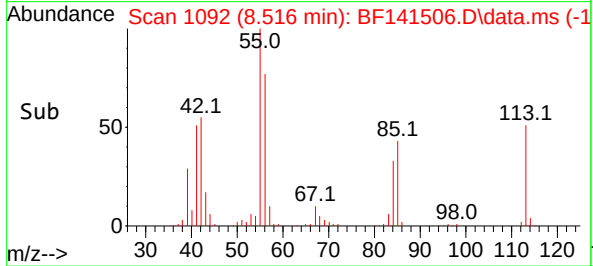
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:113 Resp: 6723
Ion Ratio Lower Upper
113 100
55 195.1 180.8 220.8
56 150.6 133.6 173.6

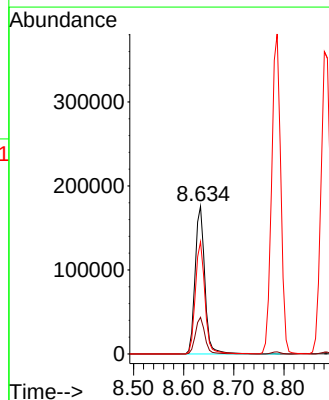
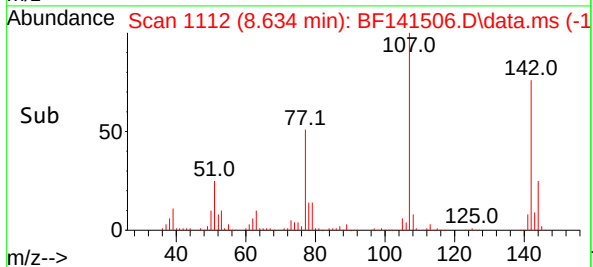
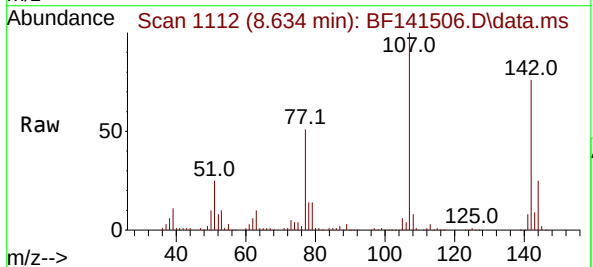
Manual Integrations
APPROVED

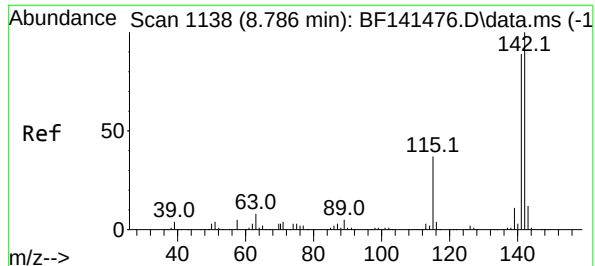
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#36
4-Chloro-3-methylphenol
Concen: 40.105 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

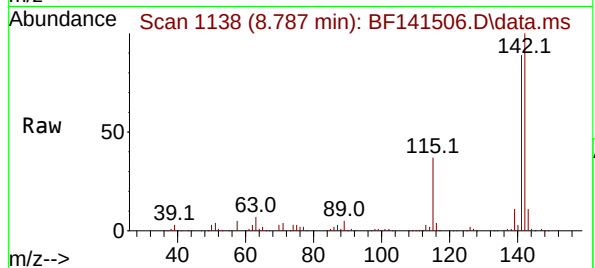
Tgt Ion:107 Resp: 234989
Ion Ratio Lower Upper
107 100
144 24.8 19.7 29.5
142 76.0 60.8 91.2





#37
2-Methylnaphthalene
Concen: 39.430 ng
RT: 8.787 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

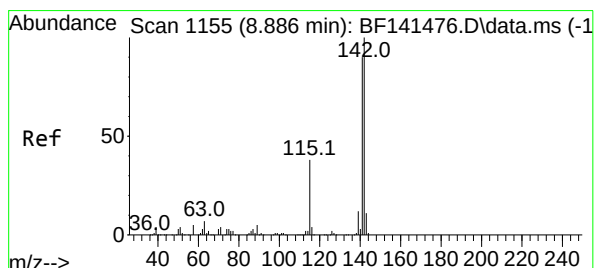
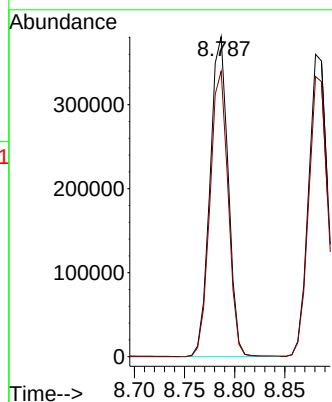
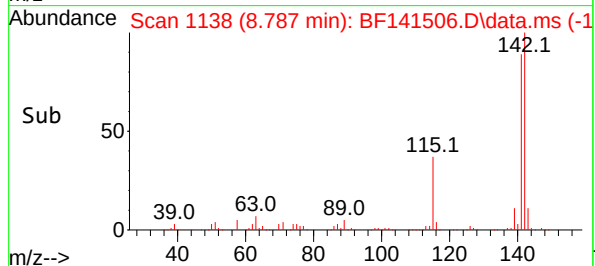
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:142 Resp: 481204
Ion Ratio Lower Upper
142 100
141 89.2 71.2 106.8

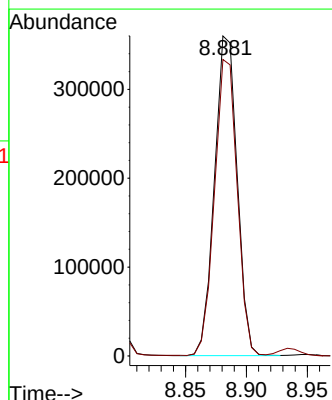
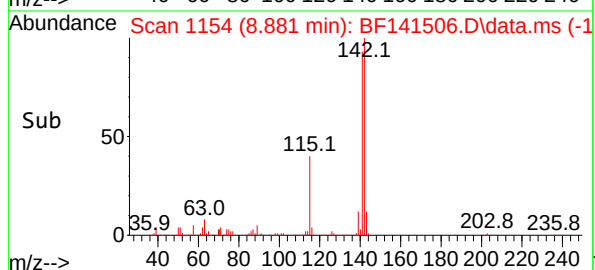
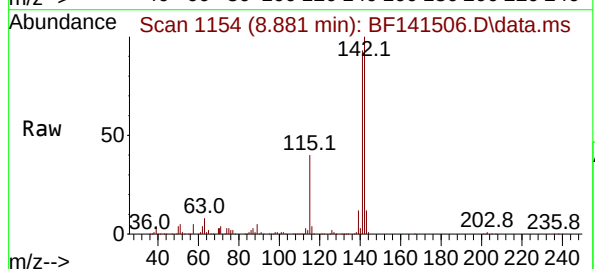
Manual Integrations
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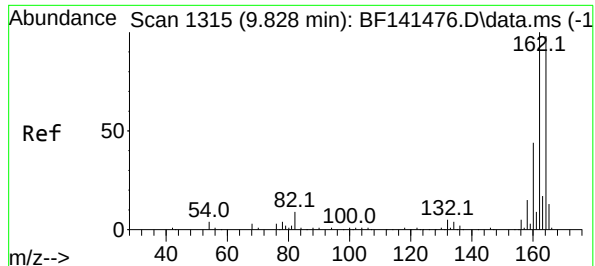
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#38
1-Methylnaphthalene
Concen: 39.416 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:142 Resp: 465894
Ion Ratio Lower Upper
142 100
141 92.6 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 11315

Delta R.T. -0.006 min

Lab File: BF141506.D

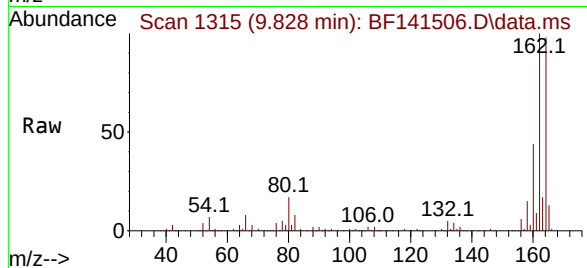
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:164 Resp: 198348

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

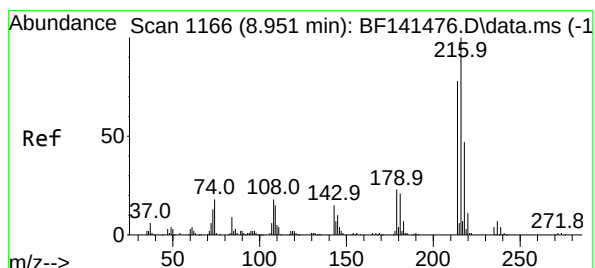
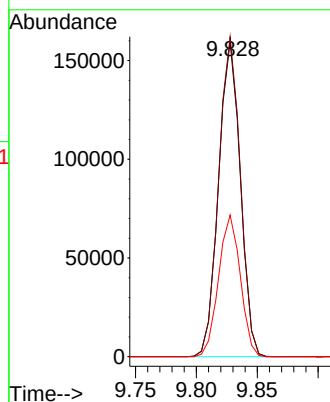
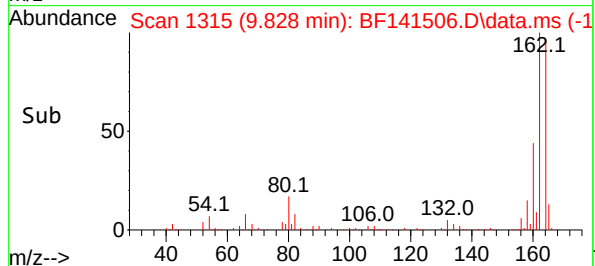
160 45.0 35.9 53.9

Manual Integrations

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Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#40

1,2,4,5-Tetrachlorobenzene

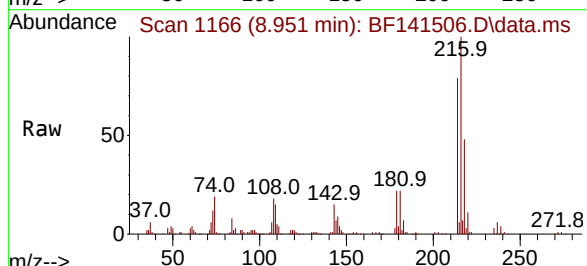
Concen: 39.480 ng

RT: 8.951 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33



Tgt Ion:216 Resp: 226553

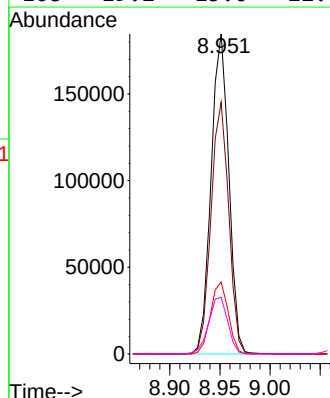
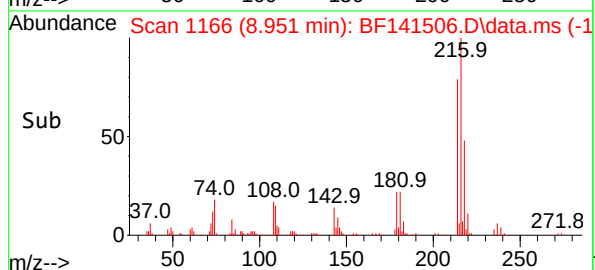
Ion Ratio Lower Upper

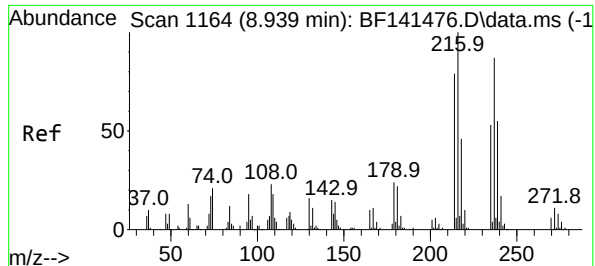
216 100

214 78.5 62.3 93.5

179 22.6 18.0 27.0

108 19.2 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 40.055 ng

RT: 8.934 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 7645

Ion Ratio Lower Upper

237 100

235 62.5 41.4 81.4

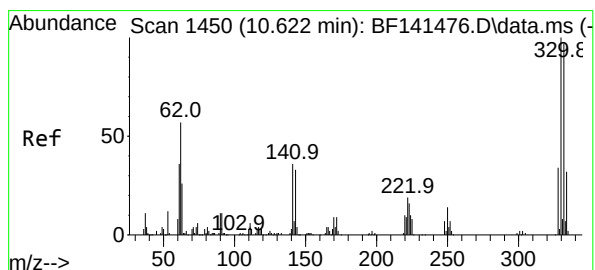
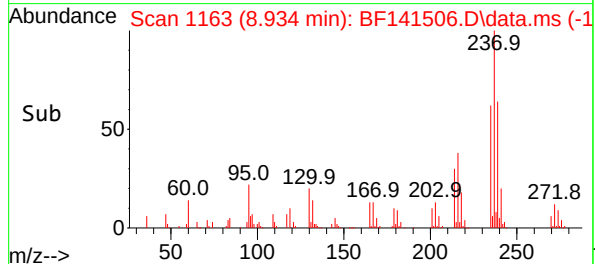
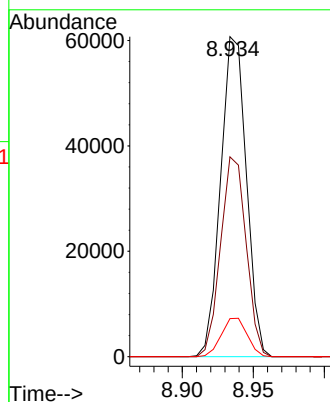
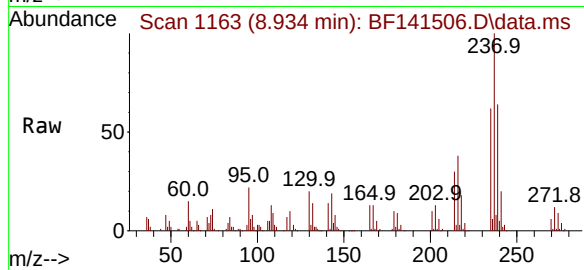
272 11.9 0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#42

2,4,6-Tribromophenol

Concen: 79.512 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

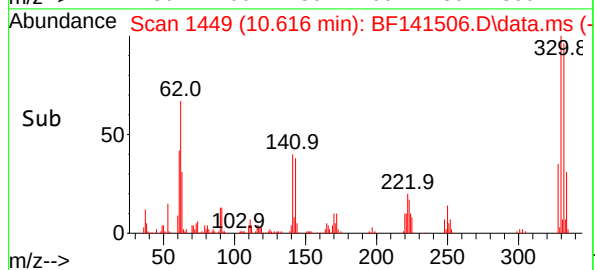
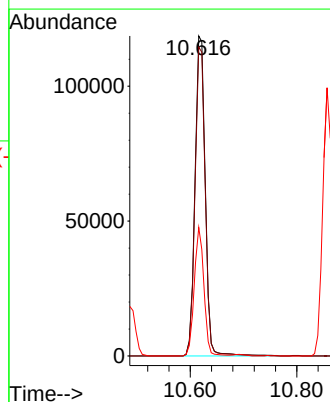
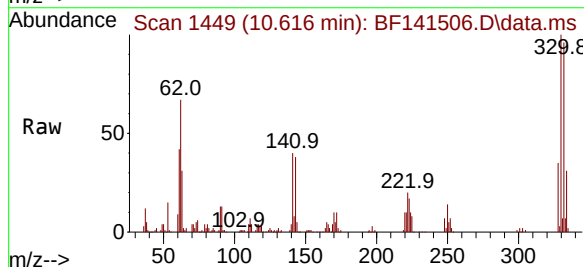
Tgt Ion:330 Resp: 158428

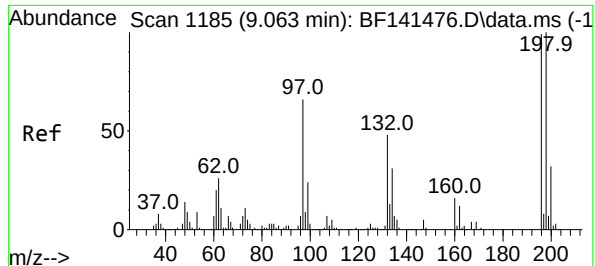
Ion Ratio Lower Upper

330 100

332 96.3 78.5 117.7

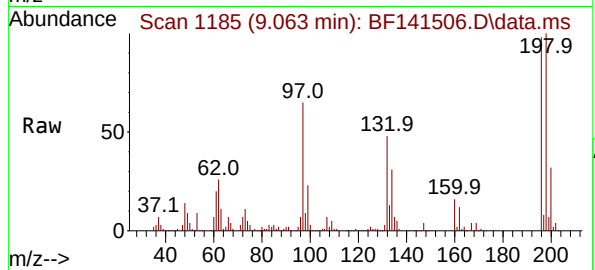
141 37.9 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 39.310 ng
RT: 9.063 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

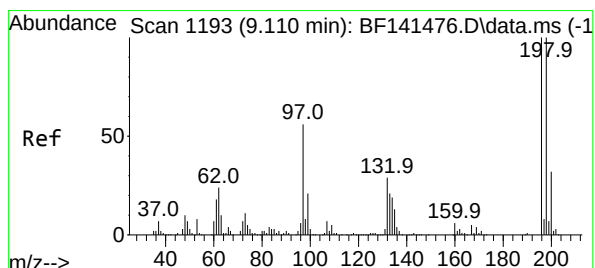
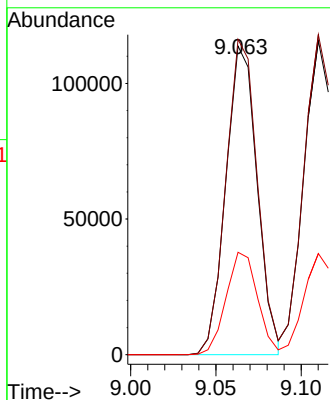
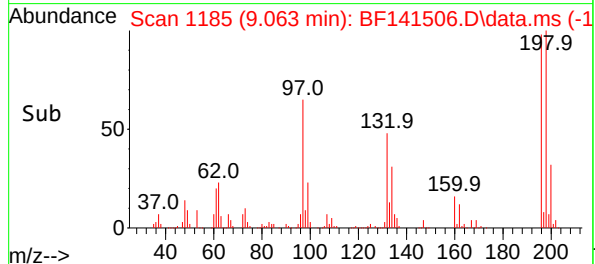
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



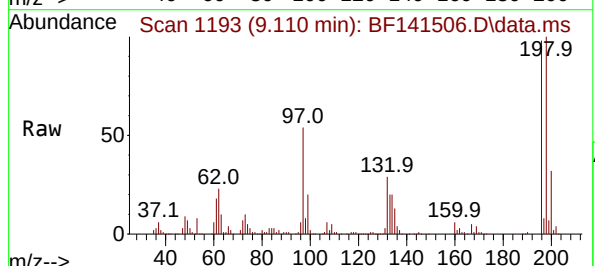
Tgt Ion:196 Resp: 145794
Ion Ratio Lower Upper
196 100
198 102.2 80.6 121.0
200 33.2 25.5 38.3

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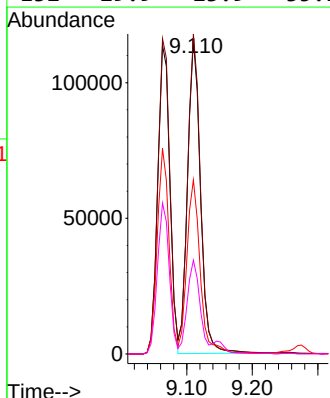
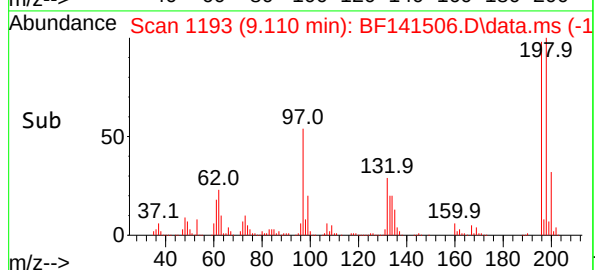
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

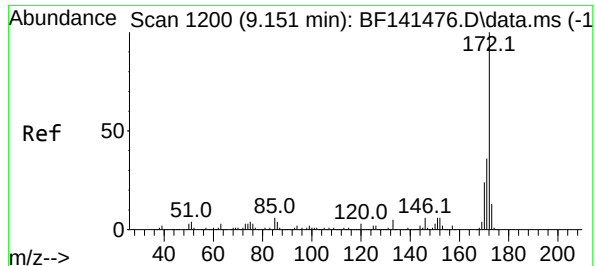


#44
2,4,5-Trichlorophenol
Concen: 39.352 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:196 Resp: 158176
Ion Ratio Lower Upper
196 100
198 102.0 79.8 119.8
97 55.4 44.8 67.2
132 29.9 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 78.150 ng

RT: 9.151 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 1006130

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

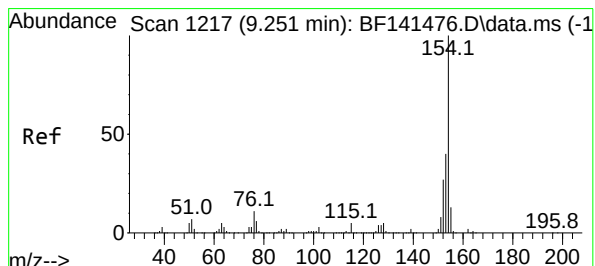
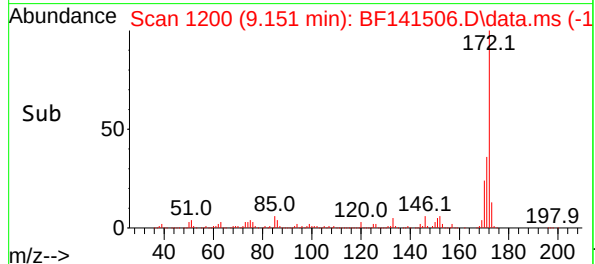
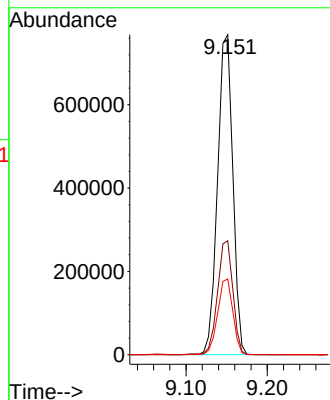
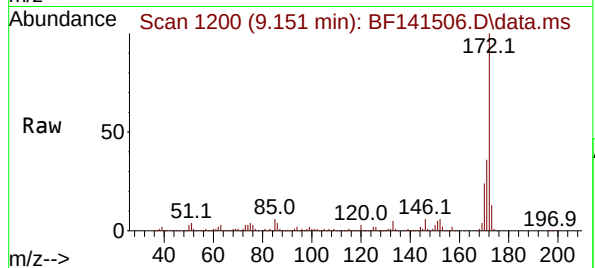
170 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#46

1,1'-Biphenyl

Concen: 39.417 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

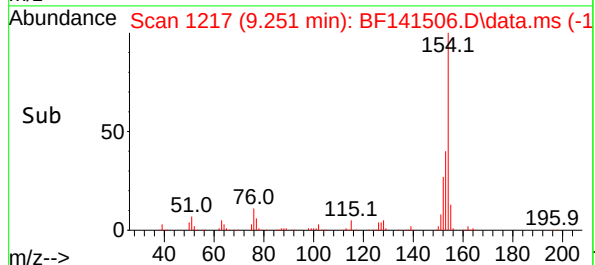
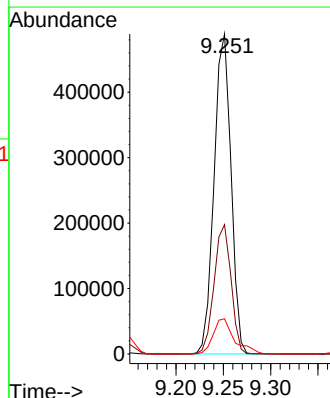
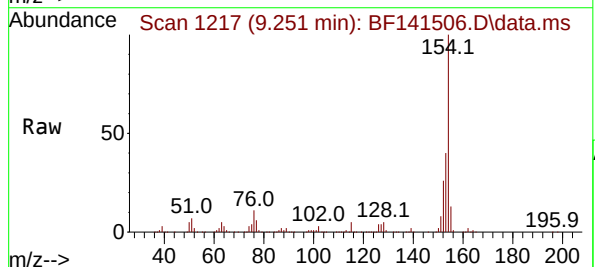
Tgt Ion:154 Resp: 606143

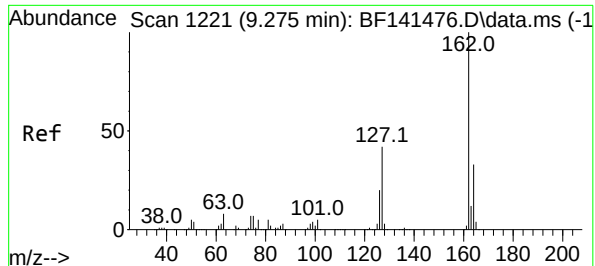
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.0 0.0 30.8





#47

2-Chloronaphthalene

Concen: 39.485 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 448999

Ion Ratio Lower Upper

162 100

127 42.8 34.1 51.1

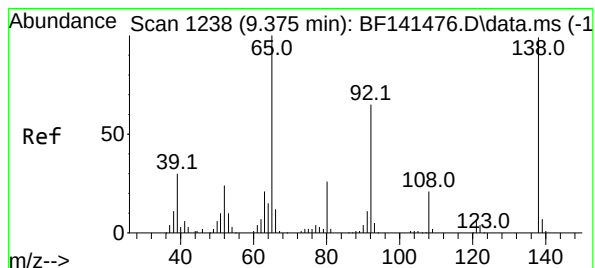
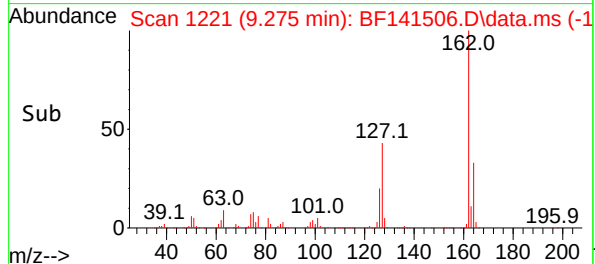
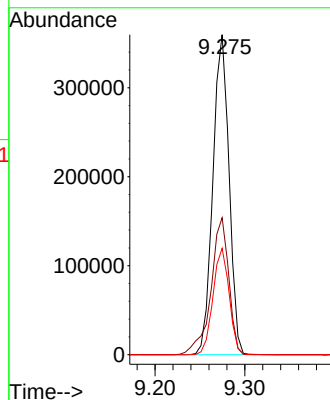
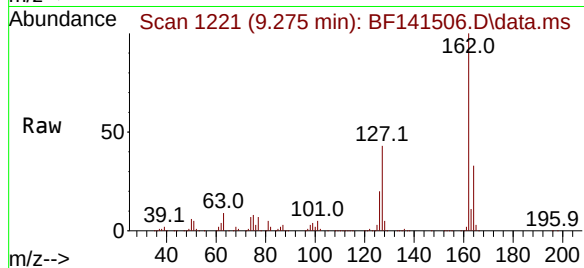
164 33.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#48

2-Nitroaniline

Concen: 40.054 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

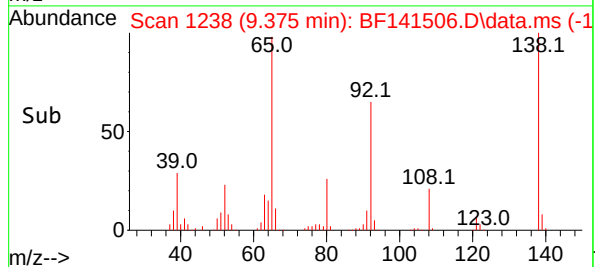
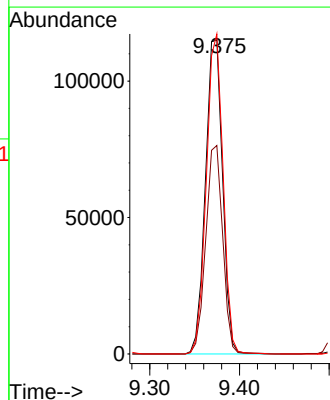
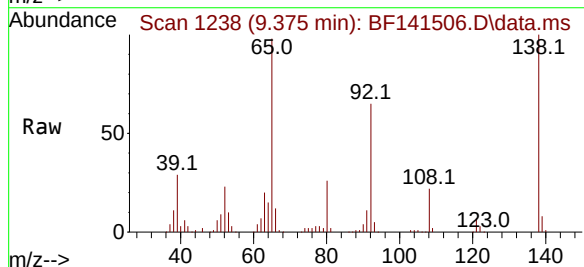
Tgt Ion: 65 Resp: 152856

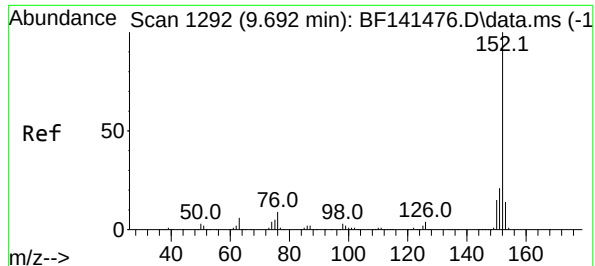
Ion Ratio Lower Upper

65 100

92 66.4 52.2 78.2

138 101.9 79.5 119.3





#49

Acenaphthylene

Concen: 39.800 ng

RT: 9.686 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141506.D

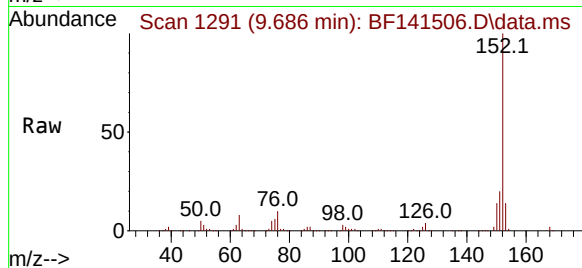
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040



Tgt Ion:152 Resp: 67315

Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

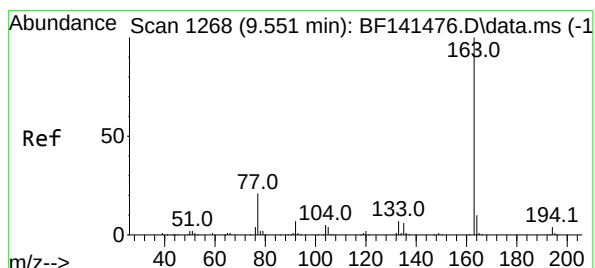
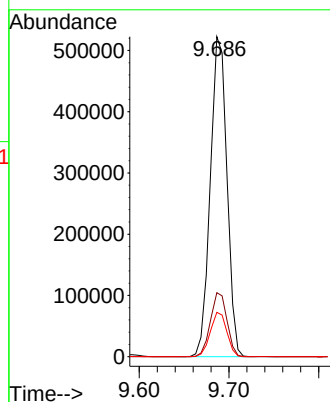
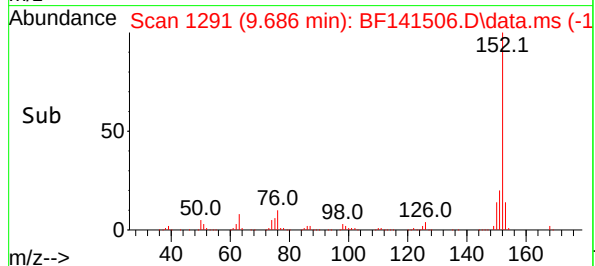
153 13.9 10.9 16.3

Manual Integrations

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Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#50

Dimethylphthalate

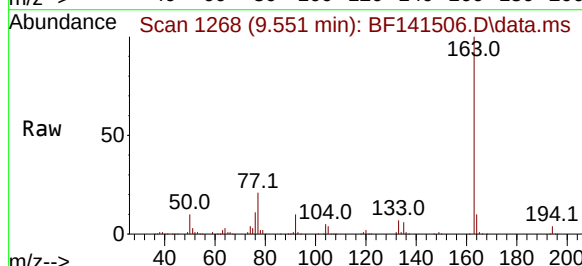
Concen: 39.426 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33



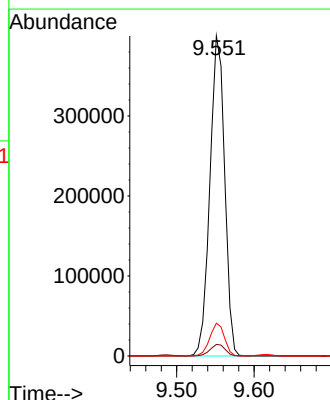
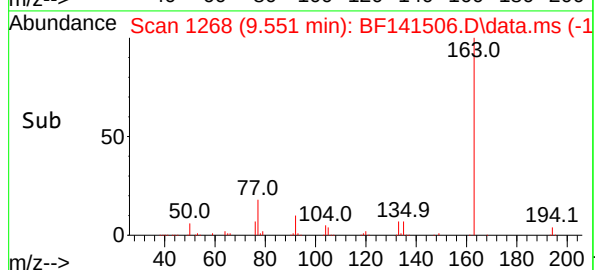
Tgt Ion:163 Resp: 530887

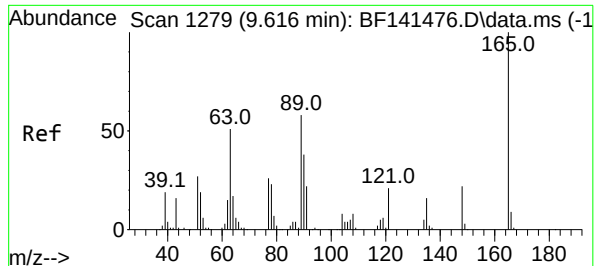
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

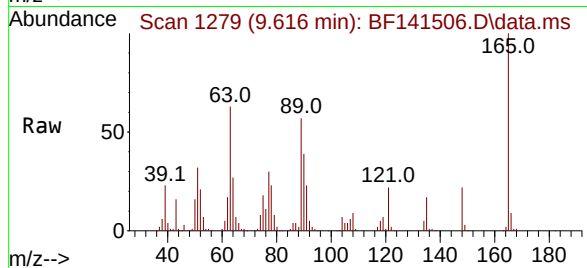
164 10.3 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 39.701 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

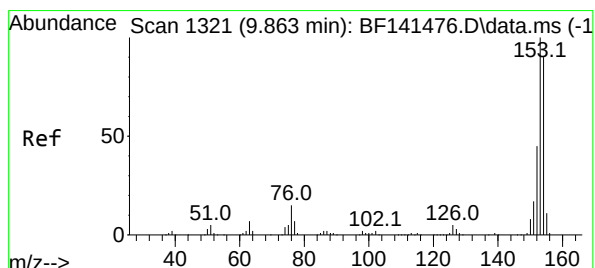
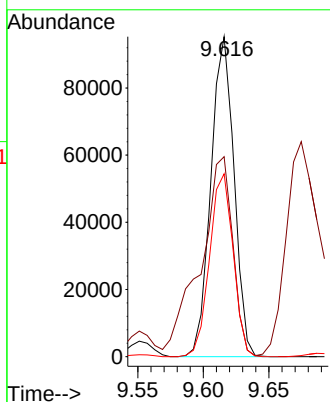
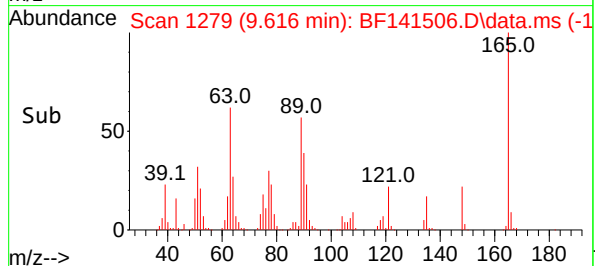
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



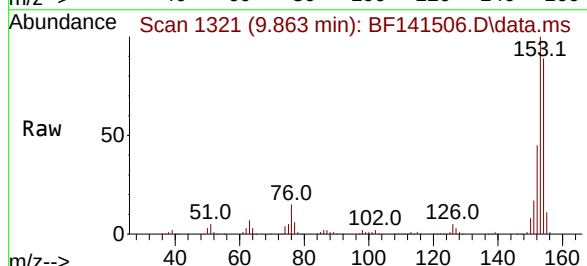
Tgt Ion:165 Resp: 11686
Ion Ratio Lower Upper
165 100
63 62.5 49.4 74.0
89 57.2 46.5 69.7

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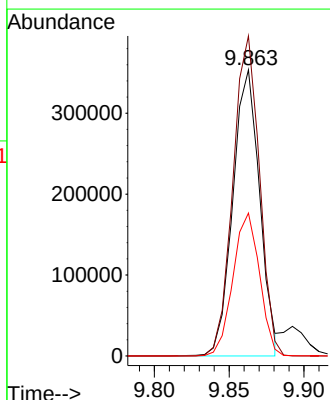
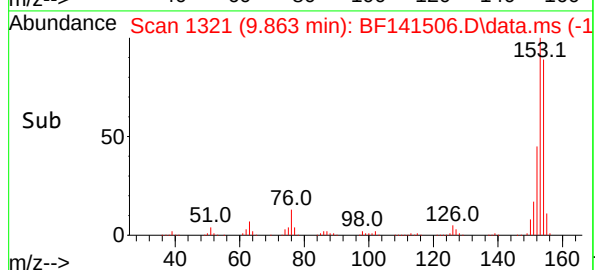
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

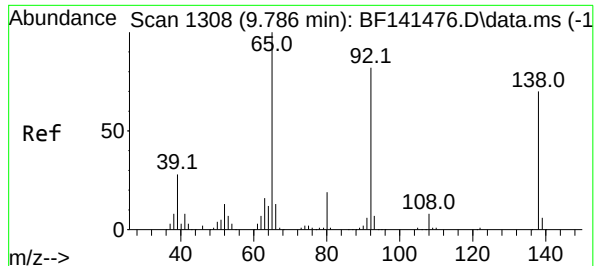


#52
Acenaphthene
Concen: 38.936 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



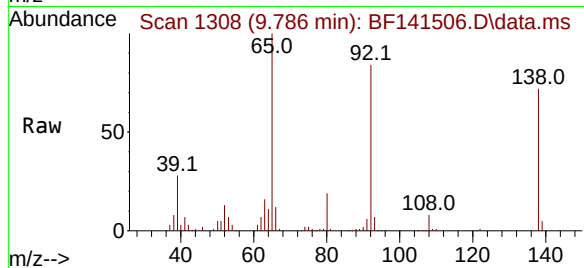
Tgt Ion:154 Resp: 442729
Ion Ratio Lower Upper
154 100
153 111.9 89.2 133.8
152 50.0 39.8 59.8





#53
3-Nitroaniline
Concen: 39.406 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

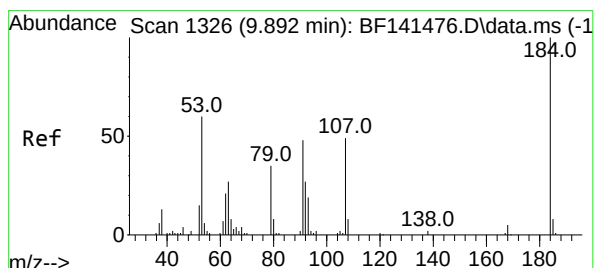
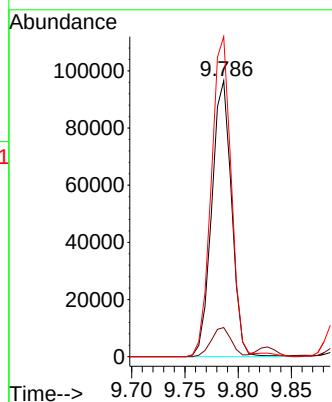
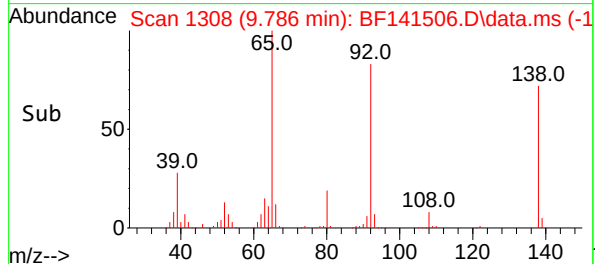
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:138 Resp: 124840
Ion Ratio Lower Upper
138 100
108 10.6 9.0 13.4
92 116.0 93.7 140.5

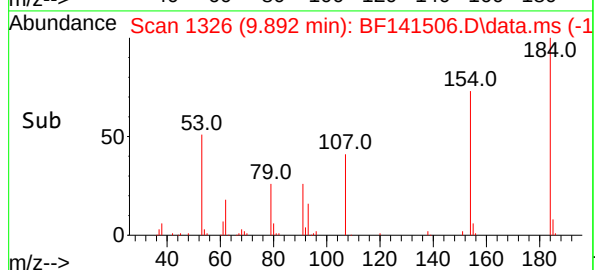
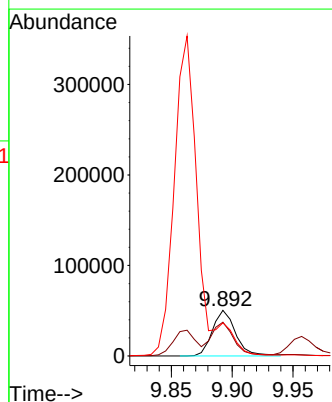
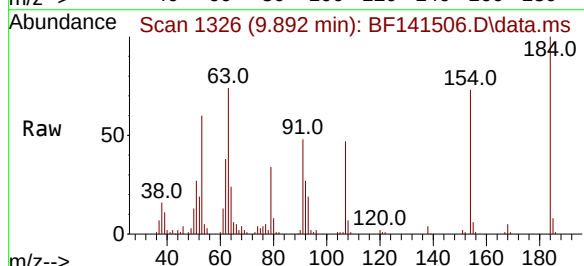
Manual Integrations
APPROVED

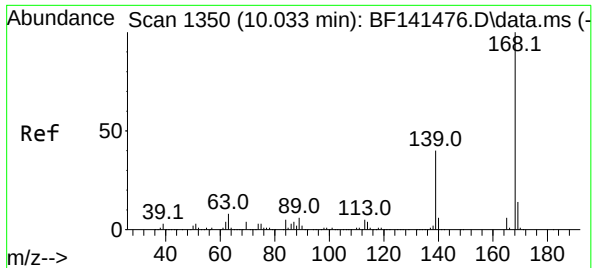
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#54
2,4-Dinitrophenol
Concen: 38.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

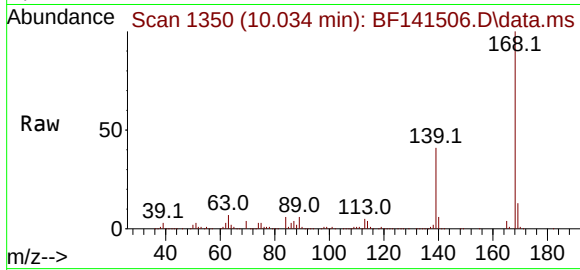
Tgt Ion:184 Resp: 67053
Ion Ratio Lower Upper
184 100
63 74.1 61.0 91.6
154 72.8 59.9 89.9





#55
Dibenzofuran
Concen: 39.347 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

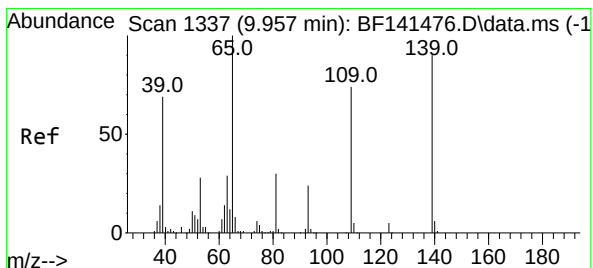
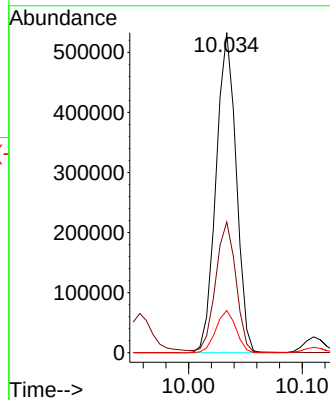
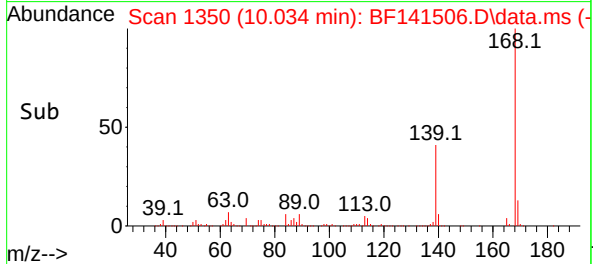
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 656711
Ion Ratio Lower Upper
168 100
139 40.9 32.7 49.1
169 13.1 10.8 16.2

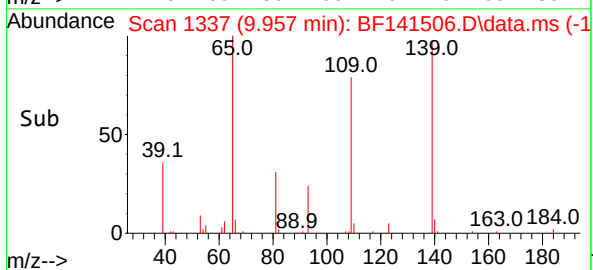
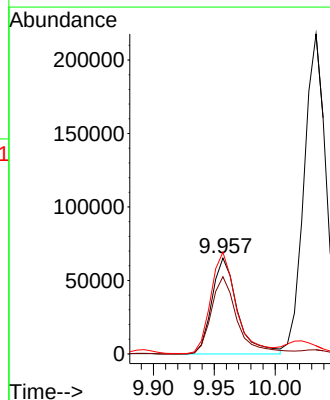
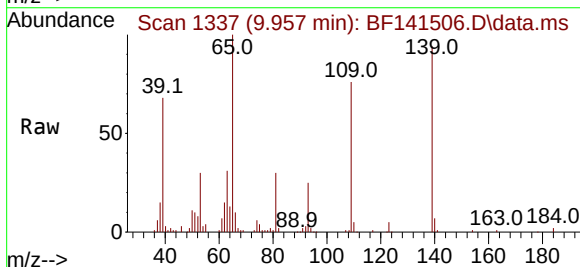
Manual Integrations
APPROVED

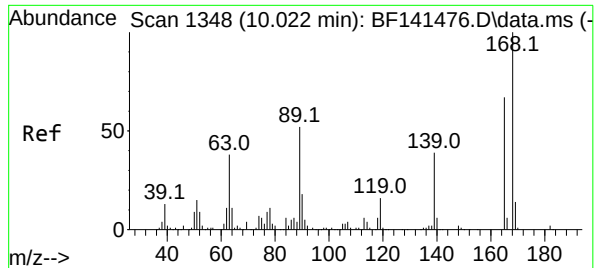
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#56
4-Nitrophenol
Concen: 40.524 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Tgt Ion:139 Resp: 95307
Ion Ratio Lower Upper
139 100
109 80.7 62.0 102.0
65 106.1 91.2 131.2





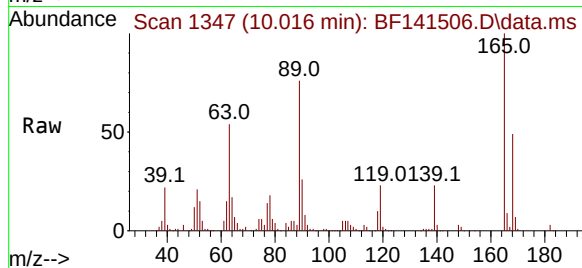
#57
2,4-Dinitrotoluene
Concen: 40.483 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

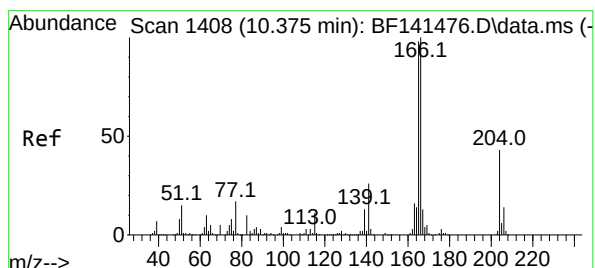
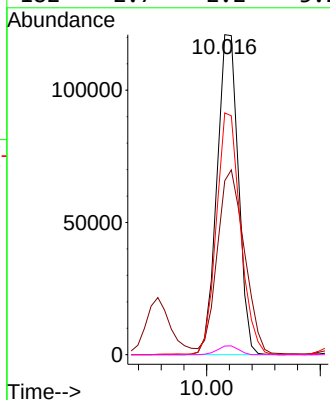
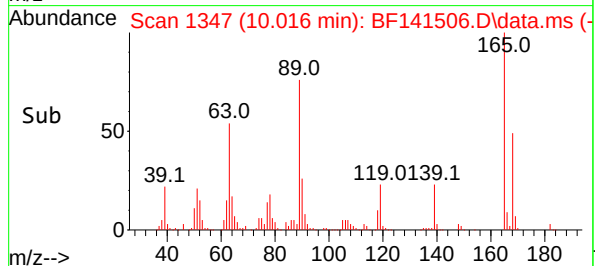


Tgt Ion:165 Resp: 15864
Ion Ratio Lower Upper
165 100
63 54.3 46.4 69.6
89 75.5 61.8 92.6
182 2.7 2.2 3.2

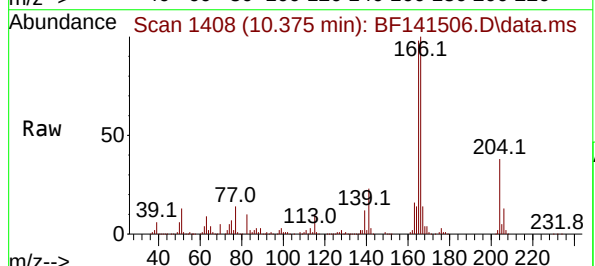
Manual Integrations

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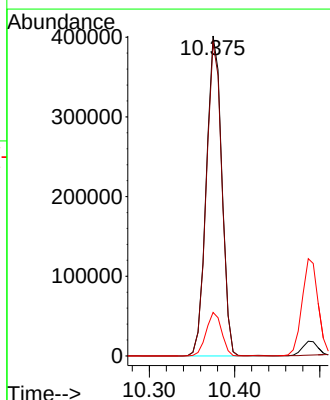
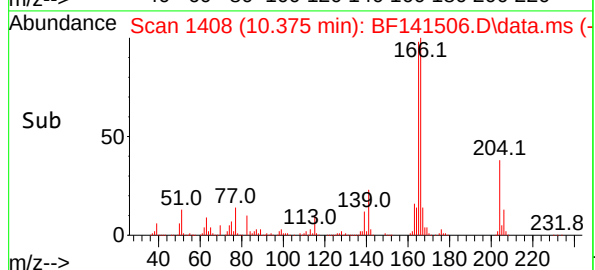
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

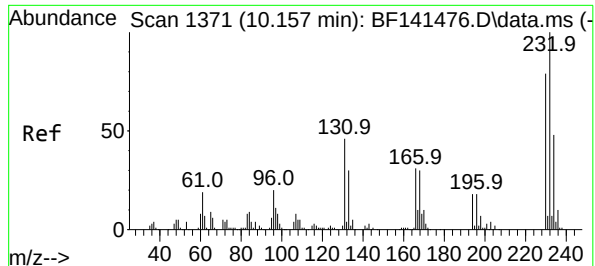


#58
Fluorene
Concen: 39.298 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



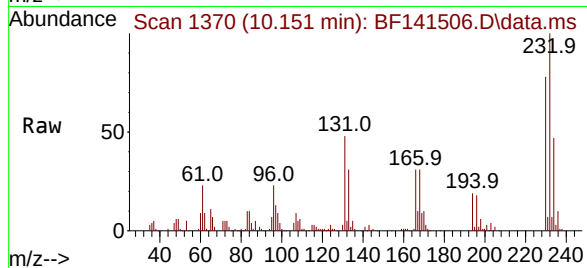
Tgt Ion:166 Resp: 507132
Ion Ratio Lower Upper
166 100
165 97.8 78.2 117.2
167 13.6 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.668 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

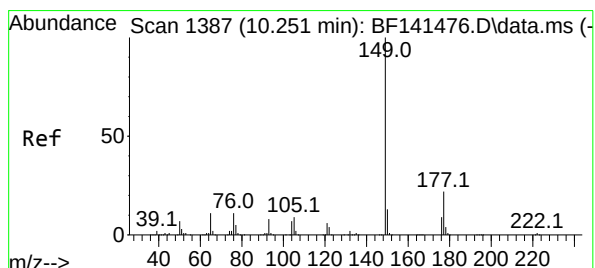
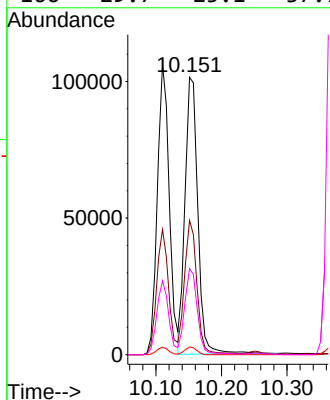
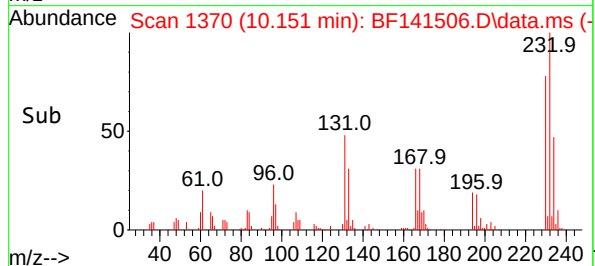
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



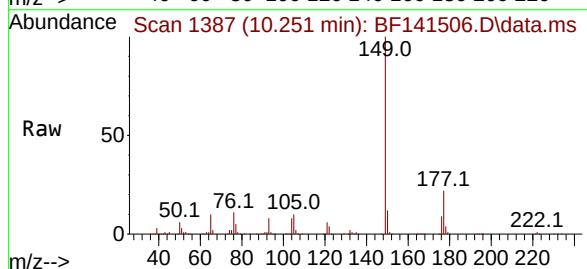
Tgt Ion:232 Resp: 137272
Ion Ratio Lower Upper
232 100
131 46.6 39.2 58.8
130 2.5 2.1 3.1
166 29.7 25.1 37.7

Manual Integrations
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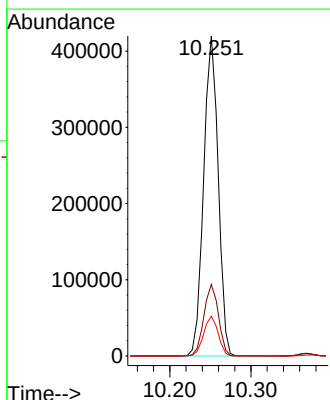
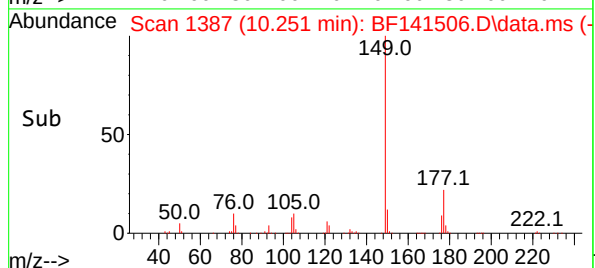
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

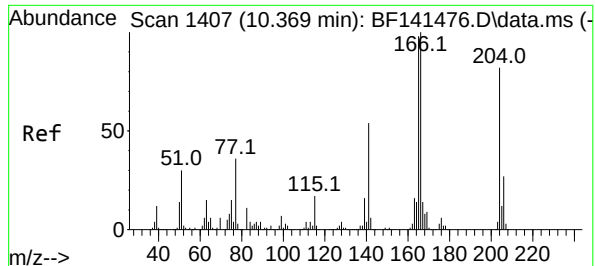


#60
Diethylphthalate
Concen: 39.320 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



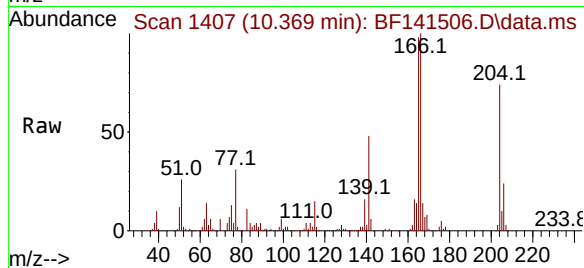
Tgt Ion:149 Resp: 520921
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.6
150 12.5 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 39.371 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

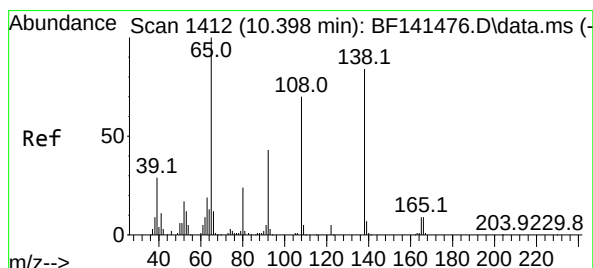
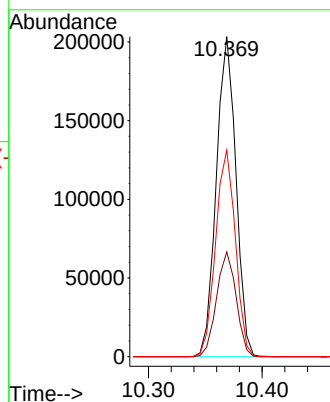
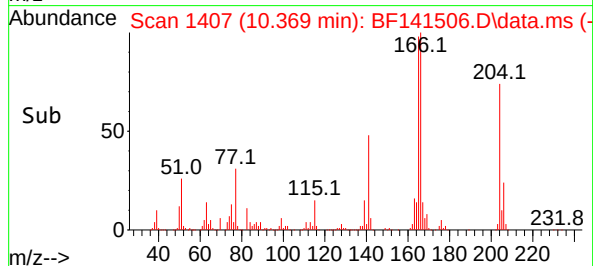
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:204 Resp: 24443
Ion Ratio Lower Upper
204 100
206 32.7 26.6 40.0
141 64.5 51.9 77.9

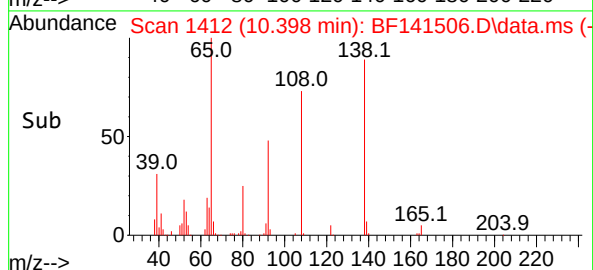
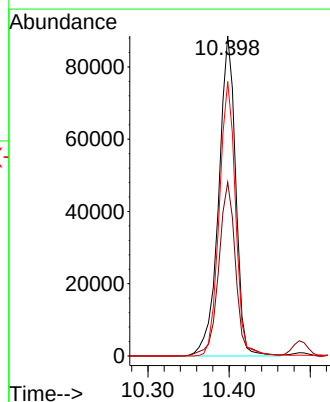
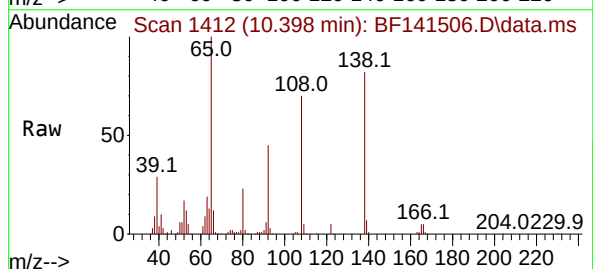
Manual Integrations
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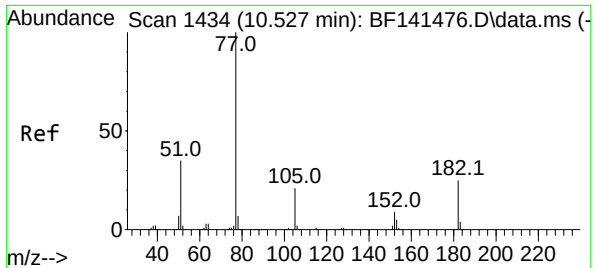
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#62
4-Nitroaniline
Concen: 40.203 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

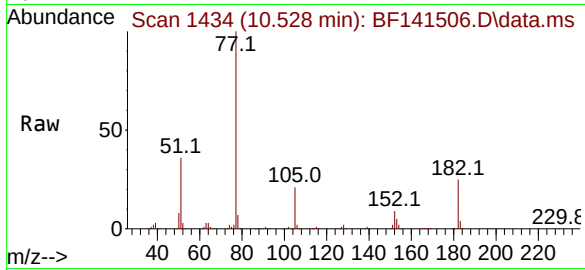
Tgt Ion:138 Resp: 129336
Ion Ratio Lower Upper
138 100
92 54.3 31.3 71.3
108 85.7 63.7 103.7





#63
Azobenzene
Concen: 39.181 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

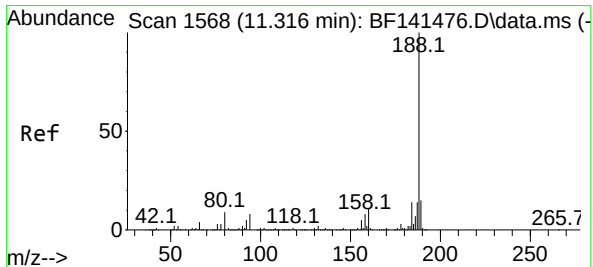
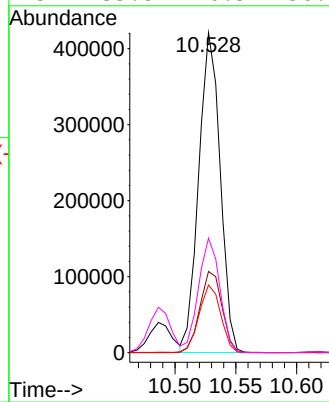
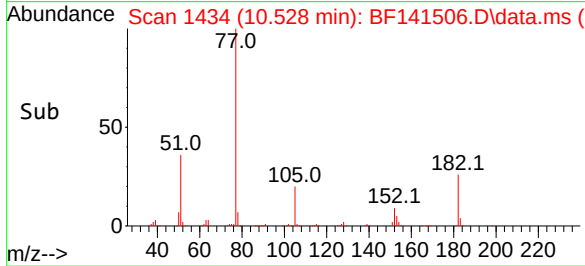
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



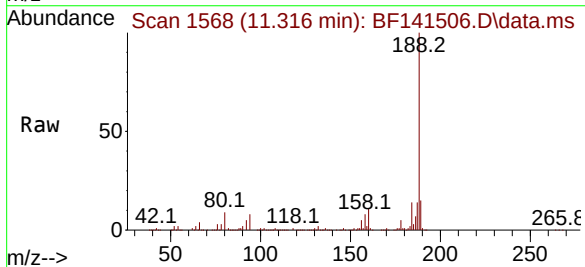
Tgt Ion: 77 Resp: 516030
Ion Ratio Lower Upper
77 100
182 25.4 4.7 44.7
105 21.1 0.4 40.4
51 35.8 16.5 56.5

Manual Integrations
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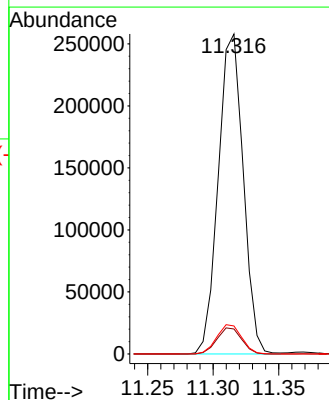
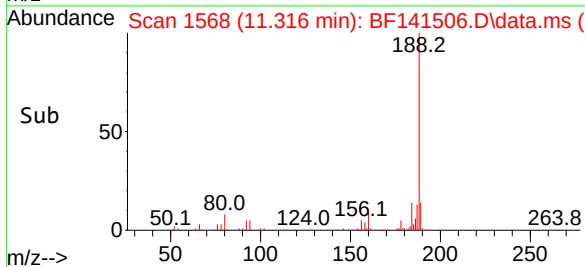
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

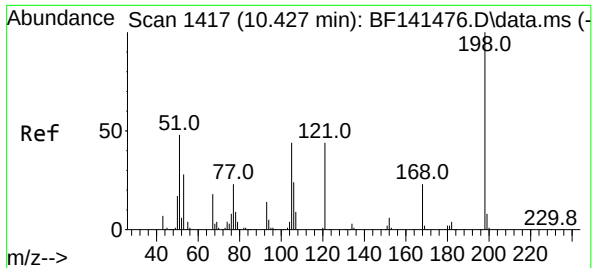


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



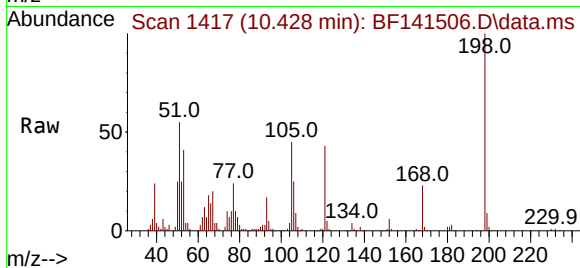
Tgt Ion:188 Resp: 340922
Ion Ratio Lower Upper
188 100
94 7.8 6.6 10.0
80 8.7 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 39.992 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

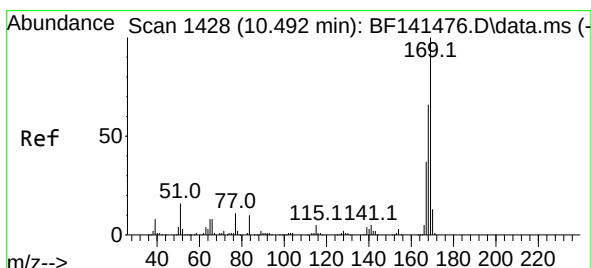
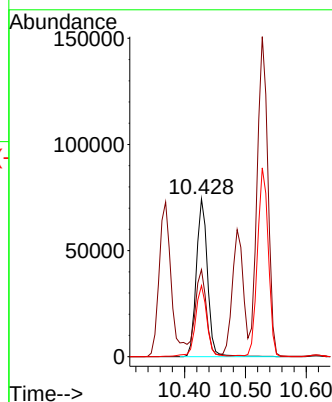
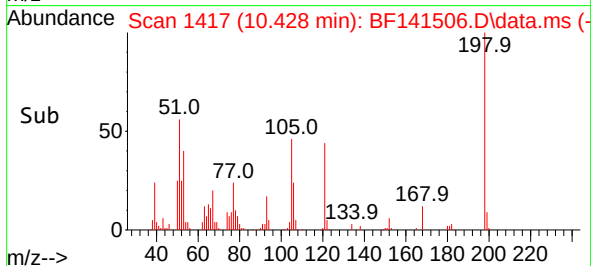
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



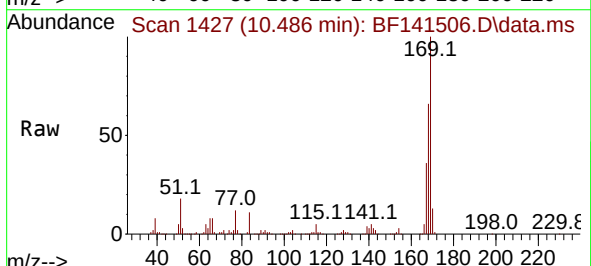
Tgt Ion:198 Resp: 94709
Ion Ratio Lower Upper
198 100
51 55.2 37.4 77.4
105 45.0 25.2 65.2

Manual Integrations
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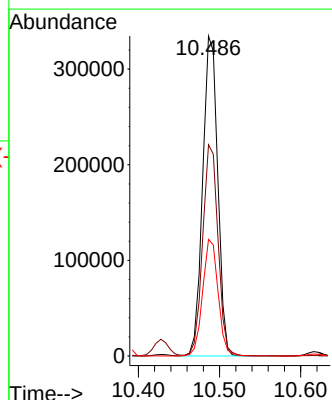
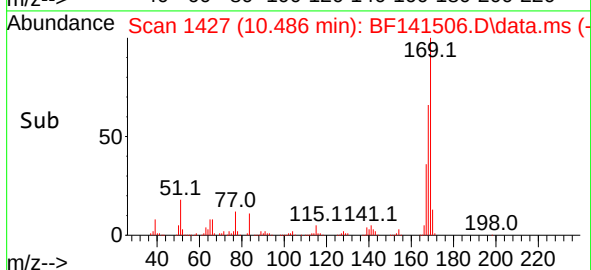
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

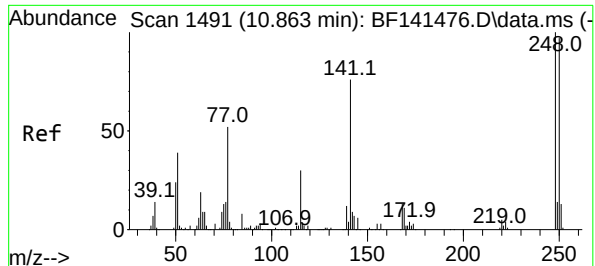


#66
n-Nitrosodiphenylamine
Concen: 39.446 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



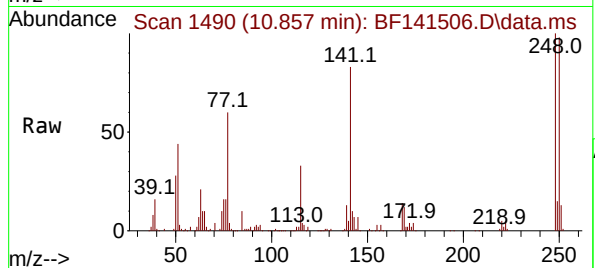
Tgt Ion:169 Resp: 430480
Ion Ratio Lower Upper
169 100
168 66.0 53.3 79.9
167 36.5 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 38.862 ng
RT: 10.857 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

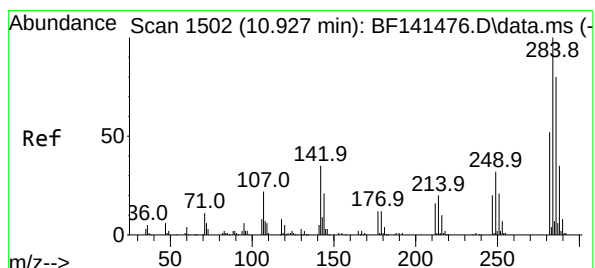
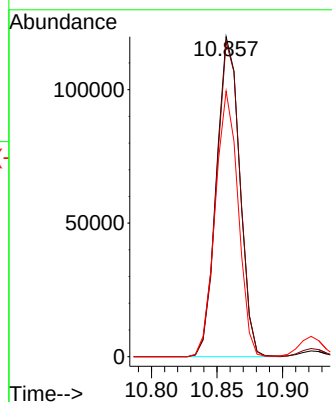
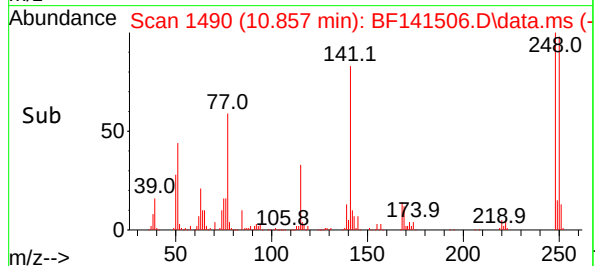
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



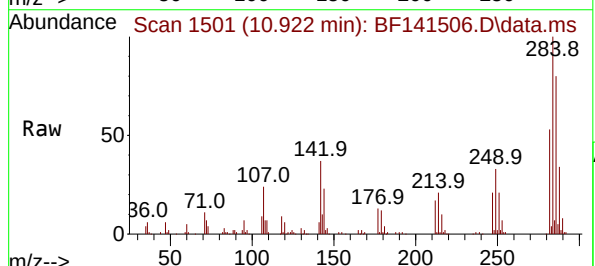
Tgt Ion:248 Resp: 148075
Ion Ratio Lower Upper
248 100
250 98.5 77.8 116.6
141 83.0 60.6 90.8

Manual Integrations
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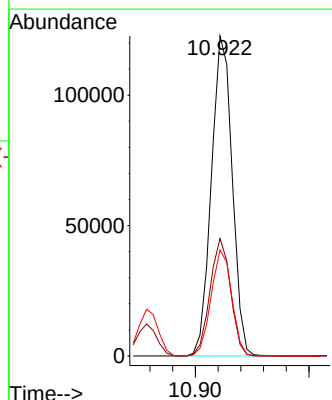
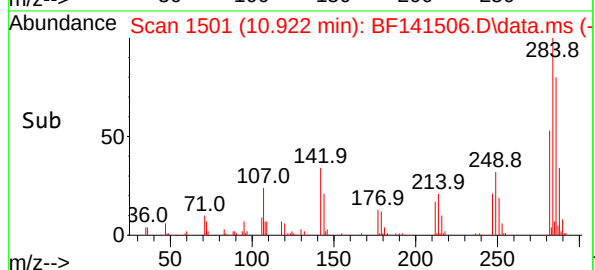
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

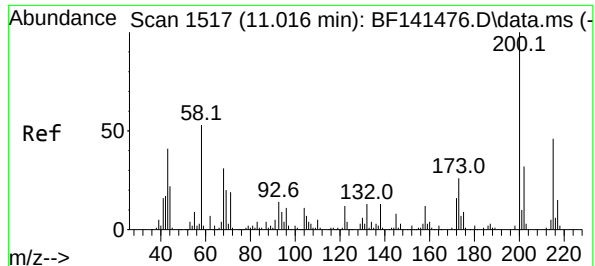


#68
Hexachlorobenzene
Concen: 39.865 ng
RT: 10.922 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:284 Resp: 156412
Ion Ratio Lower Upper
284 100
142 36.7 28.0 42.0
249 33.1 25.8 38.8





#69

Atrazine

Concen: 37.952 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 12425

Ion Ratio Lower Upper

200 100

173 24.7 5.9 45.9

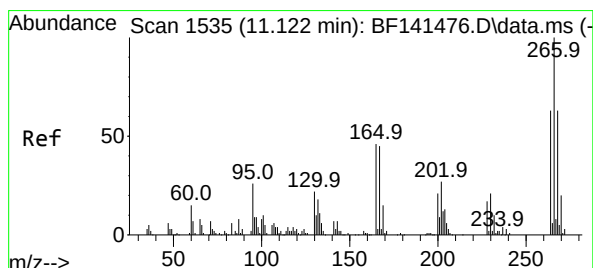
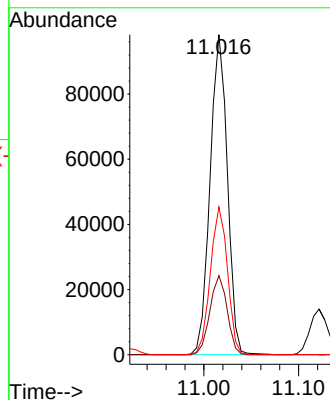
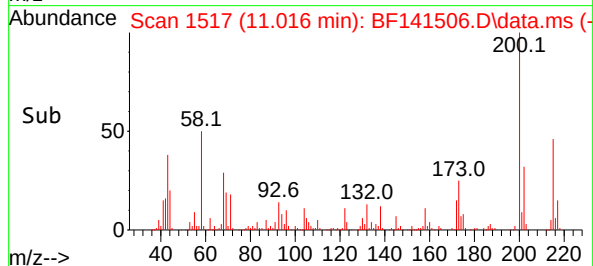
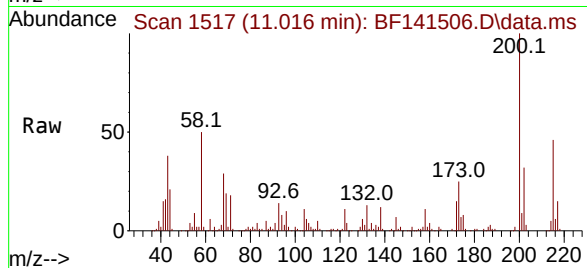
215 46.2 25.9 65.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#70

Pentachlorophenol

Concen: 39.932 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

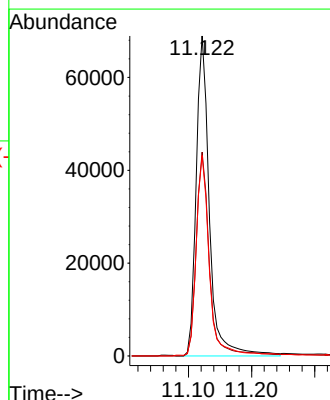
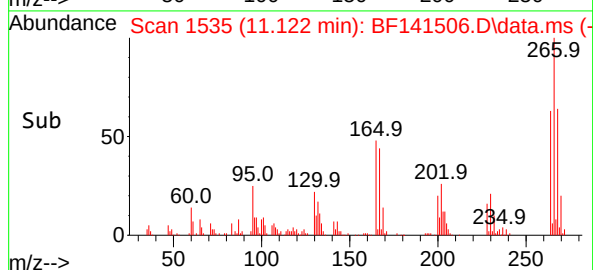
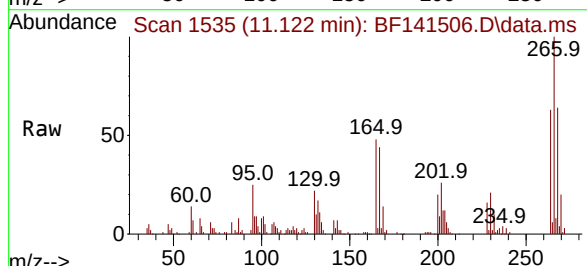
Tgt Ion:266 Resp: 100181

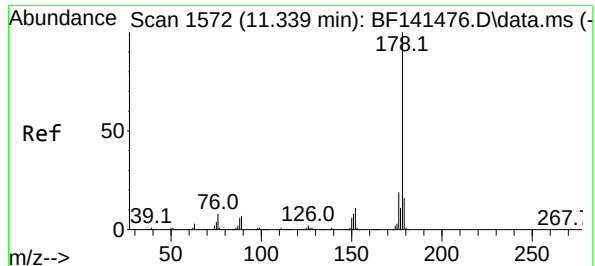
Ion Ratio Lower Upper

266 100

268 63.7 50.1 75.1

264 62.7 50.1 75.1





#71

Phenanthrene

Concen: 39.319 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:178 Resp: 737878

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

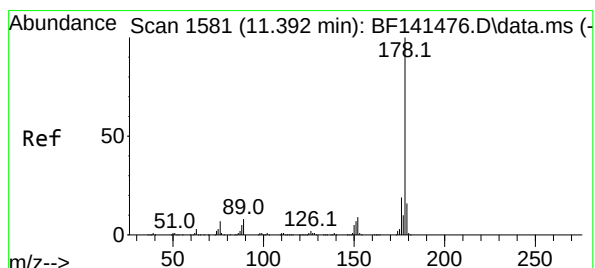
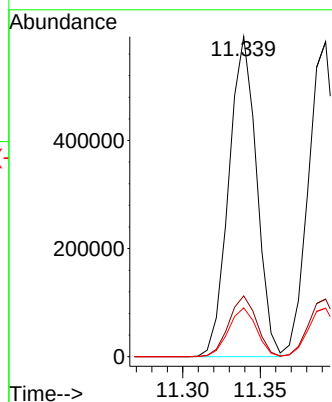
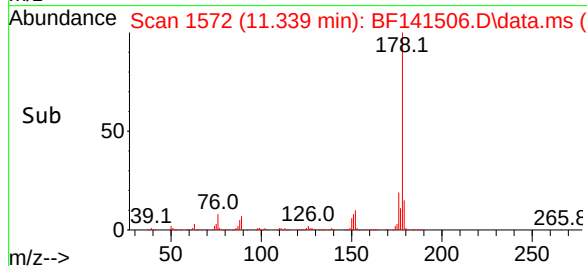
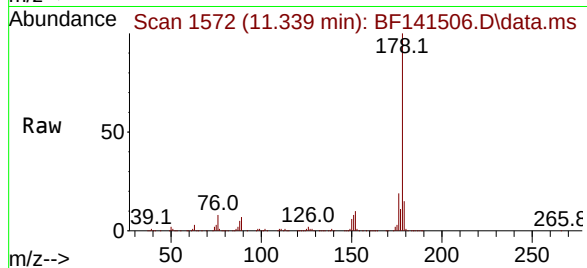
179 15.3 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#72

Anthracene

Concen: 39.564 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

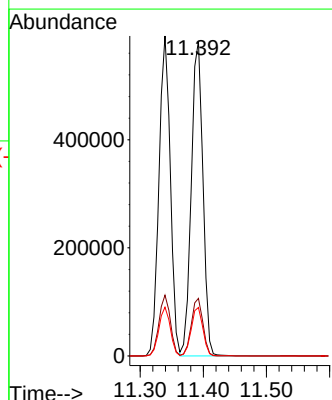
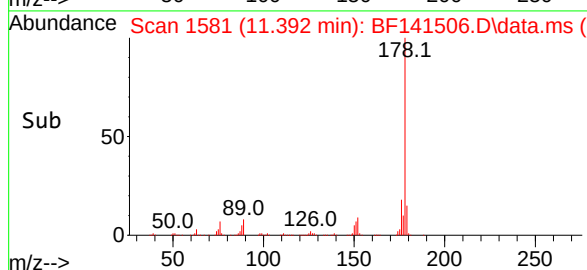
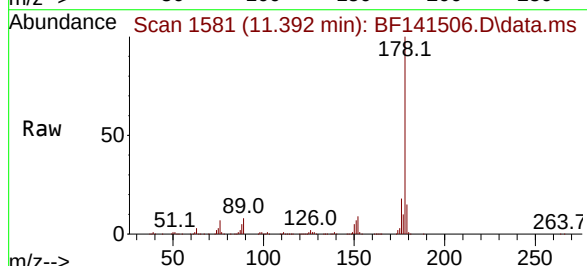
Tgt Ion:178 Resp: 746361

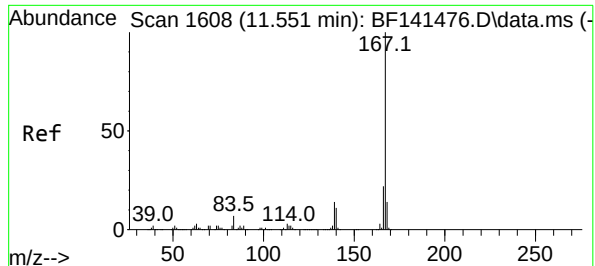
Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

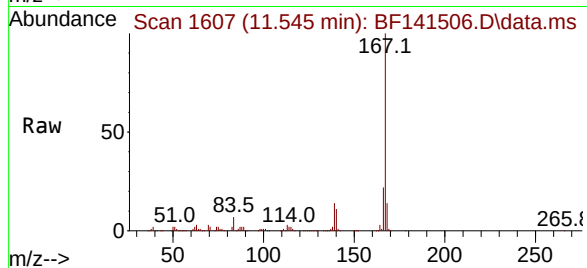
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 40.316 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33

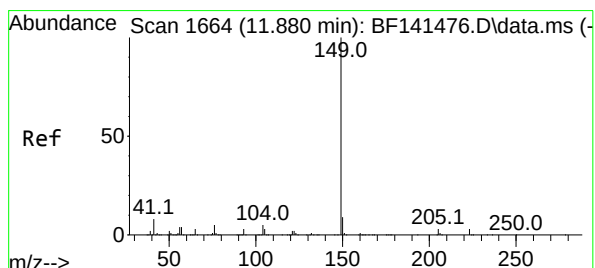
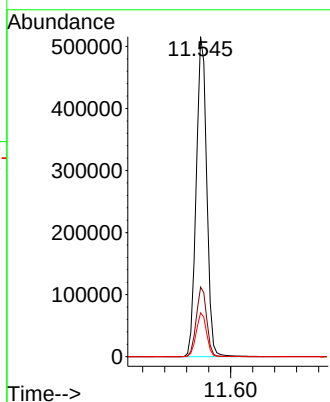
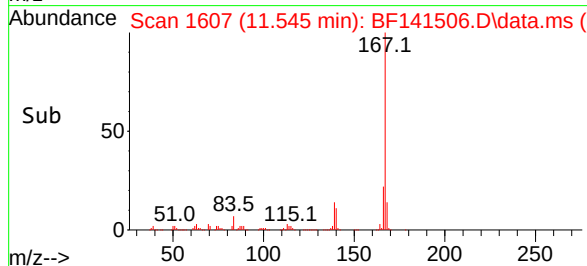
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040



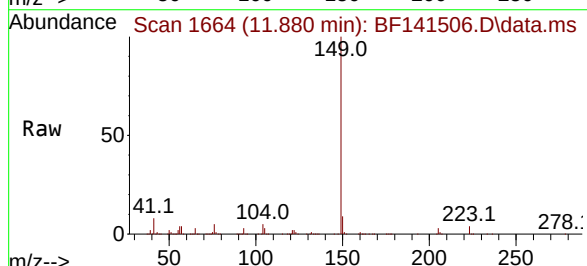
Tgt Ion:167 Resp: 68433
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.7 10.9 16.3

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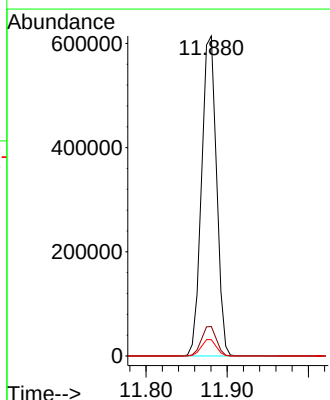
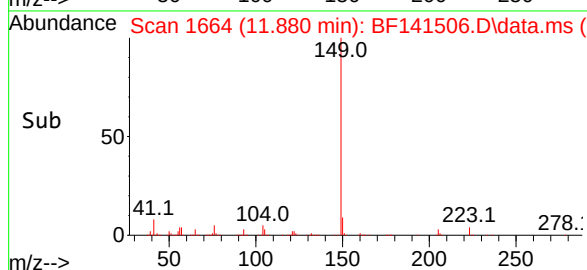
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

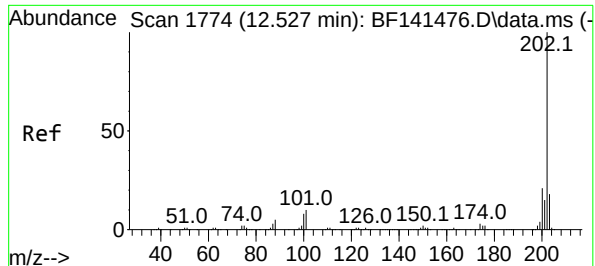


#74
 Di-n-butylphthalate
 Concen: 40.060 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. 0.000 min
 Lab File: BF141506.D
 Acq: 07 Feb 2025 14:33



Tgt Ion:149 Resp: 785155
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.0
 104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 40.018 ng

RT: 12.527 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF141506.D

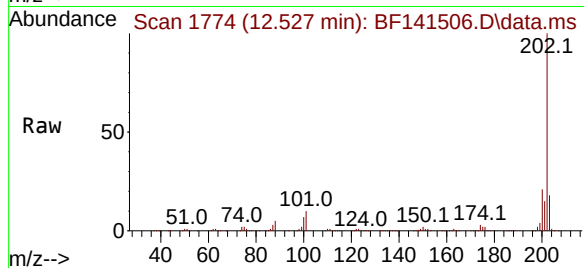
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

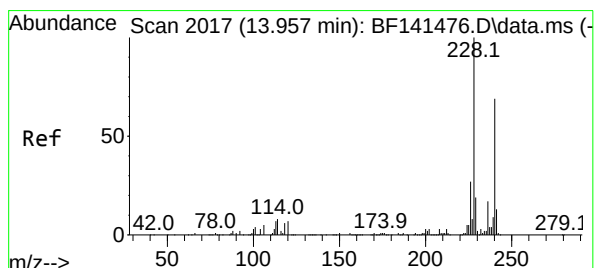
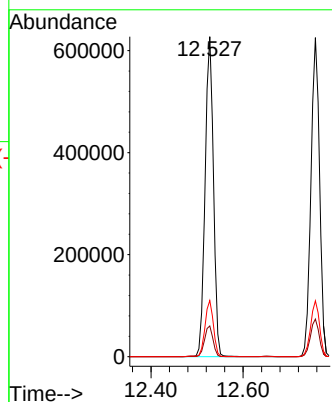
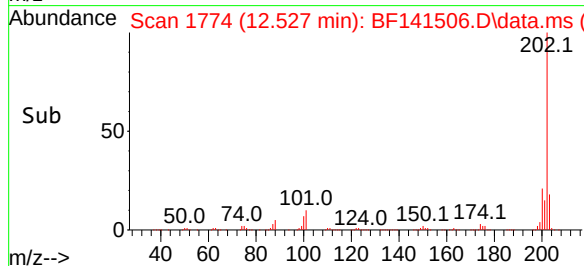


Tgt Ion:	202	Resp:	79620
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.2
203	17.6	0.0	37.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76

Chrysene-d12

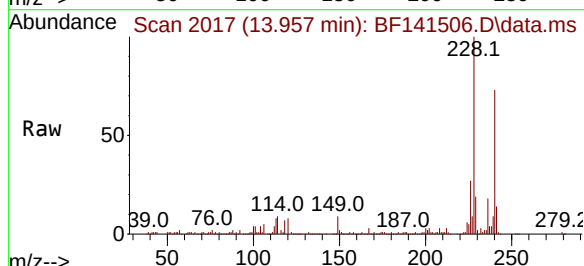
Concen: 20.000 ng

RT: 13.957 min Scan# 2017

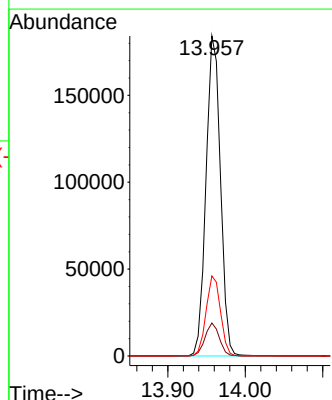
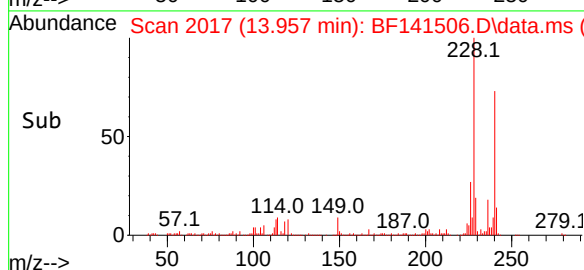
Delta R.T. -0.006 min

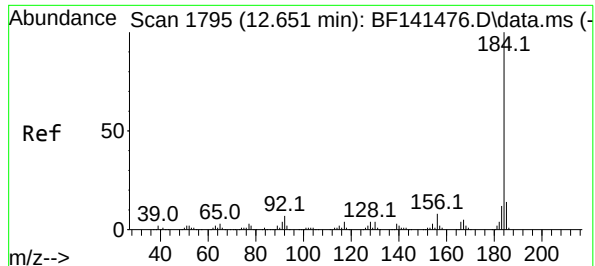
Lab File: BF141506.D

Acq: 07 Feb 2025 14:33



Tgt Ion:	240	Resp:	238177
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.0	12.0
236	25.0	19.8	29.8





#77

Benzidine

Concen: 44.226 ng

RT: 12.651 min Scan# 1795

Delta R.T. -0.006 min

Lab File: BF141506.D

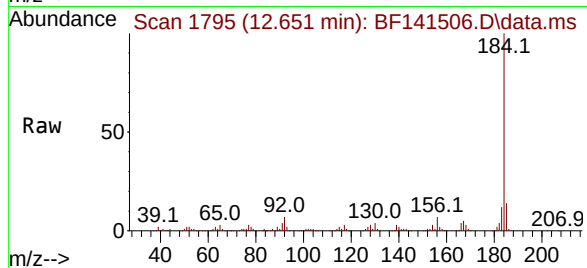
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

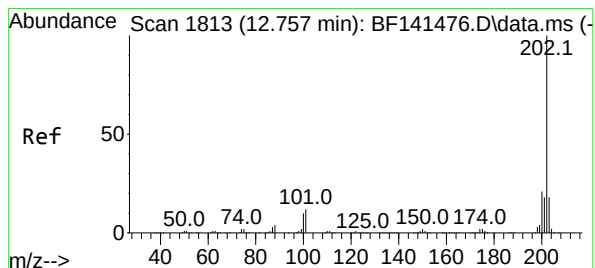
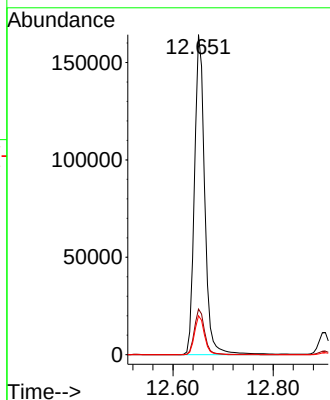


Tgt Ion:184	Resp: 232310
Ion Ratio	Lower Upper
184	100
185	14.3 11.3 16.9
183	12.1 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#78

Pyrene

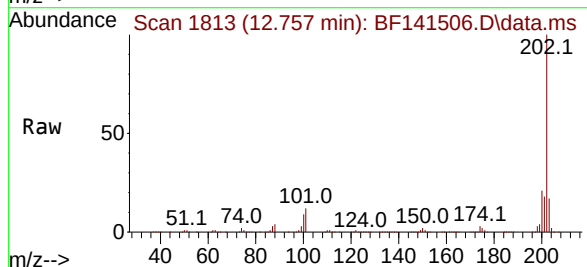
Concen: 39.977 ng

RT: 12.757 min Scan# 1813

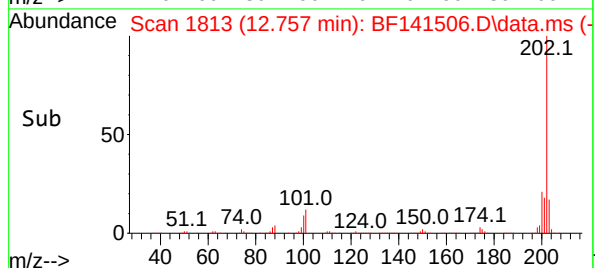
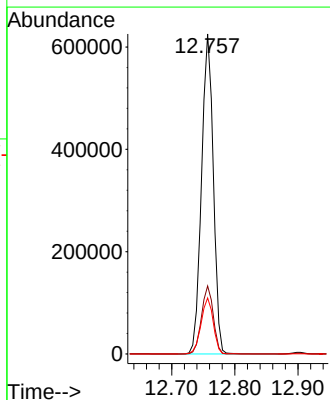
Delta R.T. -0.006 min

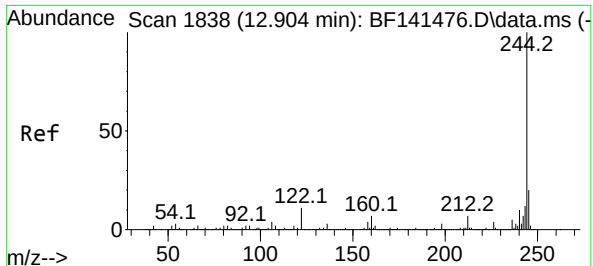
Lab File: BF141506.D

Acq: 07 Feb 2025 14:33



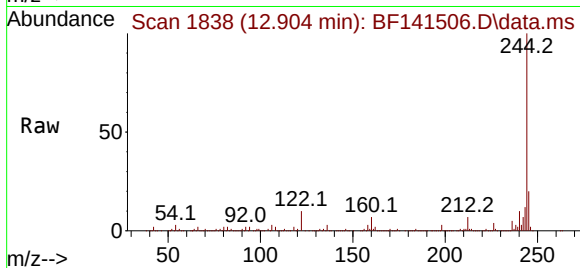
Tgt Ion:202	Resp: 810550
Ion Ratio	Lower Upper
202	100
200	21.3 17.0 25.4
203	17.5 14.3 21.5





#79
Terphenyl-d14
Concen: 79.087 ng
RT: 12.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

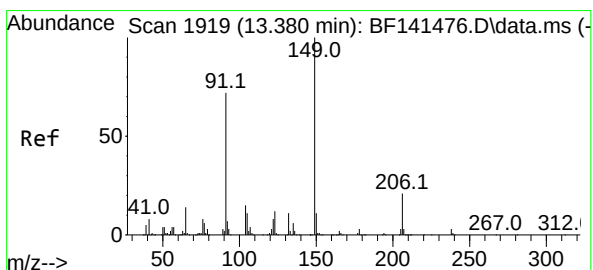
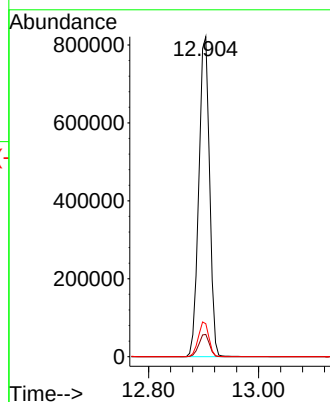
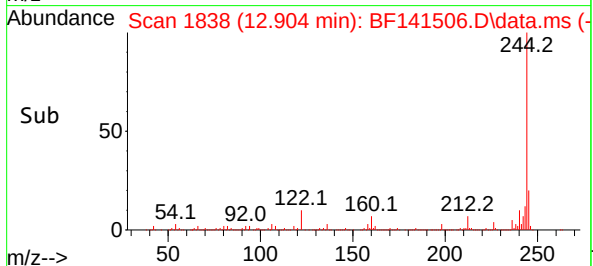
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



Tgt Ion:244 Resp: 1115800
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.3 8.4 12.6

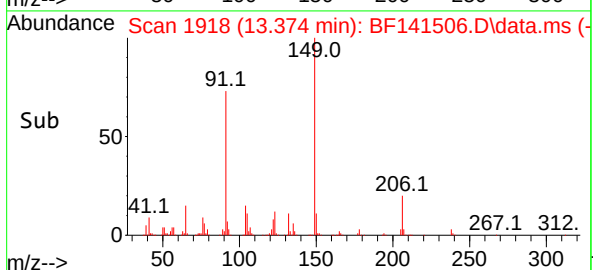
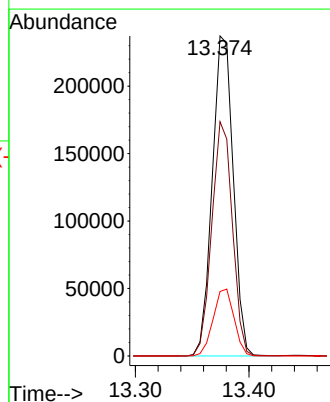
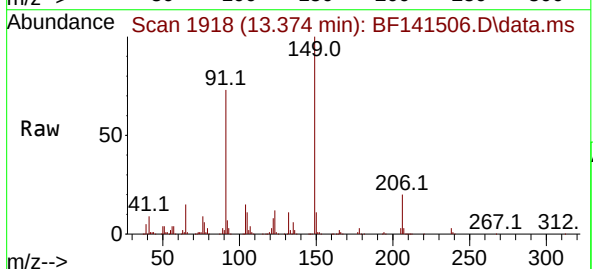
Manual Integrations
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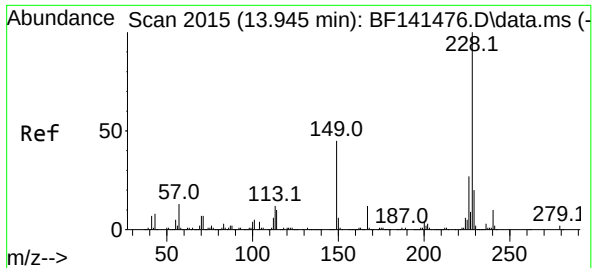
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#80
Butylbenzylphthalate
Concen: 43.443 ng
RT: 13.374 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

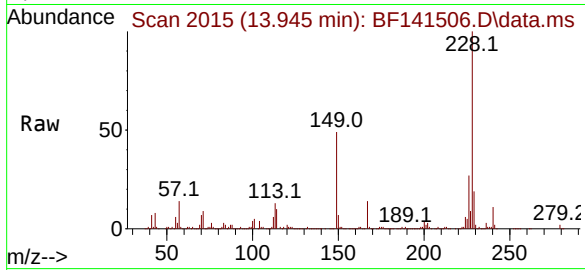
Tgt Ion:149 Resp: 305087
Ion Ratio Lower Upper
149 100
91 73.2 57.8 86.8
206 20.2 16.7 25.1





#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

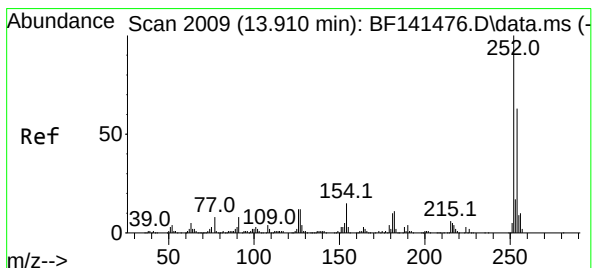
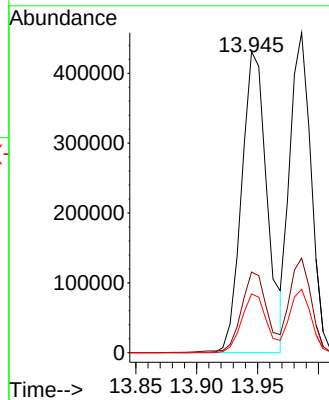
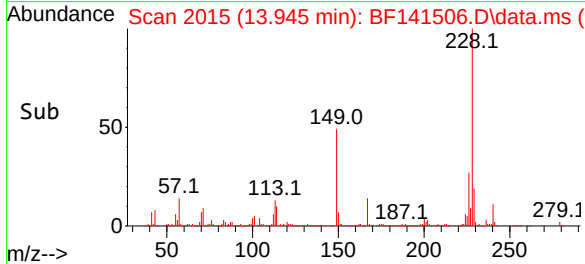
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



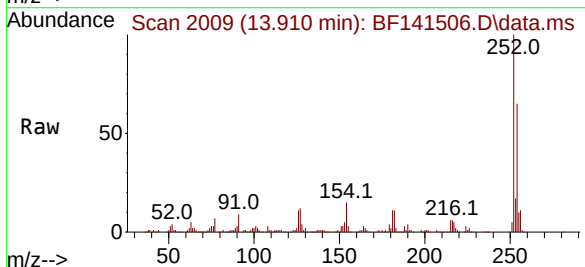
Tgt Ion:228 Resp: 626940
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.5 15.8 23.6

Manual Integrations
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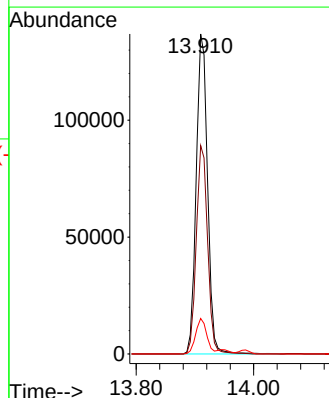
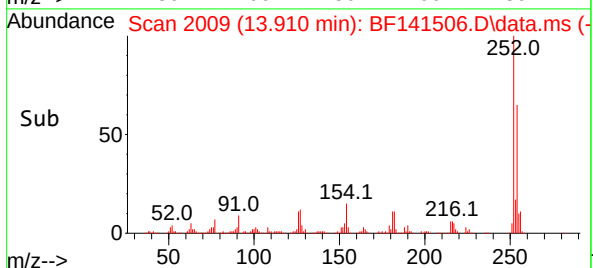
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

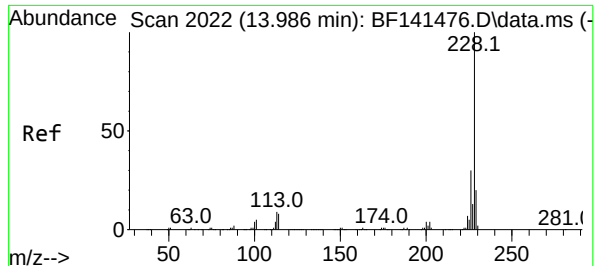


#82
3,3'-Dichlorobenzidine
Concen: 40.414 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:252 Resp: 183288
Ion Ratio Lower Upper
252 100
254 65.1 50.6 76.0
126 11.1 9.3 13.9





#83

Chrysene

Concen: 38.041 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 556110

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

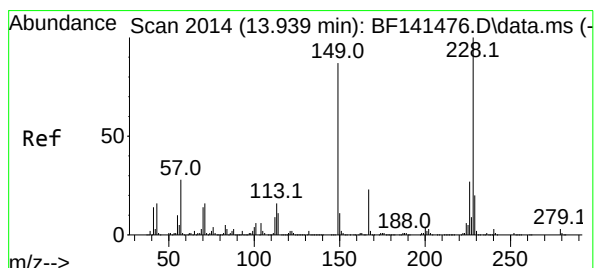
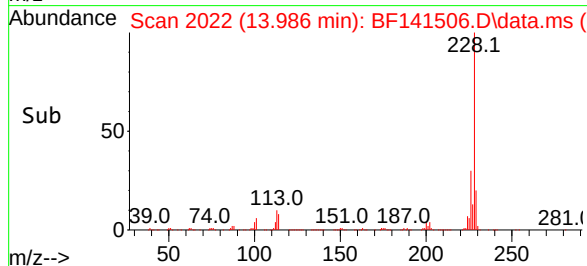
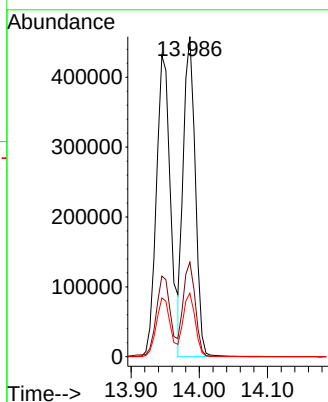
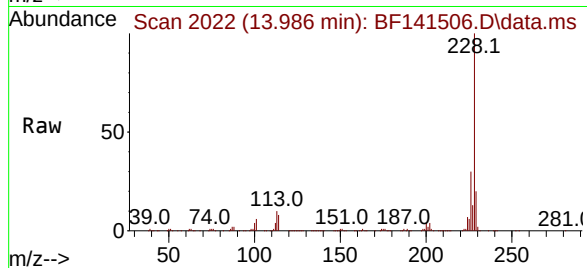
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.626 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

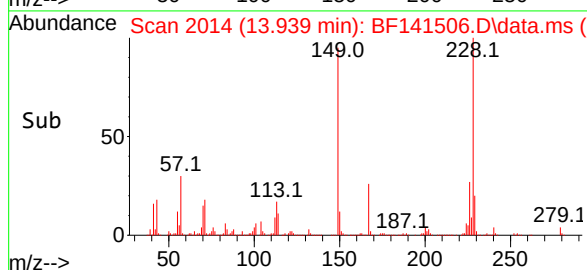
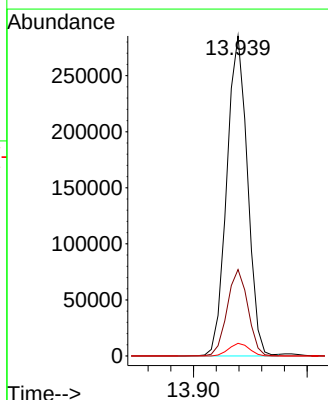
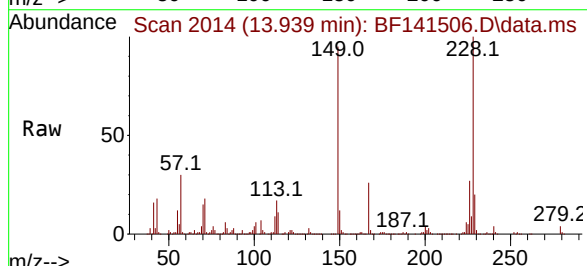
Tgt Ion:149 Resp: 361384

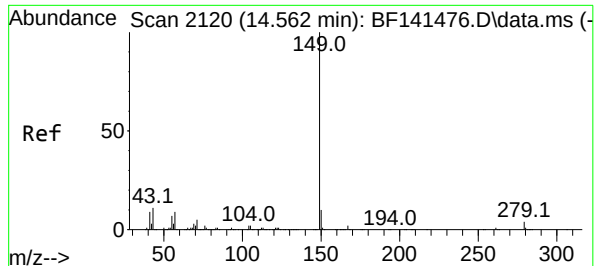
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 3.9 3.1 4.7





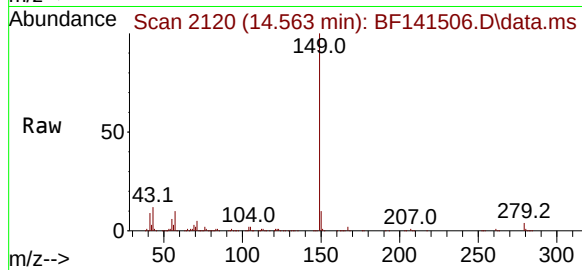
#85
Di-n-octyl phthalate
Concen: 42.871 ng
RT: 14.563 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

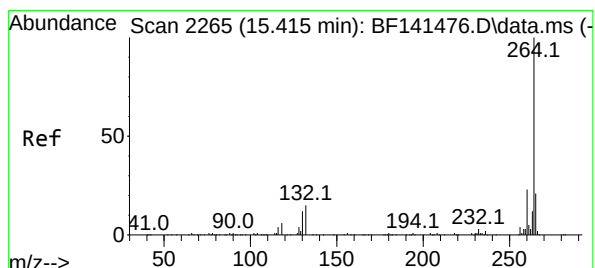
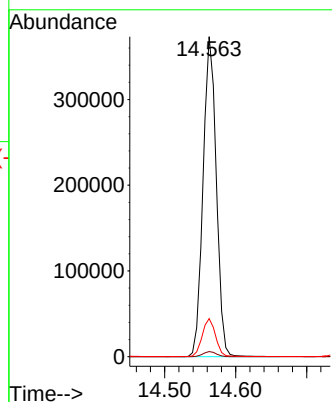
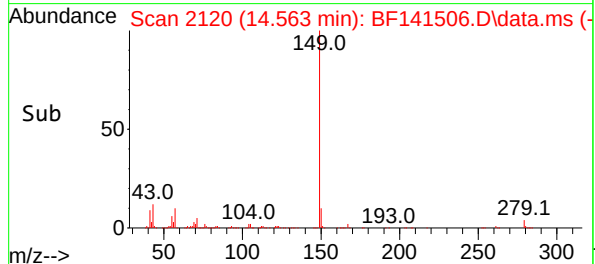


Tgt Ion:149 Resp: 484418
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 9.5 14.3

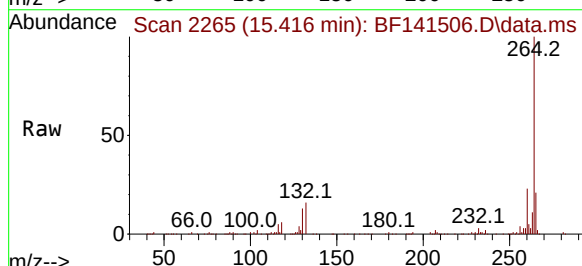
Manual Integrations

APPROVED

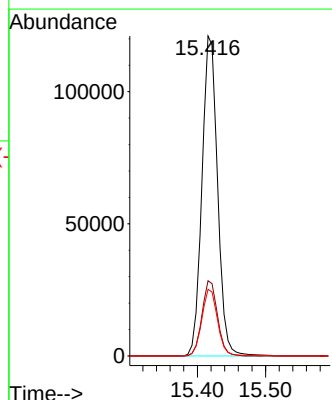
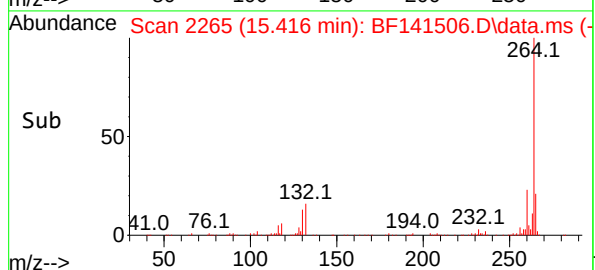
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

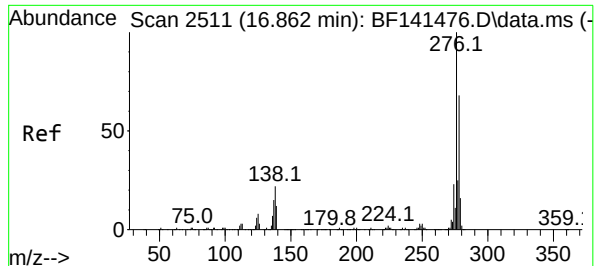


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:264 Resp: 192868
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 20.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.313 ng

RT: 16.862 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 480414

Ion Ratio Lower Upper

276 100

138 22.9 18.0 27.0

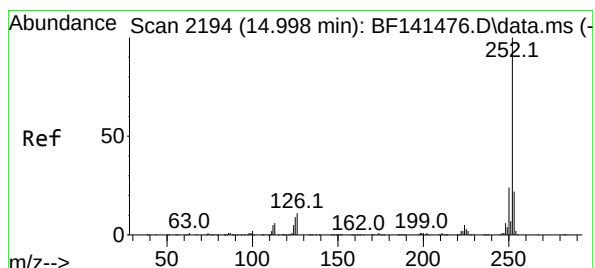
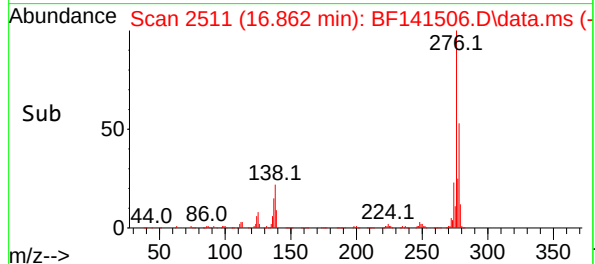
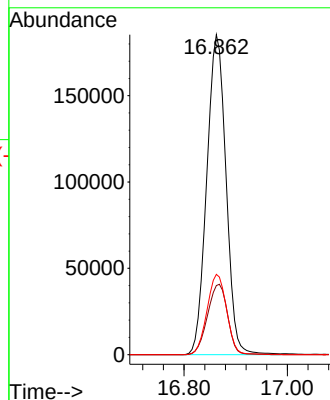
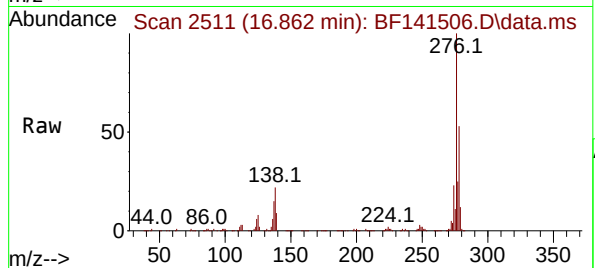
277 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 42.468 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

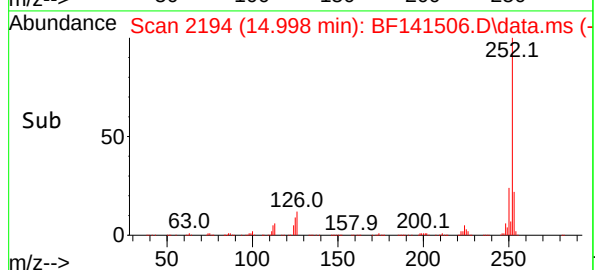
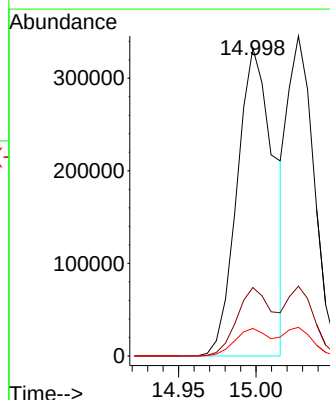
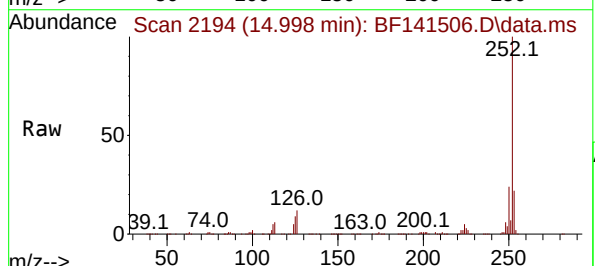
Tgt Ion:252 Resp: 549964

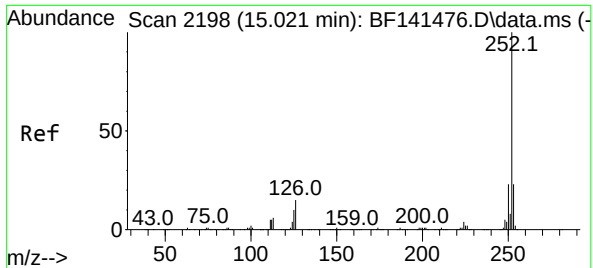
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 37.333 ng

RT: 15.027 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 412835

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

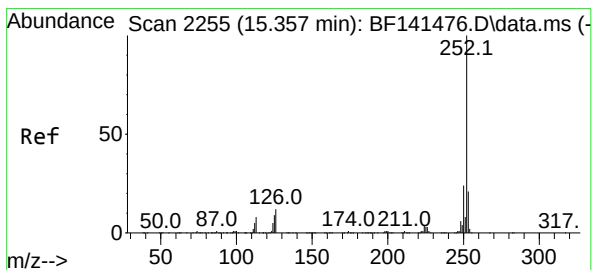
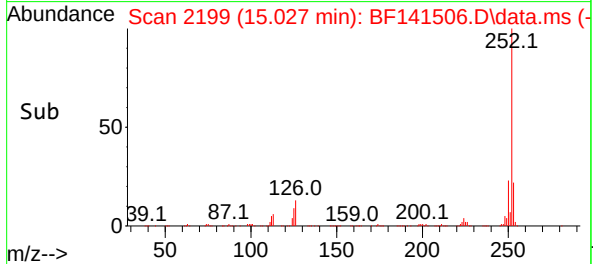
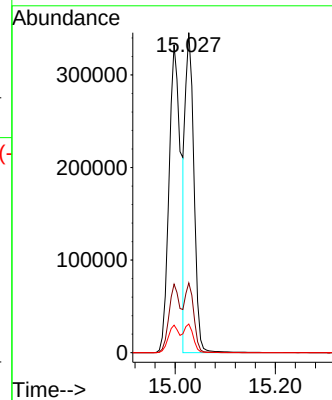
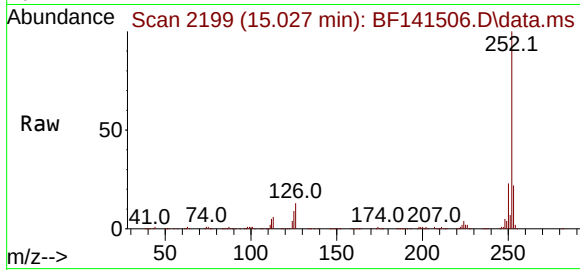
125 9.0 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#90

Benzo(a)pyrene

Concen: 40.121 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141506.D

Acq: 07 Feb 2025 14:33

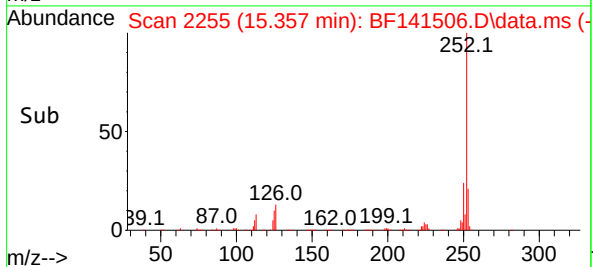
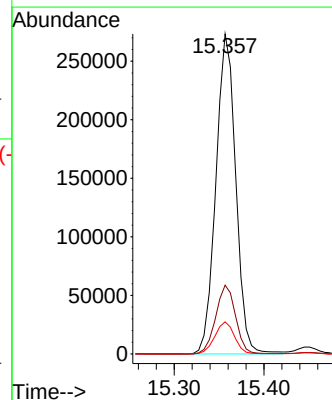
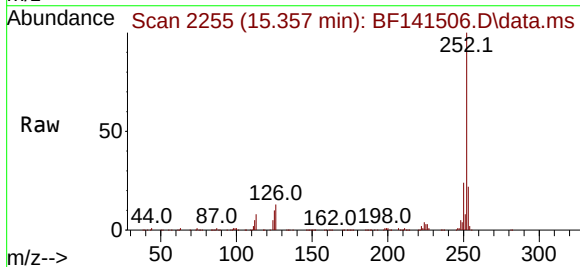
Tgt Ion:252 Resp: 420423

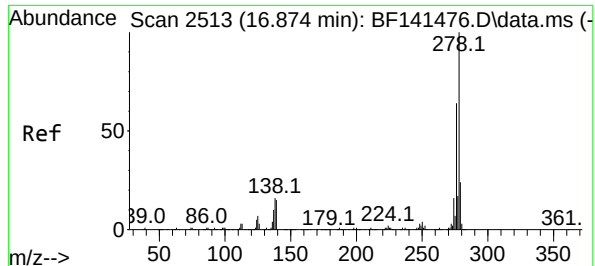
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 10.1 7.4 11.2





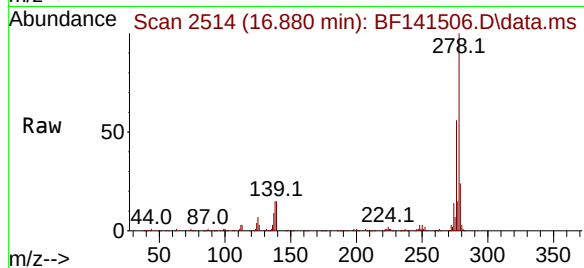
#91
Dibenzo(a,h)anthracene
Concen: 40.397 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

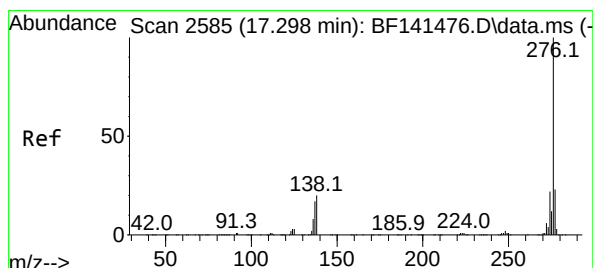
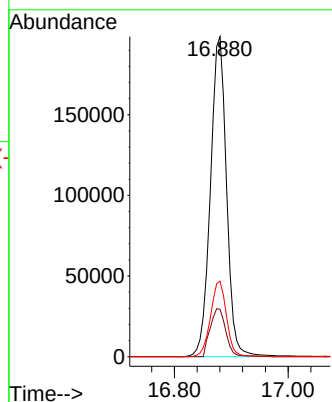
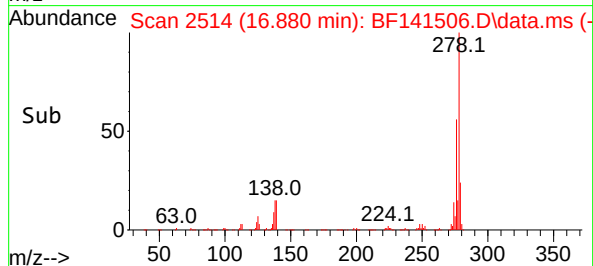


Tgt Ion:278 Resp: 390089
Ion Ratio Lower Upper
278 100
139 14.8 11.8 17.6
279 23.6 19.1 28.7

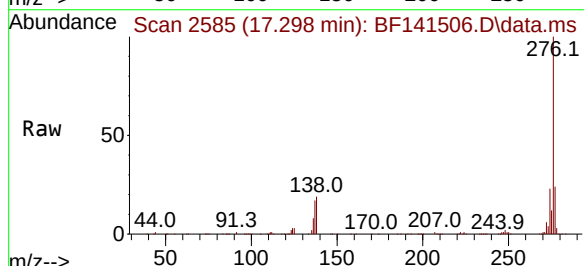
Manual Integrations

APPROVED

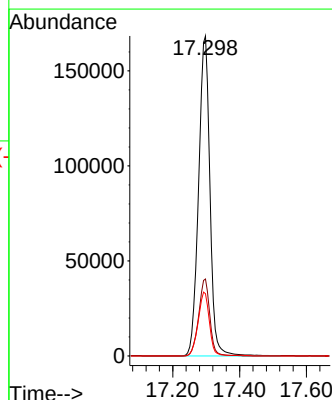
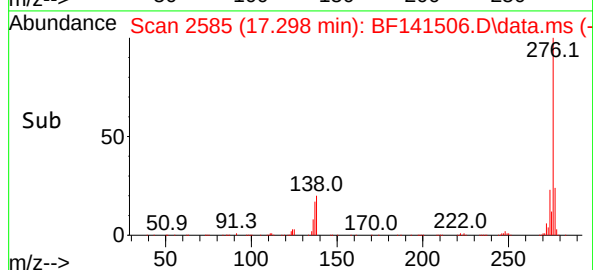
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 39.245 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.017 min
Lab File: BF141506.D
Acq: 07 Feb 2025 14:33



Tgt Ion:276 Resp: 396572
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 19.5 15.9 23.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	1,4-Dioxane	0.513	0.512	0.2	102	0.00
3	Pyridine	1.222	1.278	-4.6	104	-0.02
4	n-Nitrosodimethylamine	0.809	0.799	1.2	101	-0.03
5 S	2-Fluorophenol	1.276	1.294	-1.4	104	0.00
6	Aniline	1.513	1.505	0.5	101	-0.01
7 S	Phenol-d6	1.612	1.599	0.8	102	-0.01
8	2-Chlorophenol	1.378	1.383	-0.4	103	-0.01
9	Benzaldehyde	0.857	0.844	1.5	106	0.00
10 C	Phenol	1.678	1.676	0.1	103	-0.01
11	bis(2-Chloroethyl)ether	1.261	1.237	1.9	101	0.00
12	1,3-Dichlorobenzene	1.455	1.445	0.7	103	0.00
13 C	1,4-Dichlorobenzene	1.487	1.444	2.9	101	0.00
14	1,2-Dichlorobenzene	1.380	1.372	0.6	103	0.00
15	Benzyl Alcohol	1.236	1.208	2.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	2.158	2.121	1.7	101	0.00
17	2-Methylphenol	1.079	1.064	1.4	102	0.00
18	Hexachloroethane	0.550	0.545	0.9	102	0.00
19 P	n-Nitroso-di-n-propylamine	0.964	0.978	-1.5	104	-0.01
20	3+4-Methylphenols	1.371	1.329	3.1	100	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	Acetophenone	0.498	0.489	1.8	102	-0.01
23 S	Nitrobenzene-d5	0.383	0.384	-0.3	102	0.00
24	Nitrobenzene	0.374	0.372	0.5	102	0.00
25	Isophorone	0.611	0.607	0.7	102	-0.01
26 C	2-Nitrophenol	0.186	0.191	-2.7	102	0.00
27	2,4-Dimethylphenol	0.217	0.219	-0.9	101	0.00
28	bis(2-Chloroethoxy)methane	0.392	0.396	-1.0	103	0.00
29 C	2,4-Dichlorophenol	0.294	0.296	-0.7	102	0.00
30	1,2,4-Trichlorobenzene	0.320	0.319	0.3	103	0.00
31	Naphthalene	1.041	1.040	0.1	103	0.00
32	Benzoic acid	0.226	0.226	0.0	101	-0.04
33	4-Chloroaniline	0.363	0.327	9.9	92	-0.01
34 C	Hexachlorobutadiene	0.192	0.191	0.5	102	0.00
35	Caprolactam	0.089	0.093	-4.5	103	-0.03
36 C	4-Chloro-3-methylphenol	0.325	0.326	-0.3	102	0.00
37	2-Methylnaphthalene	0.677	0.668	1.3	102	0.00
38	1-Methylnaphthalene	0.656	0.647	1.4	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.579	0.571	1.4	100	0.00
41 P	Hexachlorocyclopentadiene	0.192	0.193	-0.5	97	0.00
42 S	2,4,6-Tribromophenol	0.201	0.200	0.5	102	-0.01
43 C	2,4,6-Trichlorophenol	0.374	0.368	1.6	100	0.00
44	2,4,5-Trichlorophenol	0.405	0.399	1.5	100	0.00
45 S	2-Fluorobiphenyl	1.298	1.268	2.3	103	0.00
46	1,1'-Biphenyl	1.551	1.528	1.5	101	0.00
47	2-Chloronaphthalene	1.147	1.132	1.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 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	0.385	0.385	0.0	101	0.00
49	Acenaphthylene	1.705	1.697	0.5	103	0.00
50	Dimethylphthalate	1.358	1.338	1.5	102	-0.01
51	2,6-Dinitrotoluene	0.297	0.295	0.7	100	0.00
52 C	Acenaphthene	1.147	1.116	2.7	99	0.00
53	3-Nitroaniline	0.319	0.315	1.3	101	0.00
54 P	2,4-Dinitrophenol	0.176	0.169	4.0	98	-0.01
55	Dibenzofuran	1.683	1.655	1.7	101	0.00
56 P	4-Nitrophenol	0.237	0.240	-1.3	99	-0.01
57	2,4-Dinitrotoluene	0.395	0.400	-1.3	103	-0.01
58	Fluorene	1.301	1.278	1.8	102	0.00
59	2,3,4,6-Tetrachlorophenol	0.349	0.346	0.9	102	-0.01
60	Diethylphthalate	1.336	1.313	1.7	101	0.00
61	4-Chlorophenyl-phenylether	0.626	0.616	1.6	102	0.00
62	4-Nitroaniline	0.324	0.326	-0.6	100	-0.02
63	Azobenzene	1.328	1.301	2.0	101	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	0.139	0.139	0.0	99	-0.01
66 c	n-Nitrosodiphenylamine	0.640	0.631	1.4	102	-0.01
67	4-Bromophenyl-phenylether	0.224	0.217	3.1	100	0.00
68	Hexachlorobenzene	0.230	0.229	0.4	102	0.00
69	Atrazine	0.192	0.182	5.2	100	0.00
70 C	Pentachlorophenol	0.147	0.147	0.0	97	0.00
71	Phenanthrene	1.101	1.082	1.7	101	0.00
72	Anthracene	1.107	1.095	1.1	102	0.00
73	Carbazole	0.996	1.004	-0.8	103	0.00
74	Di-n-butylphthalate	1.150	1.152	-0.2	102	0.00
75 C	Fluoranthene	1.167	1.168	-0.1	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	106	0.00
77	Benzidine	0.441	0.488	-10.7	98	0.00
78	Pyrene	1.703	1.702	0.1	103	0.00
79 S	Terphenyl-d14	1.185	1.171	1.2	103	0.00
80	Butylbenzylphthalate	0.590	0.640	-8.5	111	0.00
81	Benzo(a)anthracene	1.329	1.316	1.0	103	0.00
82	3,3'-Dichlorobenzidine	0.381	0.385	-1.0	108	0.00
83	Chrysene	1.228	1.167	5.0	103	0.00
84	Bis(2-ethylhexyl)phthalate	0.665	0.759	-14.1	116	0.00
85 c	Di-n-octyl phthalate	0.949	1.017	-7.2	111	0.00
86 I	Perylene-d12	1.000	1.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	1.236	1.245	-0.7	102	-0.01
88	Benzo(b)fluoranthene	1.343	1.426	-6.2	113	0.00
89	Benzo(k)fluoranthene	1.147	1.070	6.7	99	0.00
90 C	Benzo(a)pyrene	1.087	1.090	-0.3	106	0.00
91	Dibenzo(a,h)anthracene	1.001	1.011	-1.0	101	-0.01
92	Benzo(g,h,i)perylene	1.048	1.028	1.9	99	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 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\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	103	0.00
2	1,4-Dioxane	40.000	39.852	0.4	102	0.00
3	Pyridine	40.000	41.842	-4.6	104	-0.02
4	n-Nitrosodimethylamine	40.000	39.505	1.2	101	-0.03
5 S	2-Fluorophenol	80.000	81.160	-1.4	104	0.00
6	Aniline	40.000	39.807	0.5	101	-0.01
7 S	Phenol-d6	80.000	79.333	0.8	102	-0.01
8	2-Chlorophenol	40.000	40.121	-0.3	103	-0.01
9	Benzaldehyde	40.000	39.396	1.5	106	0.00
10 C	Phenol	40.000	39.942	0.1	103	-0.01
11	bis(2-Chloroethyl)ether	40.000	39.239	1.9	101	0.00
12	1,3-Dichlorobenzene	40.000	39.713	0.7	103	0.00
13 C	1,4-Dichlorobenzene	40.000	38.847	2.9	101	0.00
14	1,2-Dichlorobenzene	40.000	39.770	0.6	103	0.00
15	Benzyl Alcohol	40.000	39.069	2.3	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.320	1.7	101	0.00
17	2-Methylphenol	40.000	39.445	1.4	102	0.00
18	Hexachloroethane	40.000	39.613	1.0	102	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.556	-1.4	104	-0.01
20	3+4-Methylphenols	40.000	38.777	3.1	100	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22	Acetophenone	40.000	39.294	1.8	102	-0.01
23 S	Nitrobenzene-d5	80.000	80.140	-0.2	102	0.00
24	Nitrobenzene	40.000	39.825	0.4	102	0.00
25	Isophorone	40.000	39.733	0.7	102	-0.01
26 C	2-Nitrophenol	40.000	41.014	-2.5	102	0.00
27	2,4-Dimethylphenol	40.000	40.362	-0.9	101	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.398	-1.0	103	0.00
29 C	2,4-Dichlorophenol	40.000	40.337	-0.8	102	0.00
30	1,2,4-Trichlorobenzene	40.000	39.869	0.3	103	0.00
31	Naphthalene	40.000	39.968	0.1	103	0.00
32	Benzoic acid	40.000	40.092	-0.2	101	-0.04
33	4-Chloroaniline	40.000	35.960	10.1	92	-0.01
34 C	Hexachlorobutadiene	40.000	39.845	0.4	102	0.00
35	Caprolactam	40.000	41.746	-4.4	103	-0.03
36 C	4-Chloro-3-methylphenol	40.000	40.105	-0.3	102	0.00
37	2-Methylnaphthalene	40.000	39.430	1.4	102	0.00
38	1-Methylnaphthalene	40.000	39.416	1.5	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.480	1.3	100	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.055	-0.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	79.512	0.6	102	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.310	1.7	100	0.00
44	2,4,5-Trichlorophenol	40.000	39.352	1.6	100	0.00
45 S	2-Fluorobiphenyl	80.000	78.150	2.3	103	0.00
46	1,1'-Biphenyl	40.000	39.417	1.5	101	0.00
47	2-Chloronaphthalene	40.000	39.485	1.3	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141506.D
 Acq On : 07 Feb 2025 14:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.054	-0.1	101	0.00
49	Acenaphthylene	40.000	39.800	0.5	103	0.00
50	Dimethylphthalate	40.000	39.426	1.4	102	-0.01
51	2,6-Dinitrotoluene	40.000	39.701	0.7	100	0.00
52 C	Acenaphthene	40.000	38.936	2.7	99	0.00
53	3-Nitroaniline	40.000	39.406	1.5	101	0.00
54 P	2,4-Dinitrophenol	40.000	38.328	4.2	98	-0.01
55	Dibenzofuran	40.000	39.347	1.6	101	0.00
56 P	4-Nitrophenol	40.000	40.524	-1.3	99	-0.01
57	2,4-Dinitrotoluene	40.000	40.483	-1.2	103	-0.01
58	Fluorene	40.000	39.298	1.8	102	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.668	0.8	102	-0.01
60	Diethylphthalate	40.000	39.320	1.7	101	0.00
61	4-Chlorophenyl-phenylether	40.000	39.371	1.6	102	0.00
62	4-Nitroaniline	40.000	40.203	-0.5	100	-0.02
63	Azobenzene	40.000	39.181	2.0	101	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	40.000	39.992	0.0	99	-0.01
66 c	n-Nitrosodiphenylamine	40.000	39.446	1.4	102	-0.01
67	4-Bromophenyl-phenylether	40.000	38.862	2.8	100	0.00
68	Hexachlorobenzene	40.000	39.865	0.3	102	0.00
69	Atrazine	40.000	37.952	5.1	100	0.00
70 C	Pentachlorophenol	40.000	39.932	0.2	97	0.00
71	Phenanthrene	40.000	39.319	1.7	101	0.00
72	Anthracene	40.000	39.564	1.1	102	0.00
73	Carbazole	40.000	40.316	-0.8	103	0.00
74	Di-n-butylphthalate	40.000	40.060	-0.2	102	0.00
75 C	Fluoranthene	40.000	40.018	-0.0	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	106	0.00
77	Benzydine	40.000	44.226	-10.6	98	0.00
78	Pyrene	40.000	39.977	0.1	103	0.00
79 S	Terphenyl-d14	80.000	79.087	1.1	103	0.00
80	Butylbenzylphthalate	40.000	43.443	-8.6	111	0.00
81	Benzo(a)anthracene	40.000	39.598	1.0	103	0.00
82	3,3'-Dichlorobenzidine	40.000	40.414	-1.0	108	0.00
83	Chrysene	40.000	38.041	4.9	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.626	-14.1	116	0.00
85 c	Di-n-octyl phthalate	40.000	42.871	-7.2	111	0.00
86 I	Perylene-d12	20.000	20.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	40.313	-0.8	102	-0.01
88	Benzo(b)fluoranthene	40.000	42.468	-6.2	113	0.00
89	Benzo(k)fluoranthene	40.000	37.333	6.7	99	0.00
90 C	Benzo(a)pyrene	40.000	40.121	-0.3	106	0.00
91	Dibenzo(a,h)anthracene	40.000	40.397	-1.0	101	-0.01
92	Benzo(g,h,i)perylene	40.000	39.245	1.9	99	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141506.D
Acq On : 07 Feb 2025 14:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 07 15:09:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



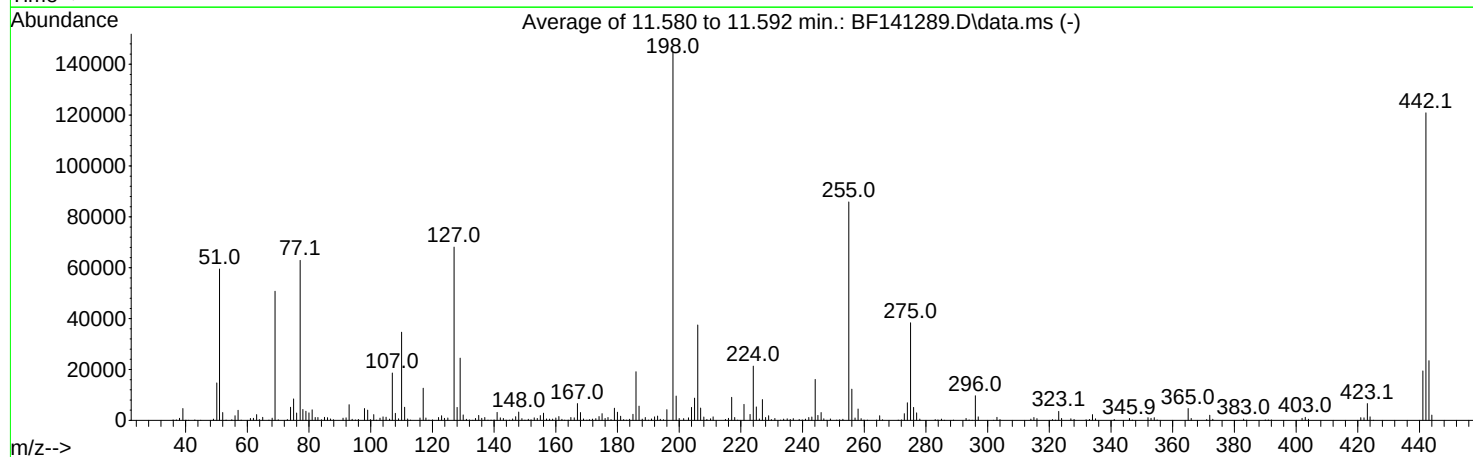
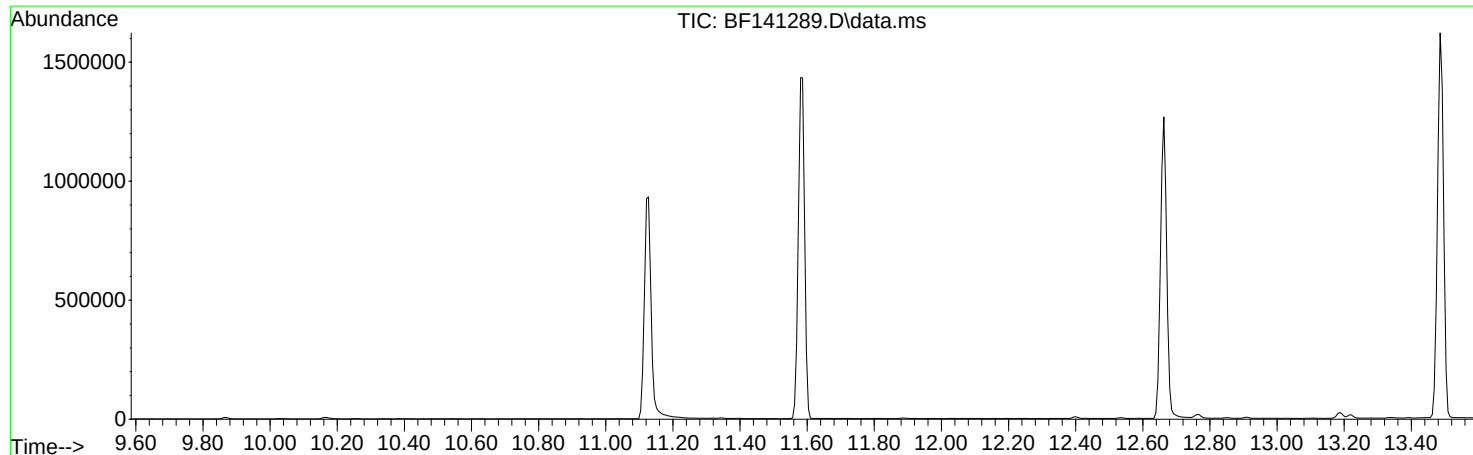
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



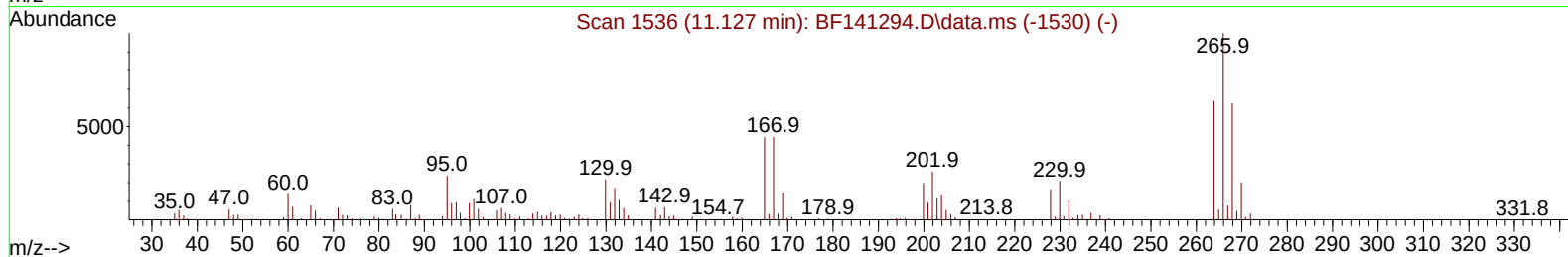
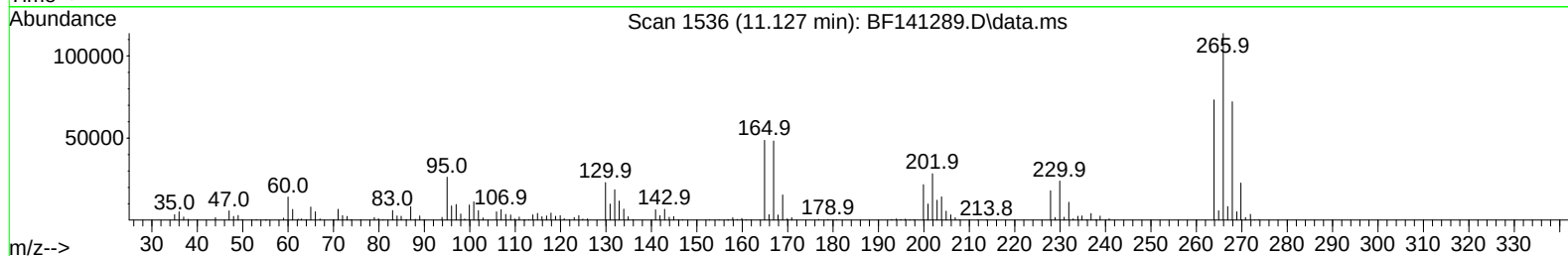
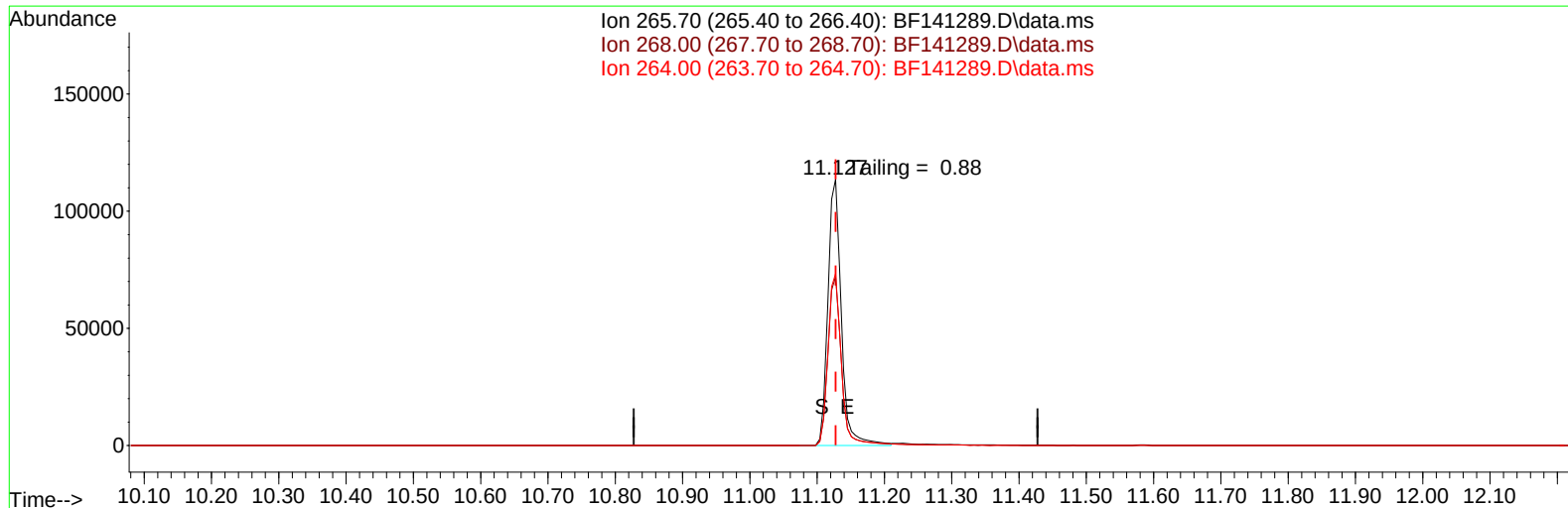
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

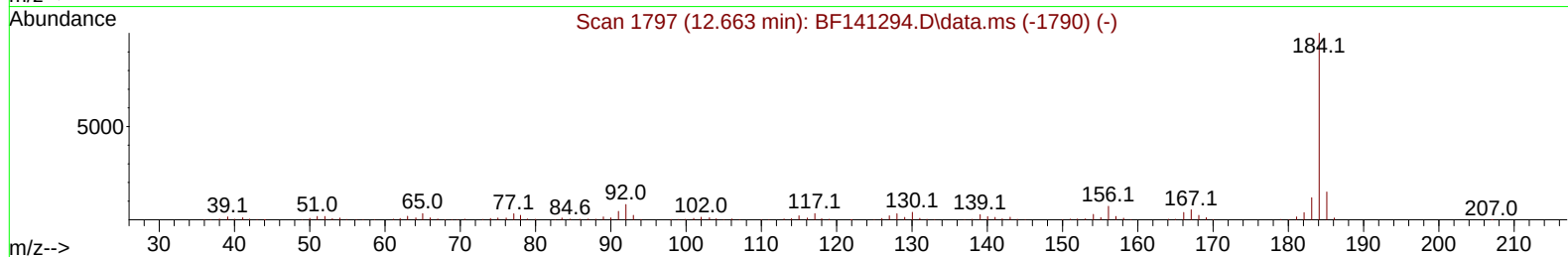
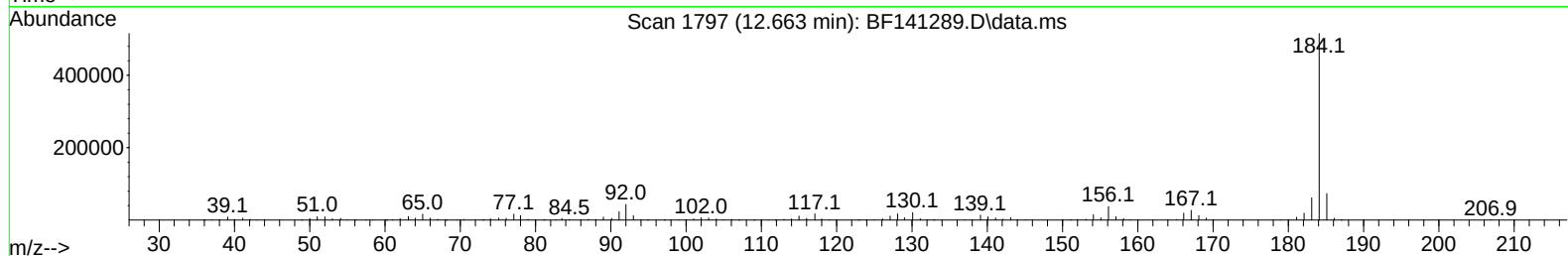
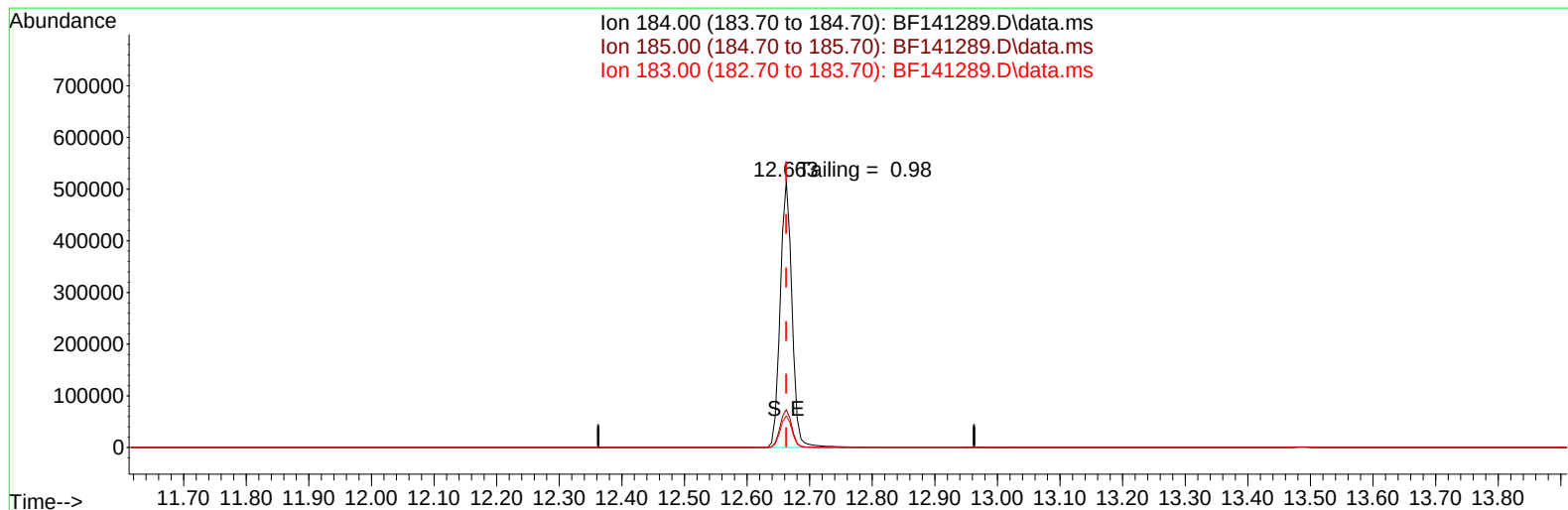
response 157302

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration



TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	<u>BF141289.D</u>
Compound Name	Response	Retention Time
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12170	419607	2.90

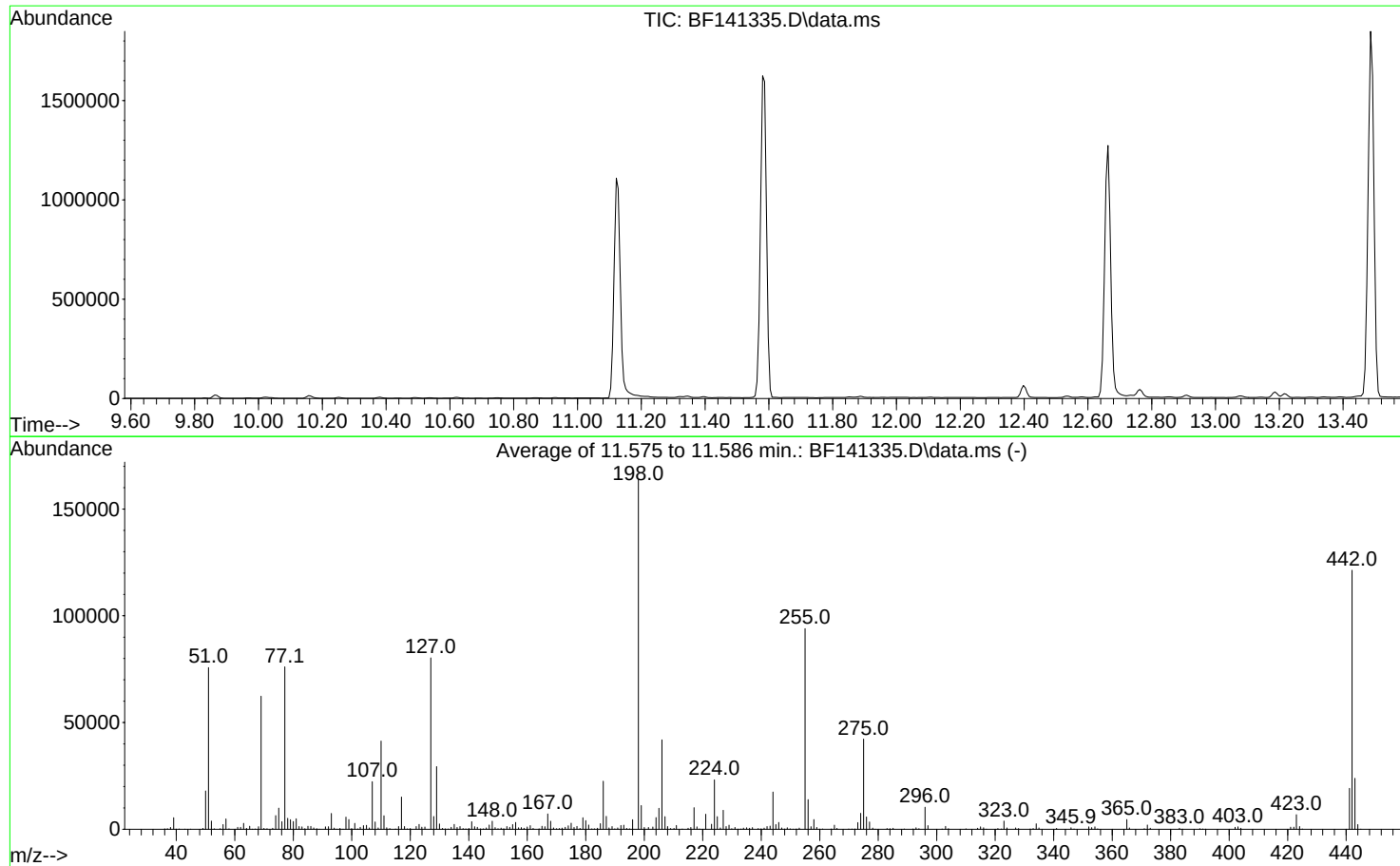
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.2	75704	PASS
68	69	0.00	2	1.9	1195	PASS
69	198	0.00	100	38.1	62342	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	49.0	80267	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	163789	PASS
199	198	5	9	6.8	11100	PASS
275	198	10	60	25.8	42219	PASS
365	198	1	100	2.8	4575	PASS
441	198	0.01	100	11.7	19173	PASS
442	442	50	100	100.0	121349	PASS
443	442	15	24	19.7	23847	PASS

DDT Breakdown

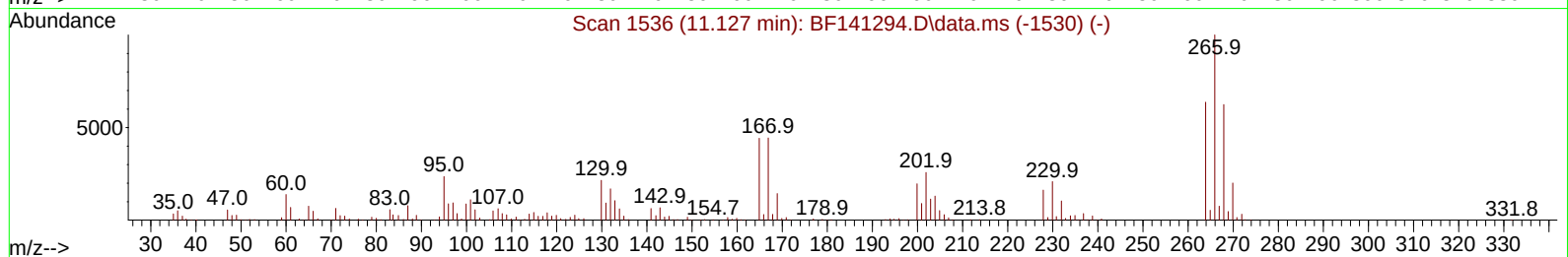
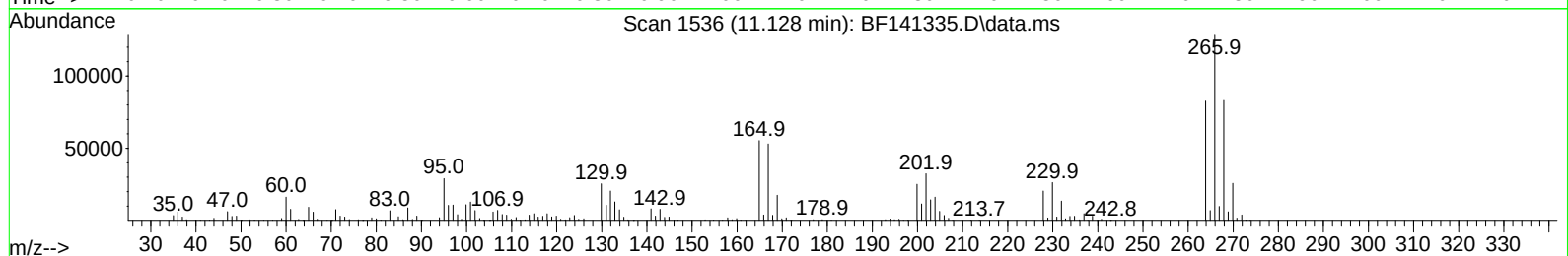
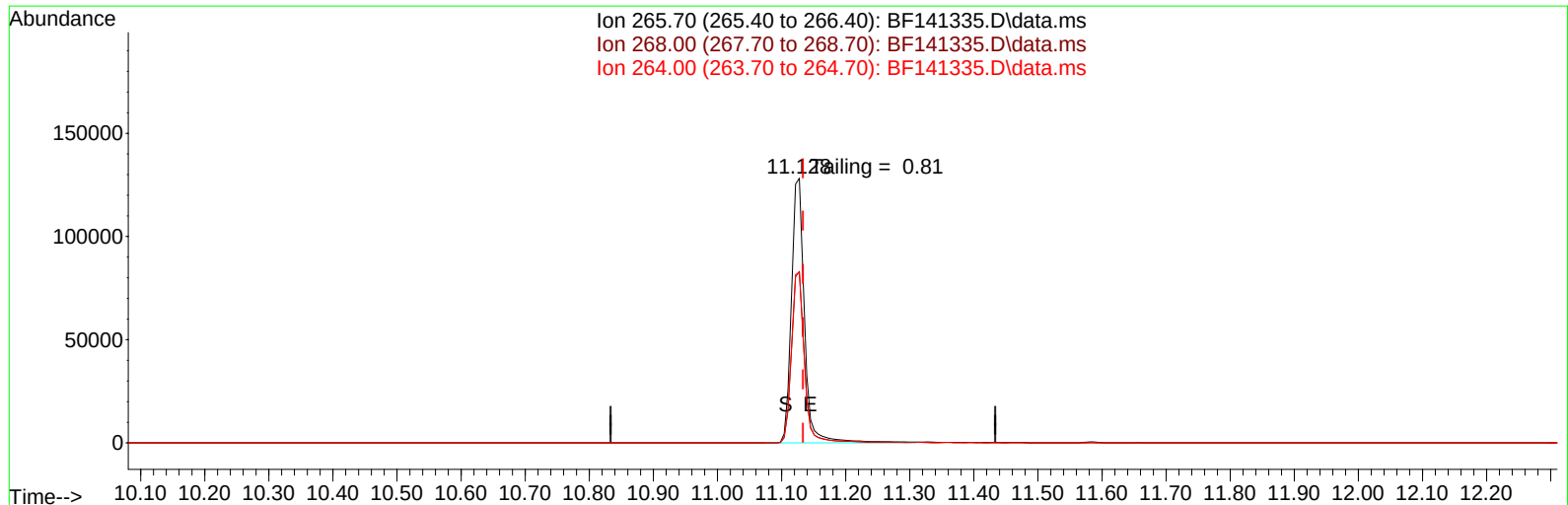
Date	Instrument Name	DFTPP Data File
1/31/2025	BNA_F	<u>BF141335.D</u>
Compound Name	Response	Retention Time
DDT	464959	13.486
DDD	12206	13.186
DDE	750	12.851
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
12956	477915	2.71

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 9273.56 ng

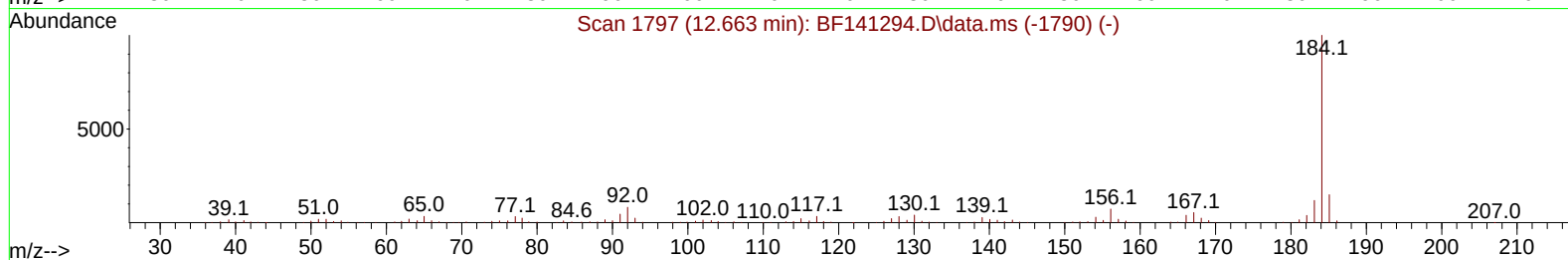
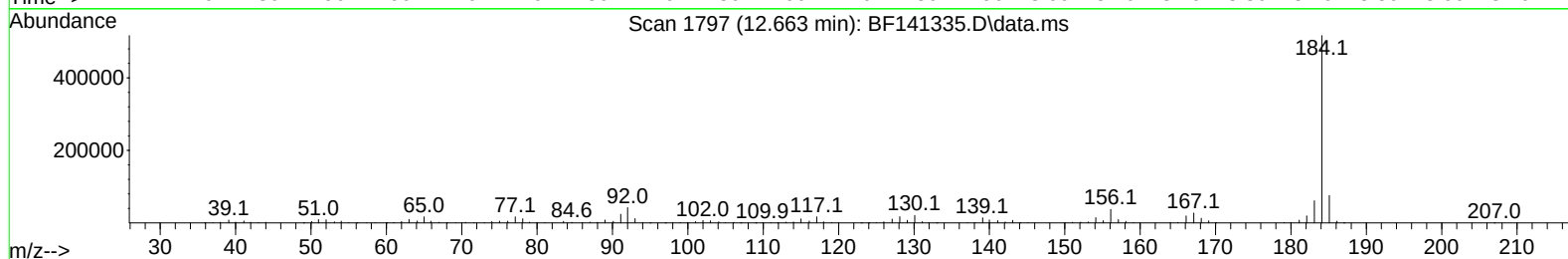
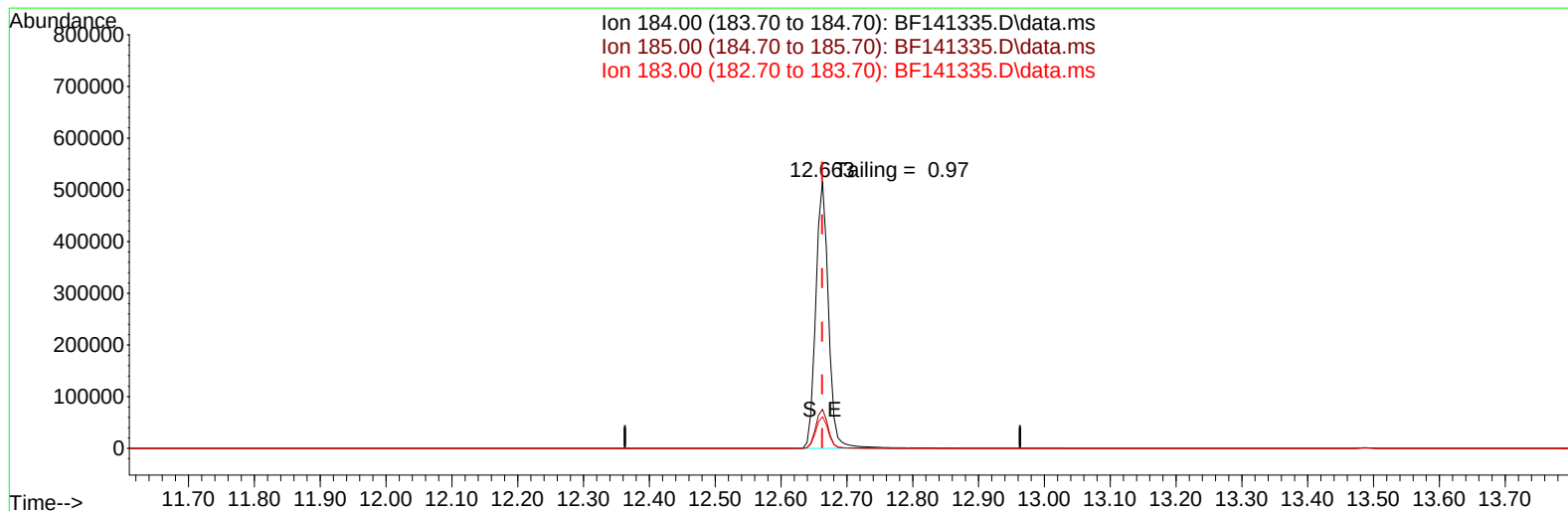
response 183922

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	64.82
264.00	63.70	64.49
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141335.D
Acq On : 31 Jan 2025 16:53
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 31 17:41:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141335.D\data.ms

(77) Benzidine

12.663min (-0.000) 12340.55 ng

response 693915

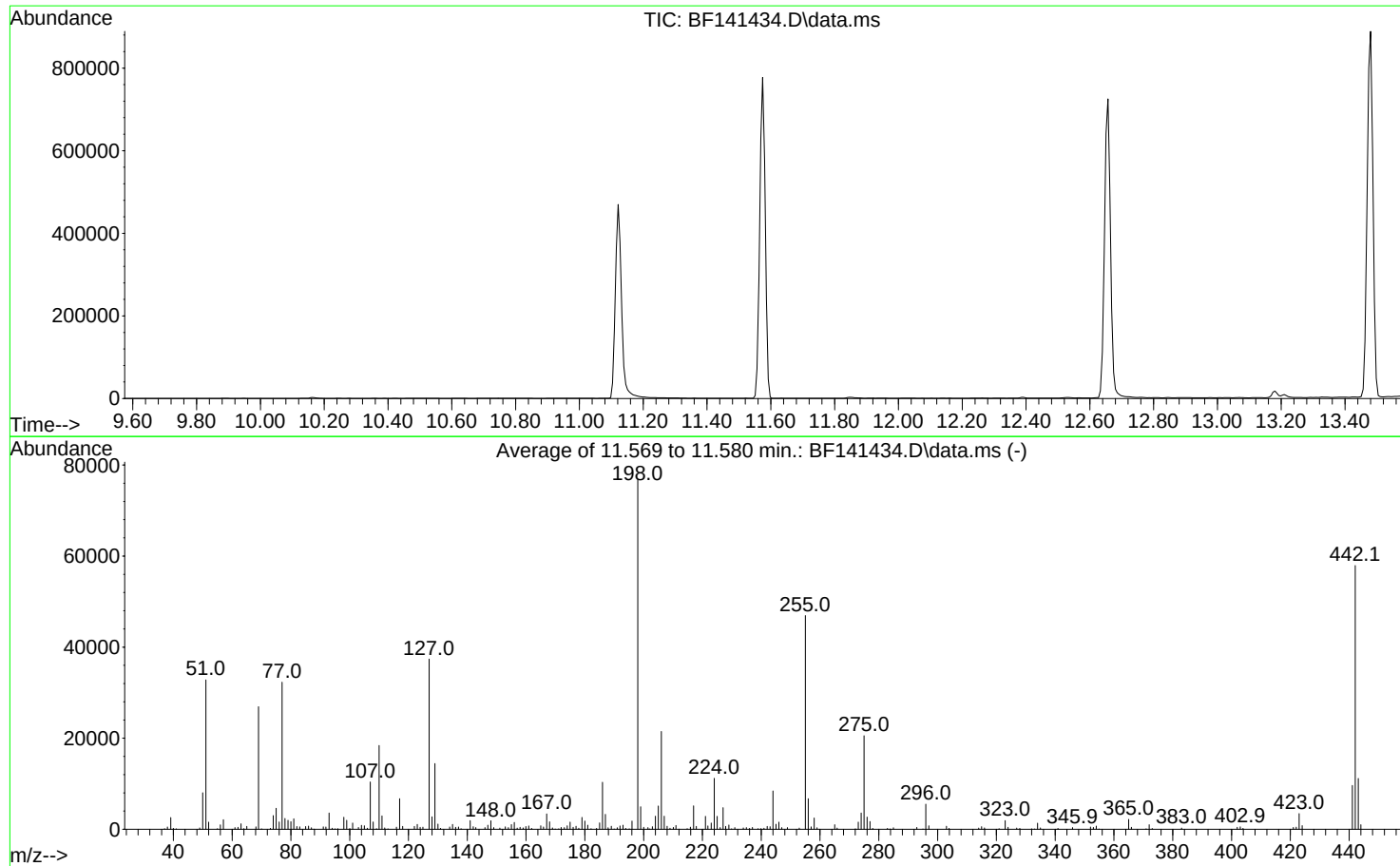
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.67
183.00	11.90	11.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.7	32805	PASS
68	69	0.00	2	2.0	529	PASS
69	198	0.00	100	35.1	26925	PASS
70	69	0.00	2	0.4	108	PASS
127	198	10	80	48.7	37376	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76800	PASS
199	198	5	9	6.4	4937	PASS
275	198	10	60	26.8	20563	PASS
365	198	1	100	2.8	2166	PASS
441	198	0.01	100	12.5	9611	PASS
442	442	50	100	100.0	57928	PASS
443	442	15	24	19.2	11149	PASS

DDT Breakdown

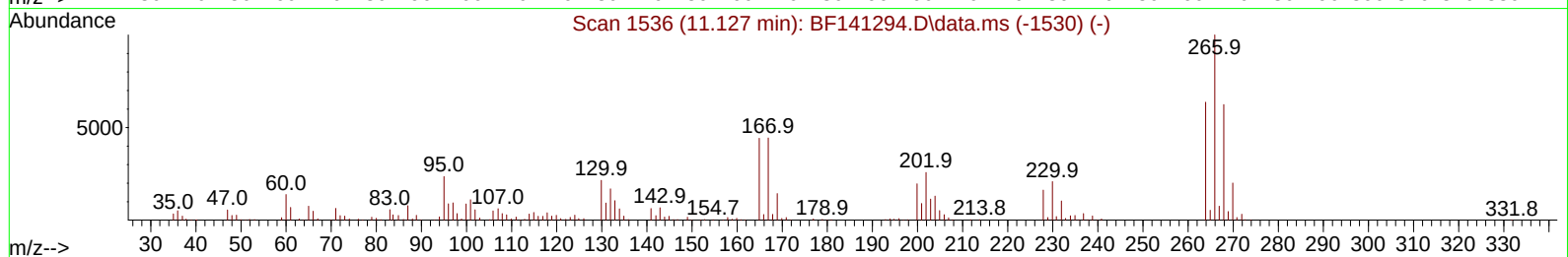
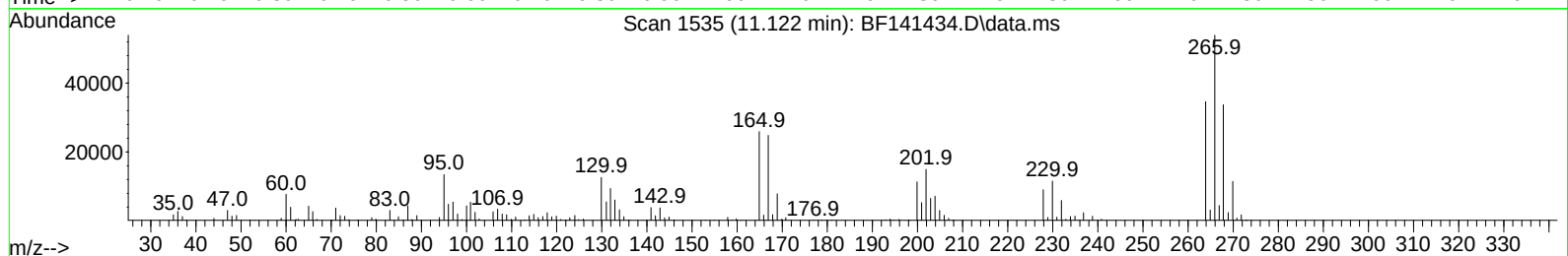
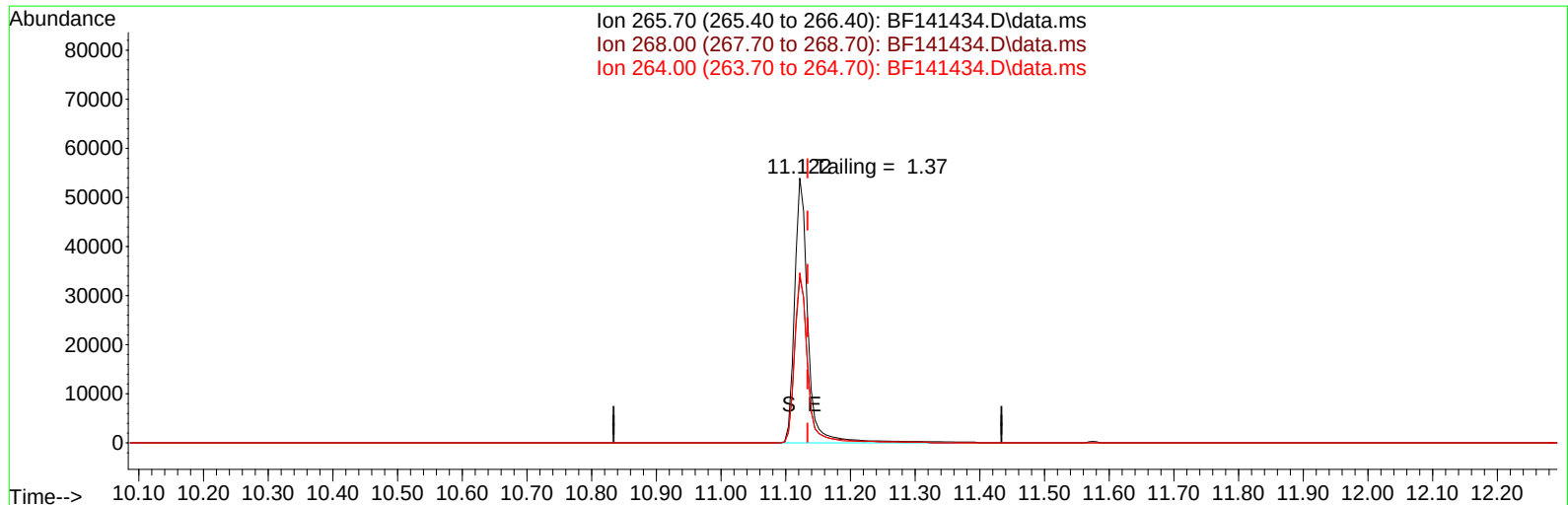
Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_F	<u>BF141434.D</u>
Compound Name	Response	Retention Time
DDT	219771	13.48
DDD	7608	13.18
DDE	480	12.845
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8088	227859	3.55

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141434.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 27136.66 ng

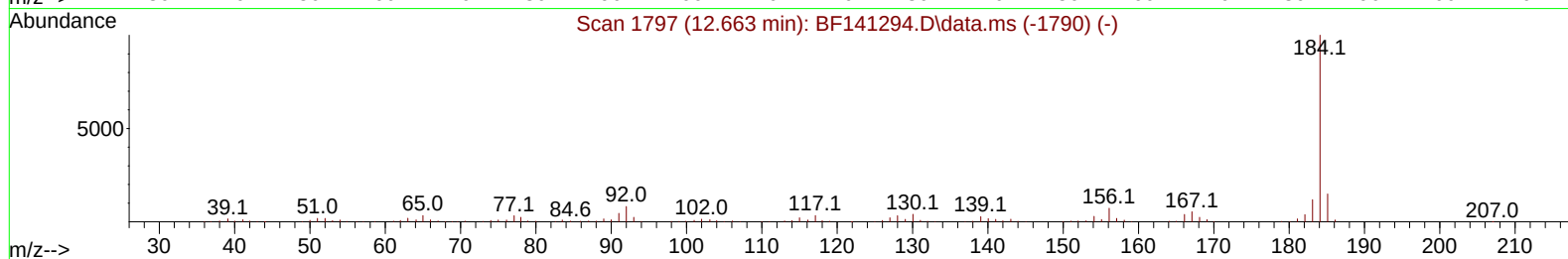
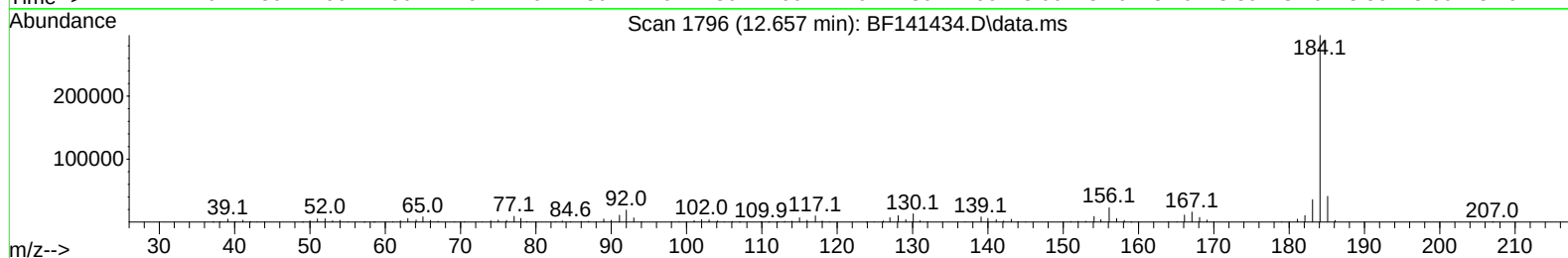
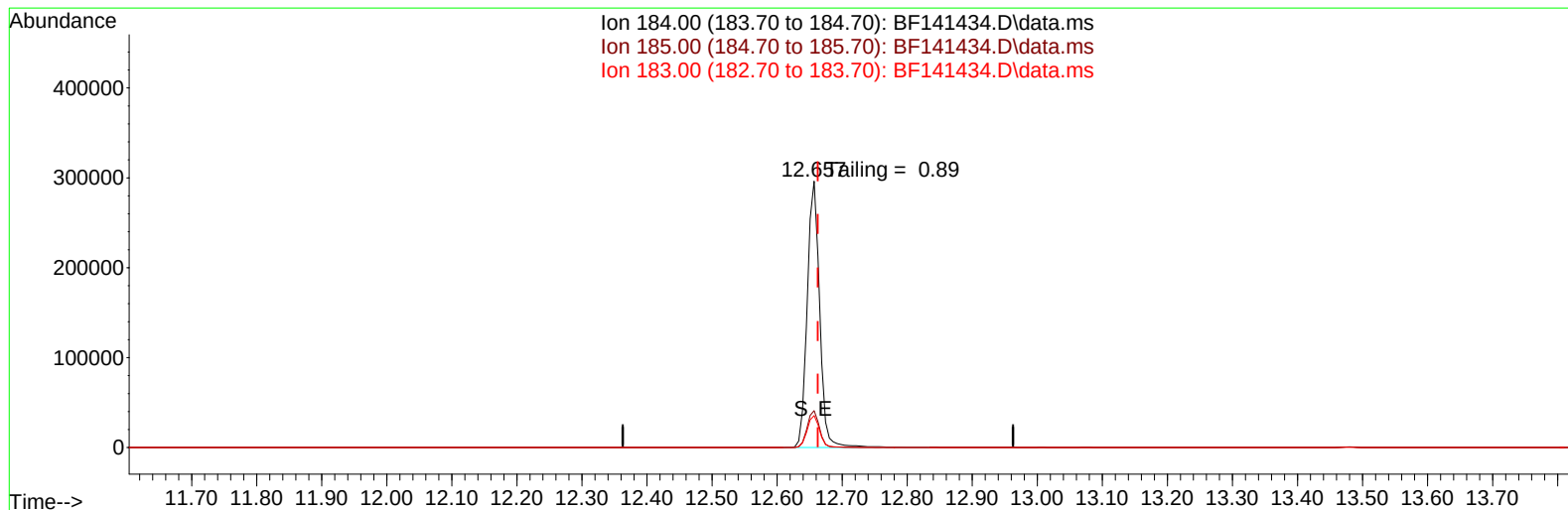
response 77371

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.57
264.00	63.70	64.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141434.D
Acq On : 05 Feb 2025 09:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 10:46:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



TIC: BF141434.D\data.ms

(77) Benzidine

12.657min (-0.006) 0.00 ng

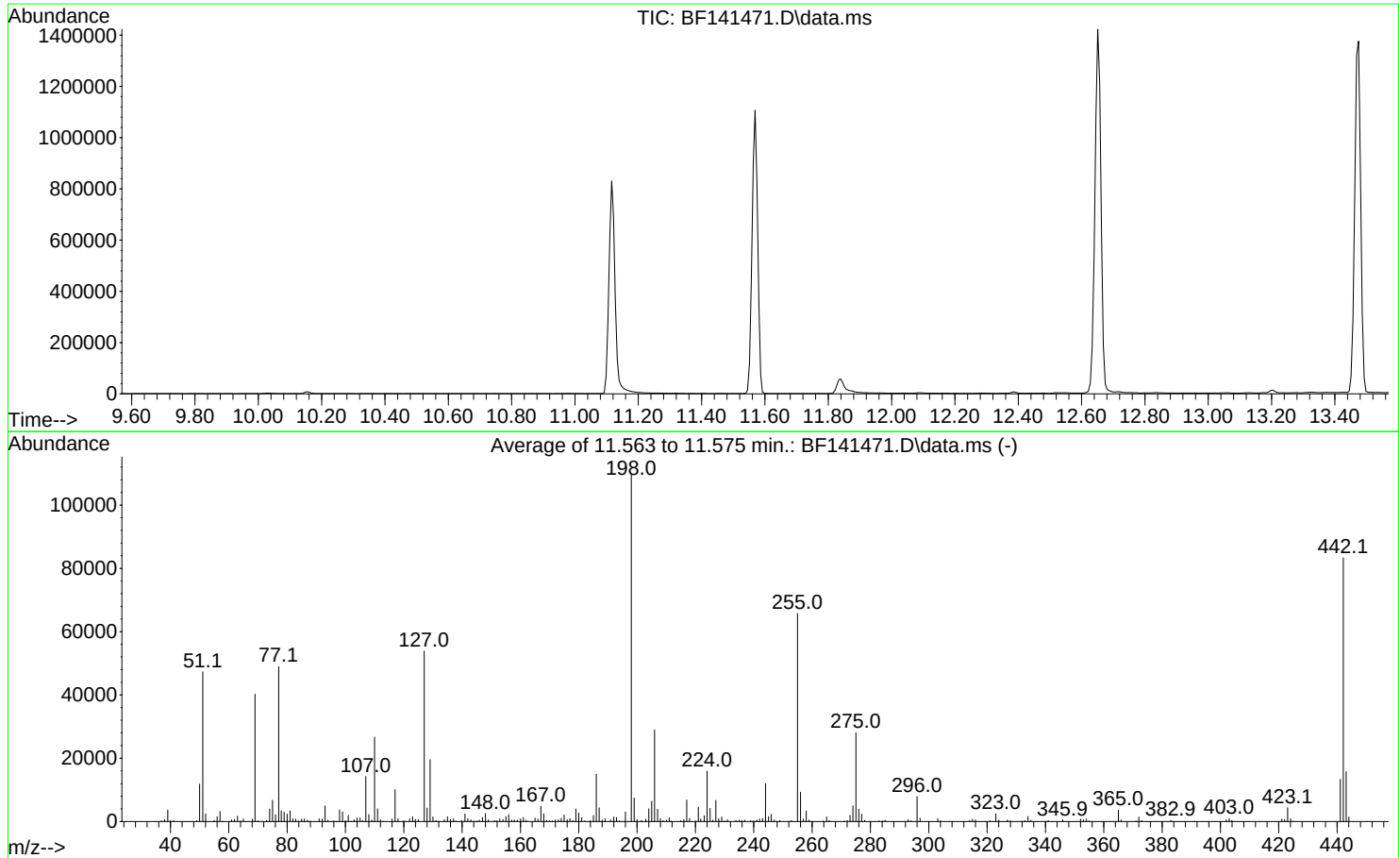
response 393319

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	13.83
183.00	11.90	12.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025



AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

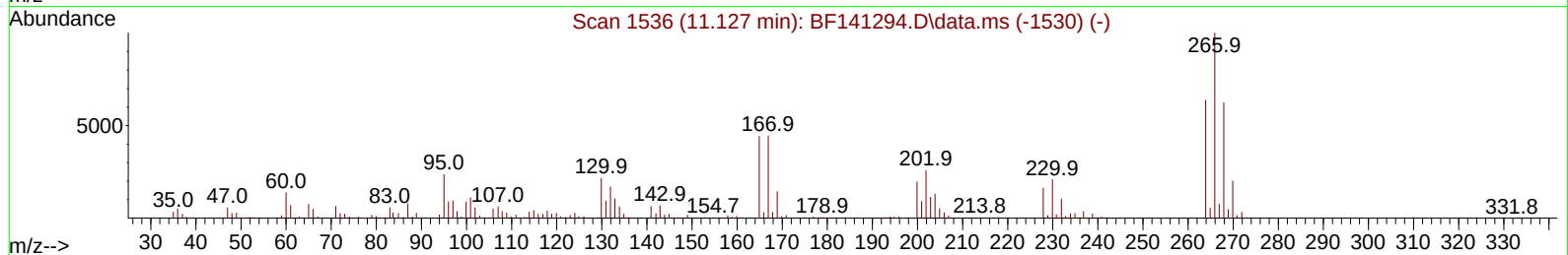
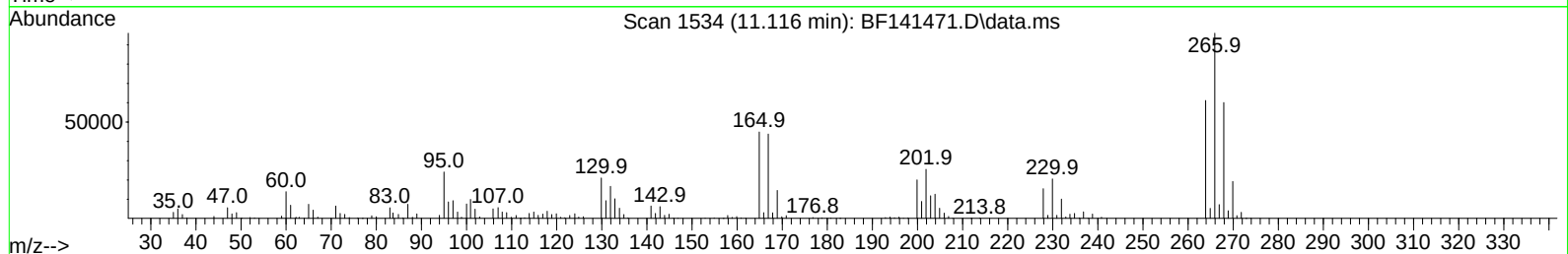
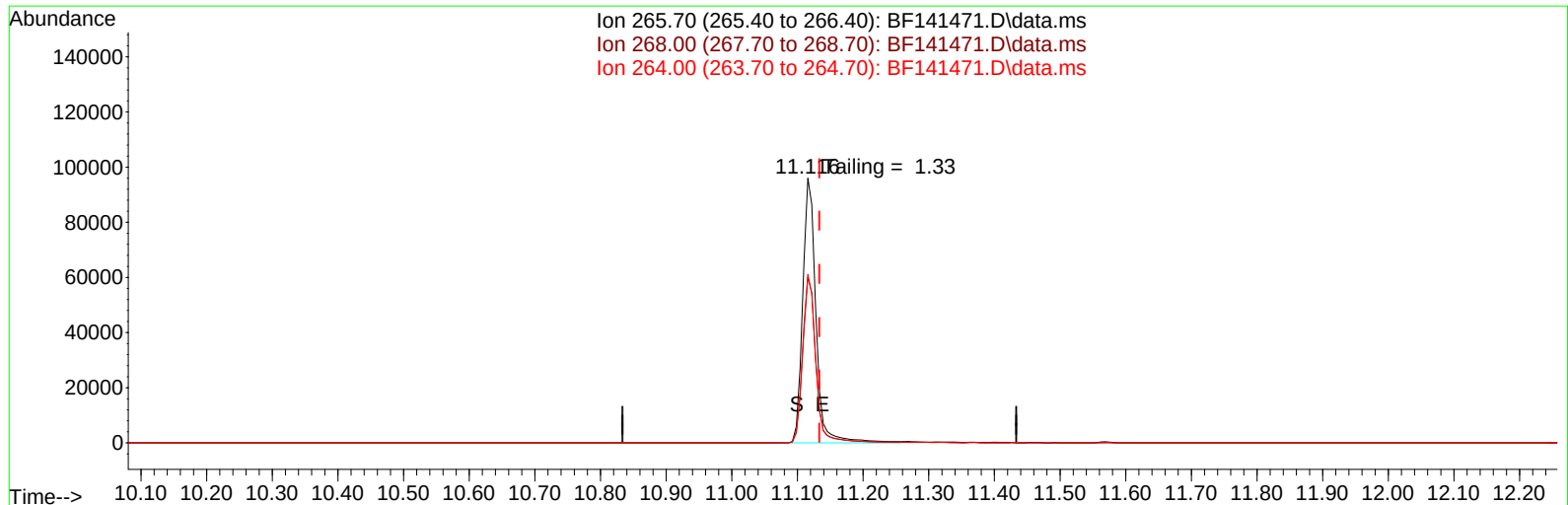
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.2	47360	PASS
68	69	0.00	2	1.9	756	PASS
69	198	0.00	100	36.7	40248	PASS
70	69	0.00	2	0.5	221	PASS
127	198	10	80	49.1	53877	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	109720	PASS
199	198	5	9	6.8	7444	PASS
275	198	10	60	25.6	28133	PASS
365	198	1	100	3.3	3599	PASS
441	198	0.01	100	12.2	13341	PASS
442	442	50	100	100.0	83323	PASS
443	442	15	24	18.9	15754	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/6/2025	BNA_F	<u>BF141471.D</u>
Compound Name	Response	Retention Time
DDT	348871	13.475
DDD	6398	13.204
DDE	521	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6919	355790	1.94

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration



TIC: BF141471.D\data.ms

(70) Pentachlorophenol (C)

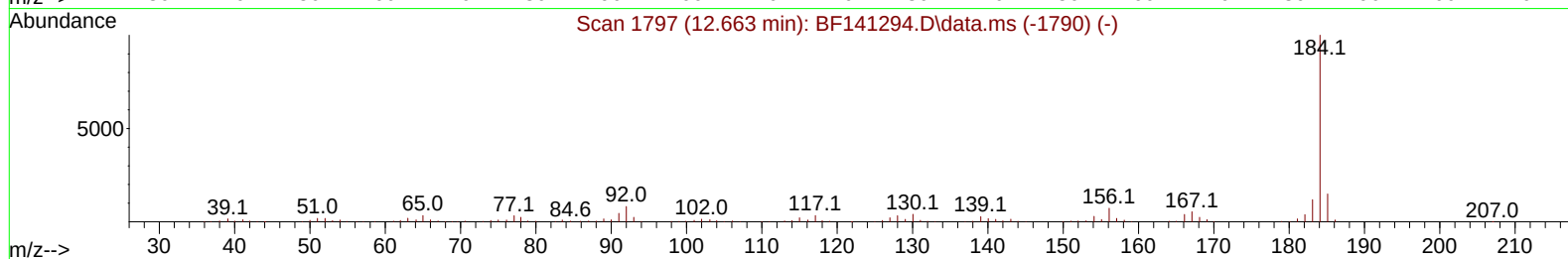
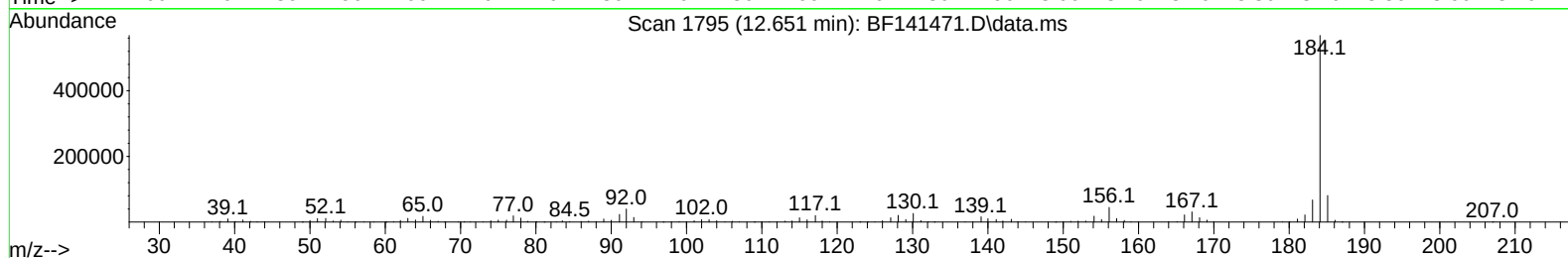
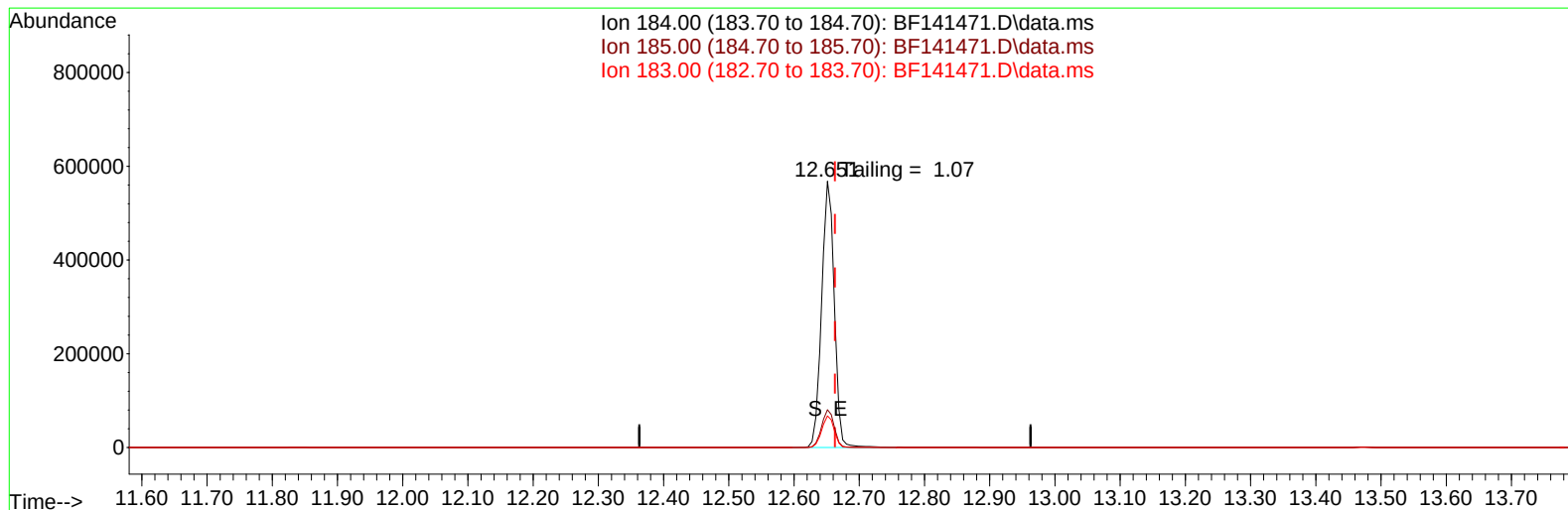
11.116min (-0.018) 32915.33 ng

response 135048

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.59
264.00	63.70	63.70
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
Data File : BF141471.D
Acq On : 06 Feb 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 06 13:09:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 13:08:53 2025
Response via : Initial Calibration



TIC: BF141471.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 764582

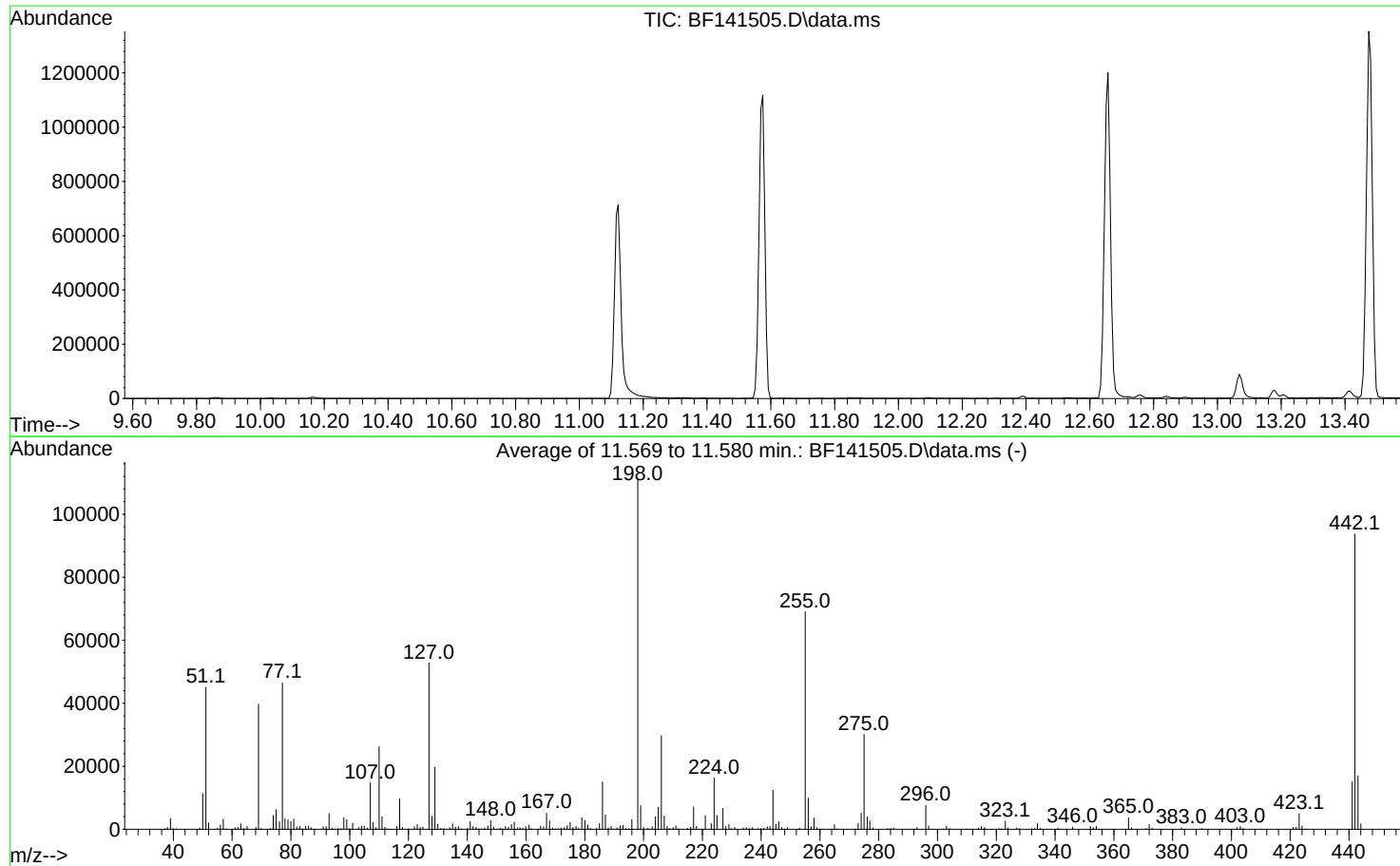
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.21
183.00	11.90	11.88
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
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-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.6	45085	PASS
68	69	0.00	2	1.7	677	PASS
69	198	0.00	100	35.7	39669	PASS
70	69	0.00	2	0.7	272	PASS
127	198	10	80	47.6	52811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	110989	PASS
199	198	5	9	6.7	7473	PASS
275	198	10	60	27.1	30101	PASS
365	198	1	100	3.3	3633	PASS
441	198	0.01	100	13.6	15067	PASS
442	442	50	100	100.0	93723	PASS
443	442	15	24	18.1	16972	PASS

DDT Breakdown

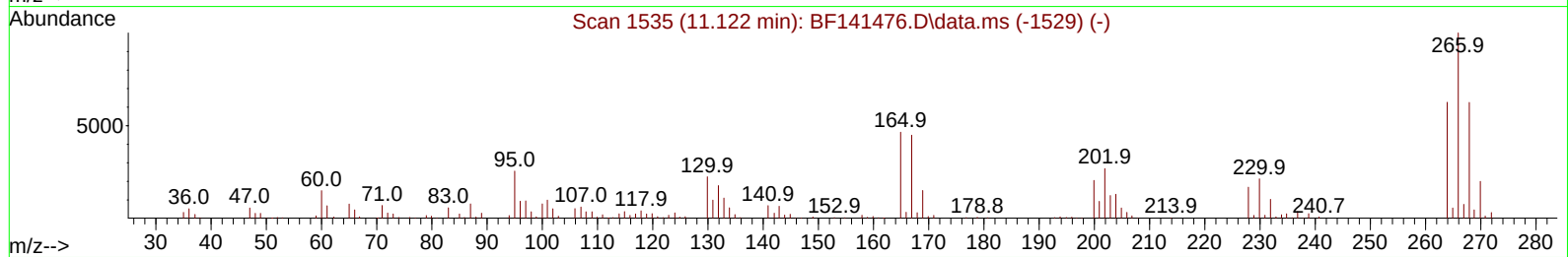
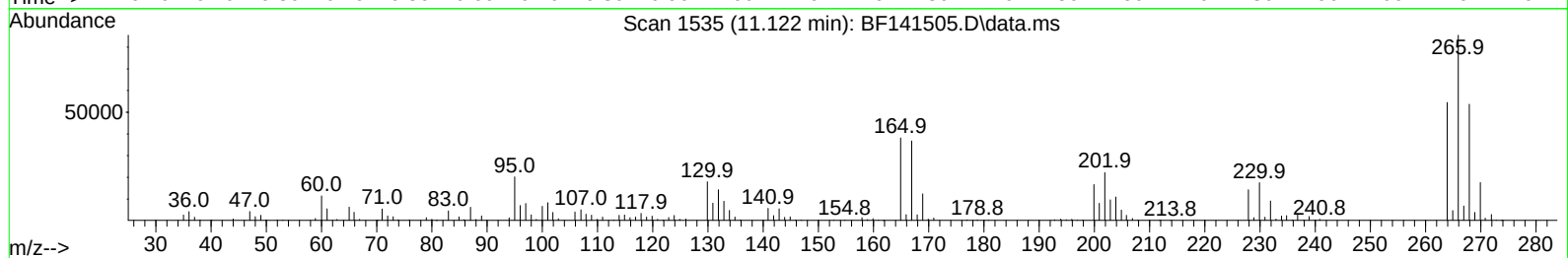
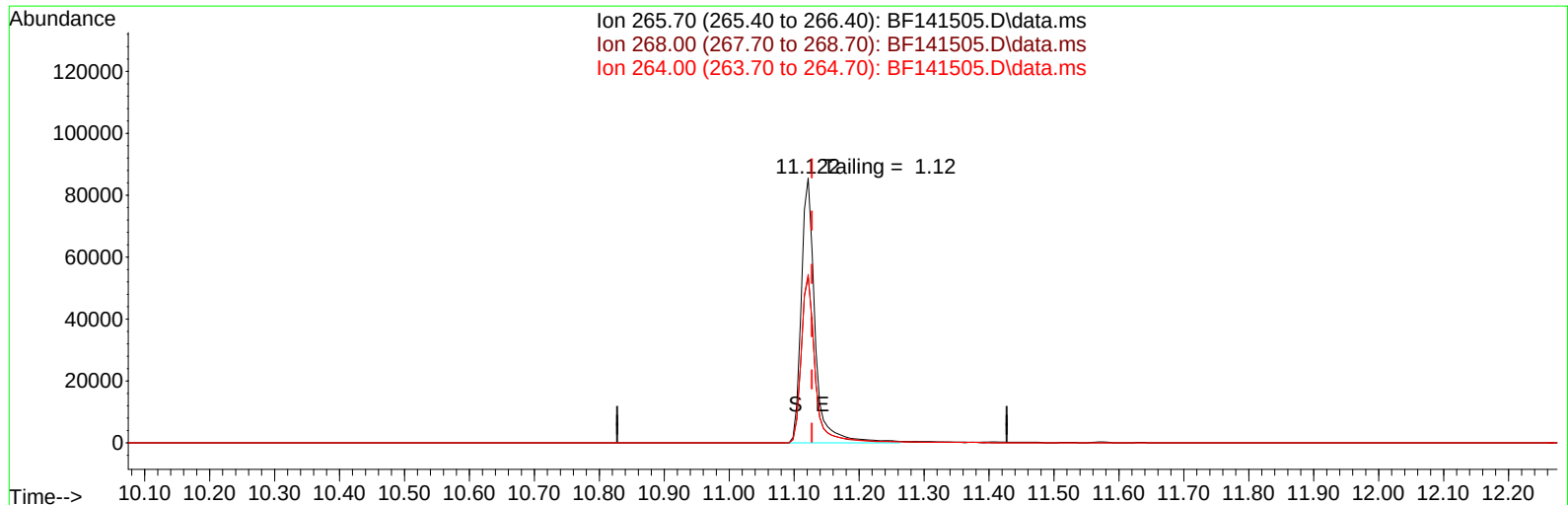
Date	Instrument Name	DFTPP Data File
2/7/2025	BNA_F	<u>BF141505.D</u>
Compound Name	Response	Retention Time
DDT	346517	13.474
DDD	12084	13.18
DDE	2082	12.839
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14166	360683	3.93

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



TIC: BF141505.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.006) 20208.15 ng

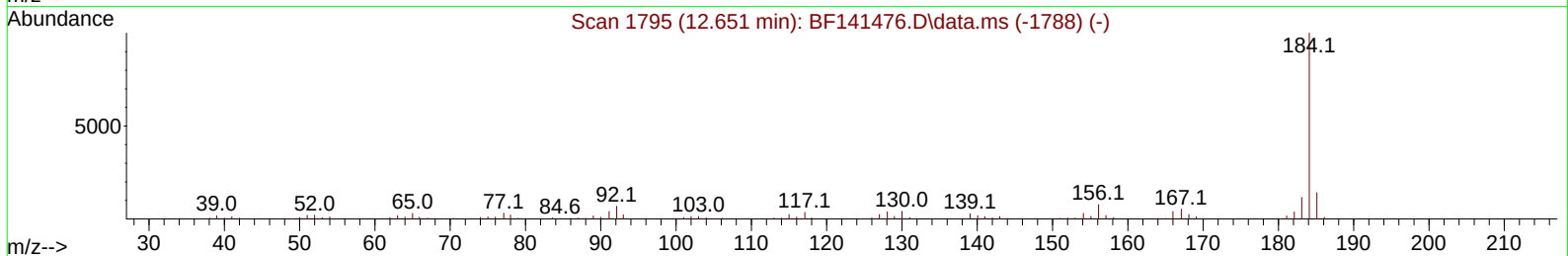
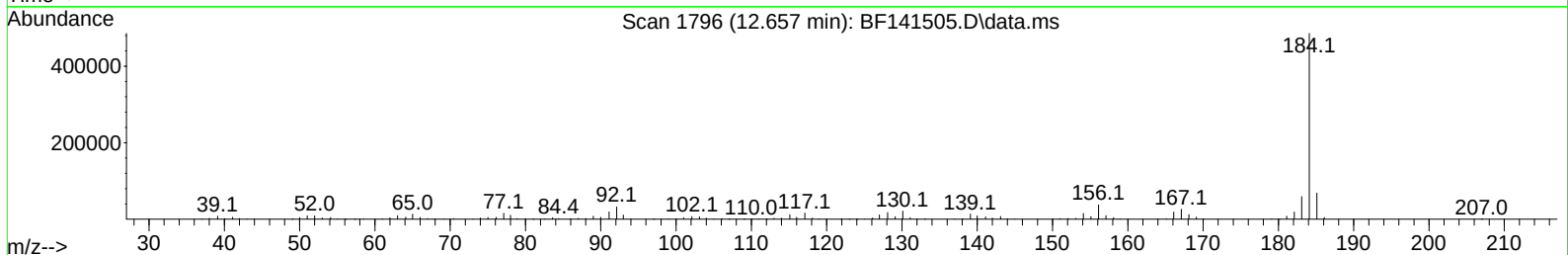
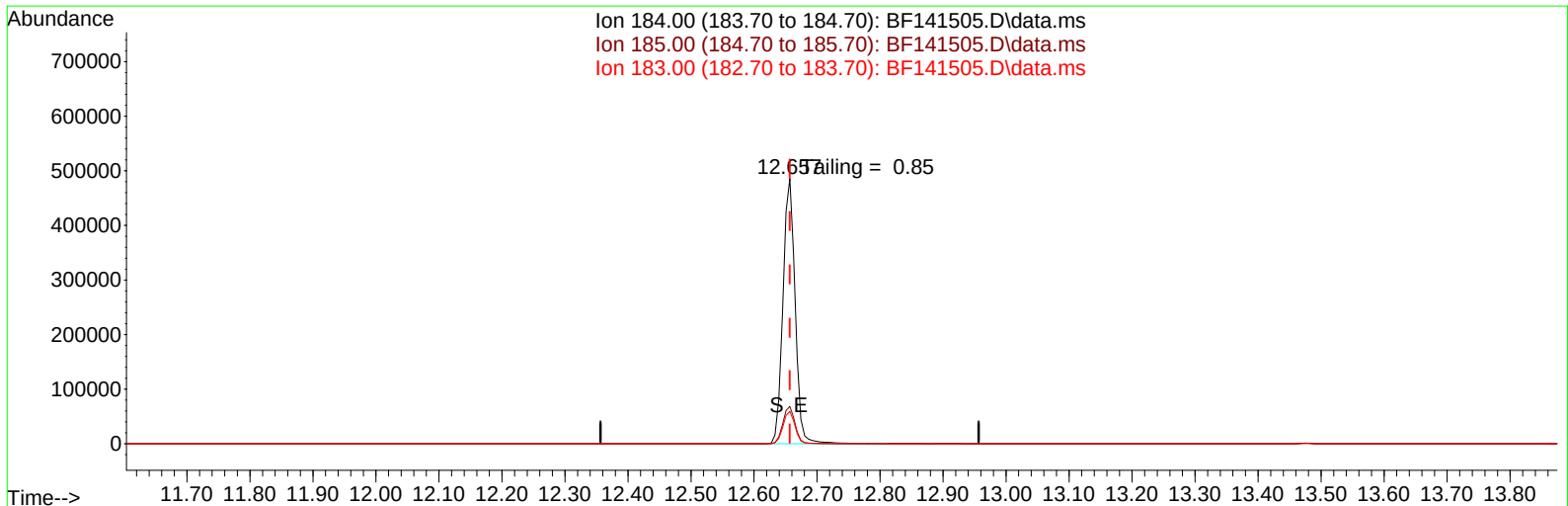
response 127294

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.60	62.80
264.00	62.60	63.69
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141505.D
Acq On : 07 Feb 2025 14:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 07 14:31:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



TIC: BF141505.D\data.ms

(77) Benzidine

12.657min (+ 0.000) 44608.91 ng

response 656208

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.11
183.00	11.60	12.23
0.00	0.00	0.00

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1235
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	U	180	330	ug/Kg
108-95-2	Phenol	170	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	170	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	170	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	90.8	170	ug/Kg
98-86-2	Acetophenone	170	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	170	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	170	U	90.7	170	ug/Kg
78-59-1	Isophorone	170	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	170	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	75.4	170	ug/Kg
91-20-3	Naphthalene	170	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	170	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	83.2	170	ug/Kg
105-60-2	Caprolactam	330	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	170	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	170	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	170	U	81.6	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1235
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	170	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	170	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	330	U	120	330	ug/Kg
132-64-9	Dibenzofuran	170	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	170	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	85.5	170	ug/Kg
86-73-7	Fluorene	170	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	170	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	170	U	84.9	170	ug/Kg
1912-24-9	Atrazine	170	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	330	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	170	U	83.9	170	ug/Kg
120-12-7	Anthracene	170	U	84.3	170	ug/Kg
86-74-8	Carbazole	170	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	170	U	81.6	170	ug/Kg
129-00-0	Pyrene	170	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	80.6	170	ug/Kg
218-01-9	Chrysene	170	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	81.0	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1235
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	129		15 - 107	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		20 - 109	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		10 - 116	98%	SPK: 150
1718-51-0	Terphenyl-d14	94.3		10 - 105	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	76500		6.786		
1146-65-2	Naphthalene-d8	302000		8.069		
15067-26-2	Acenaphthene-d10	163000		9.827		
1517-22-2	Phenanthrene-d10	281000		11.316		
1719-03-5	Chrysene-d12	198000		13.957		
1520-96-3	Perylene-d12	160000		15.433		
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.17	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	71.0	A		5.02	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BL	SDG No.:	Q1235
Lab Sample ID:	PB166418BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141440.D	1	01/31/25 10:20	02/05/25 12:13	PB166418

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\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Time: Feb 05 12:36:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	76450	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	302478	20.000	ng	-0.02
39) Acenaphthene-d10	9.827	164	163001	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	280778	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	198135	20.000	ng	#-0.02
86) Perylene-d12	15.433	264	160441	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	666000	133.740	ng	0.00
7) Phenol-d6	6.428	99	816442	128.879	ng	-0.01
23) Nitrobenzene-d5	7.351	82	551203	96.065	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	220153	147.324	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1022355	96.539	ng	-0.01
79) Terphenyl-d14	12.904	244	1211621	94.307	ng	-0.01

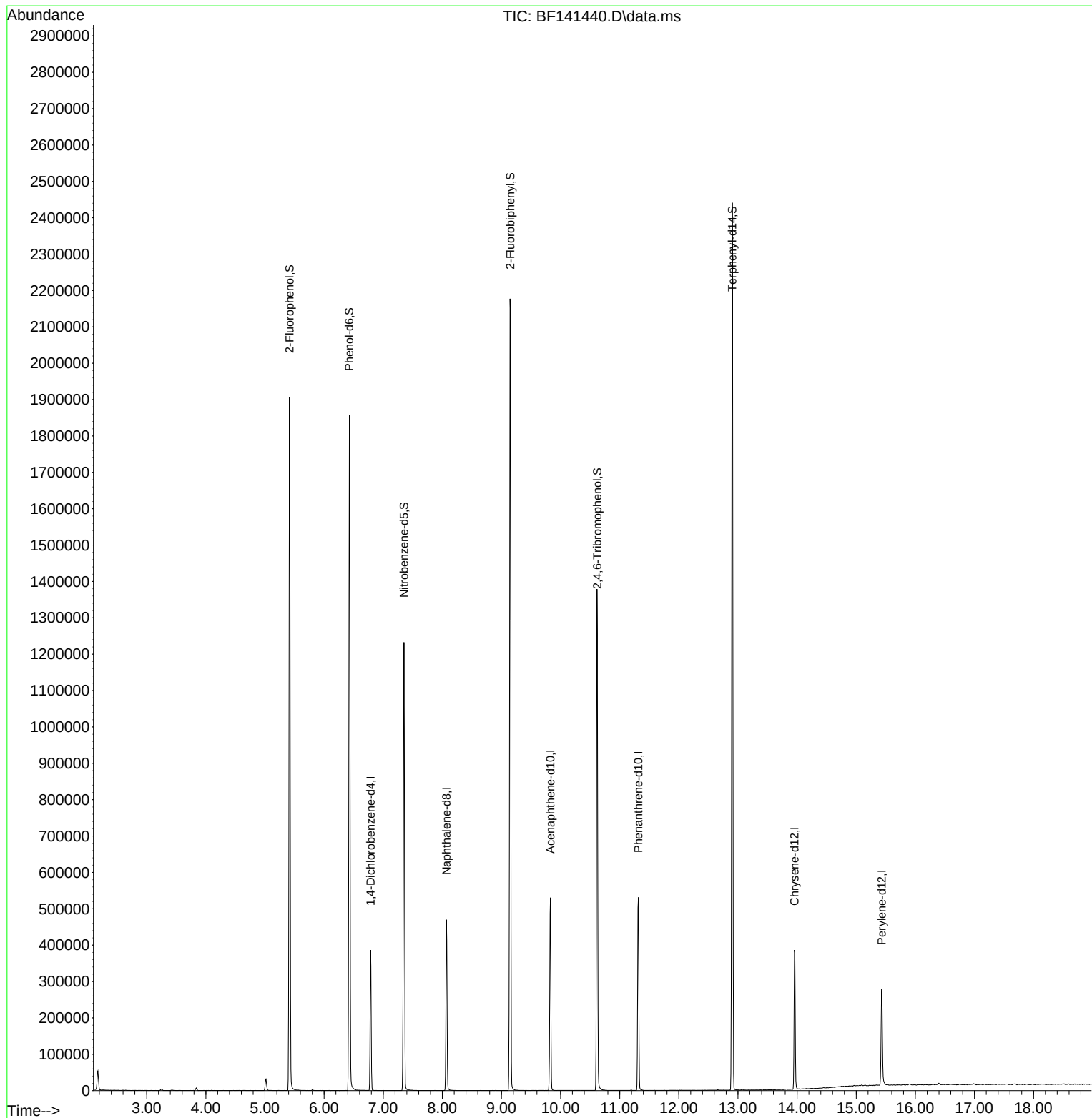
Target Compounds	Qvalue

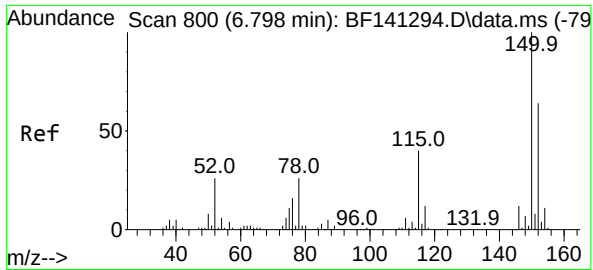
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

Quant Time: Feb 05 12:36:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

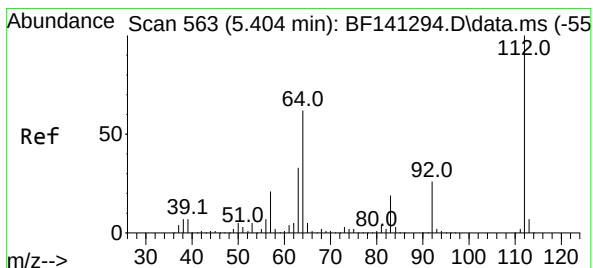
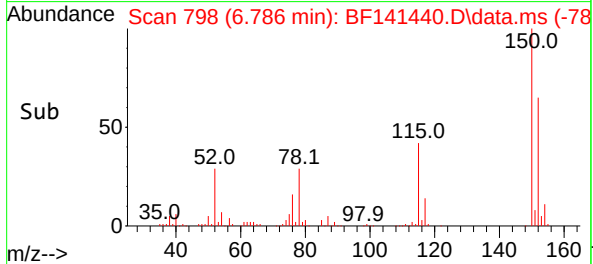
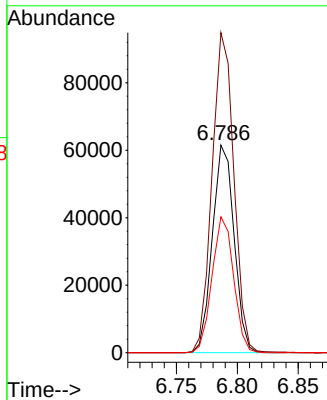
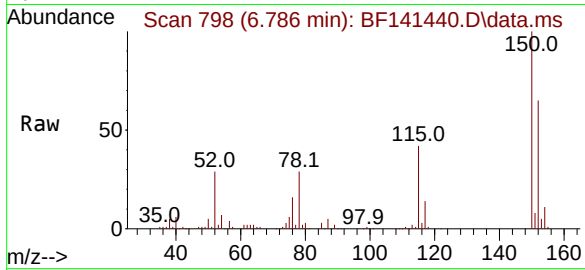




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

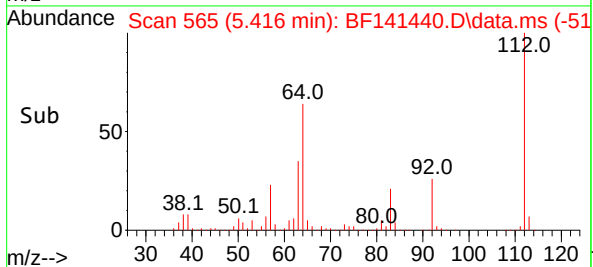
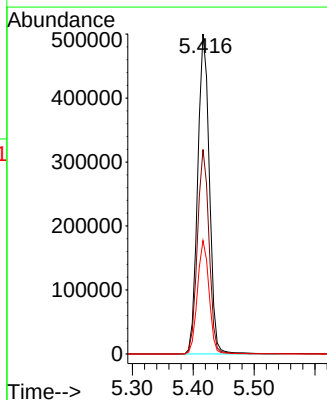
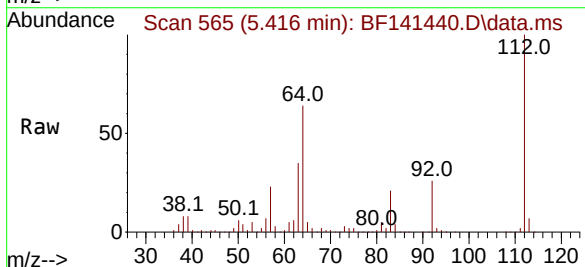
Instrument :
BNA_F
ClientSampleId :
PB166418BL

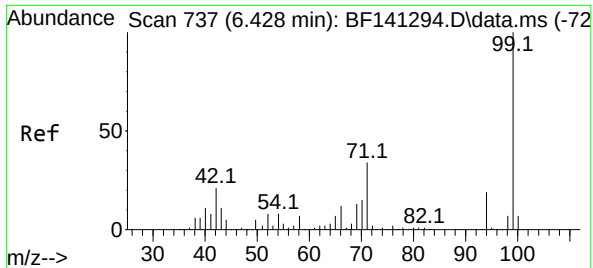
Tgt Ion:152 Resp: 76450
Ion Ratio Lower Upper
152 100
150 154.3 125.9 188.9
115 65.5 49.7 74.5



#5
2-Fluorophenol
Concen: 133.740 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:112 Resp: 666000
Ion Ratio Lower Upper
112 100
64 63.9 49.8 74.8
63 35.5 26.1 39.1





#7

Phenol-d6

Concen: 128.879 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13

Instrument :

BNA_F

ClientSampleId :

PB166418BL

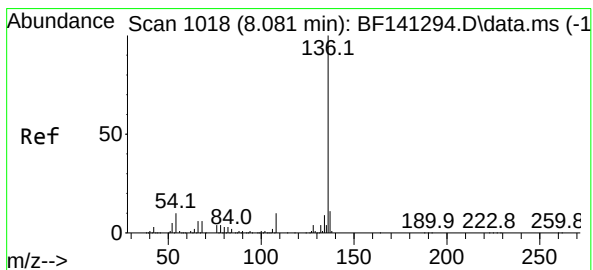
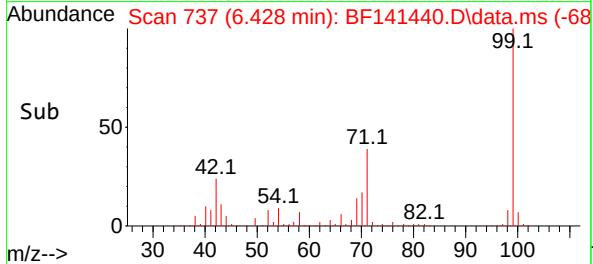
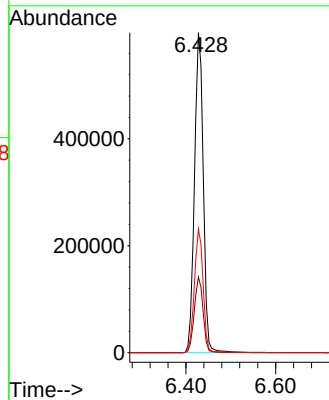
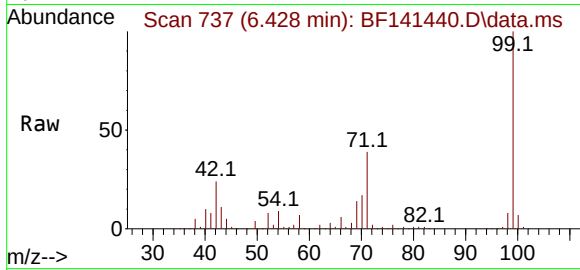
Tgt Ion: 99 Resp: 816442

Ion Ratio Lower Upper

99 100

42 23.6 17.1 25.7

71 38.7 26.9 40.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1016

Delta R.T. -0.018 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13

Tgt Ion: 136 Resp: 302478

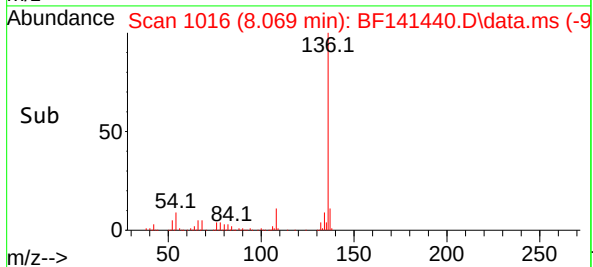
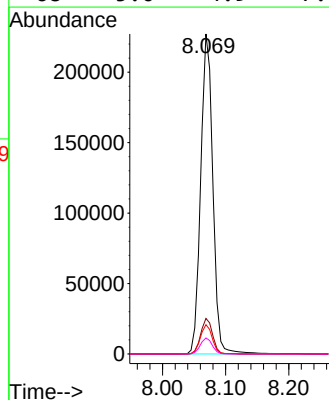
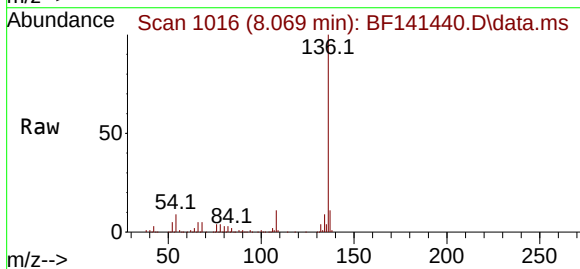
Ion Ratio Lower Upper

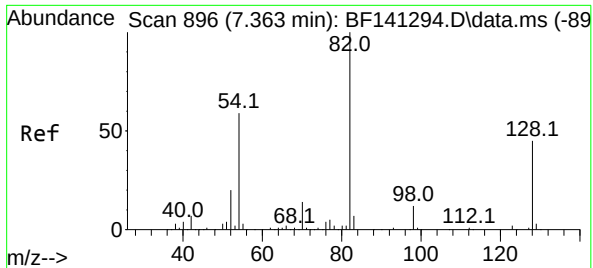
136 100

137 11.1 8.6 13.0

54 9.2 7.8 11.8

68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 96.065 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13

Instrument :

BNA_F

ClientSampleId :

PB166418BL

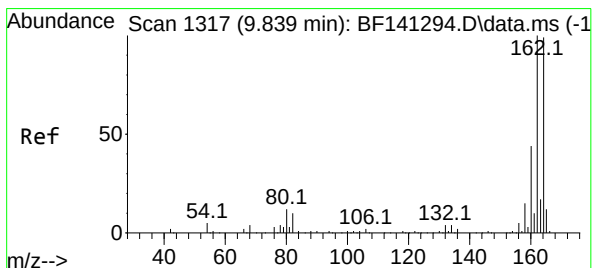
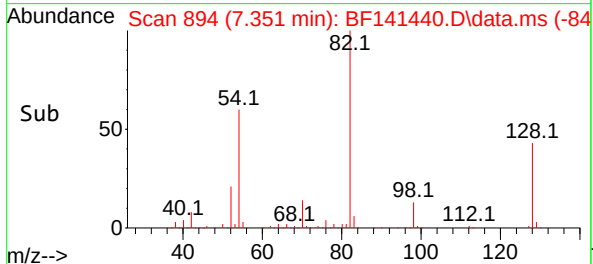
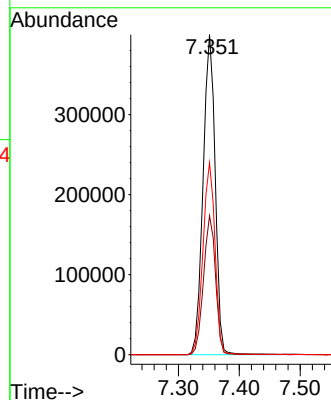
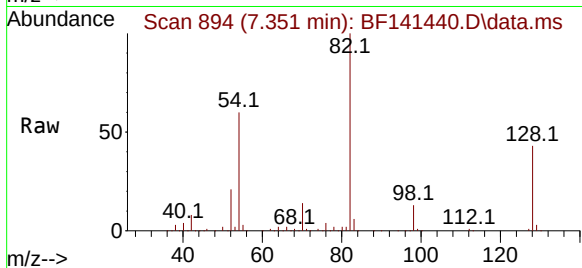
Tgt Ion: 82 Resp: 551203

Ion Ratio Lower Upper

82 100

128 43.4 35.7 53.5

54 60.0 47.1 70.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13

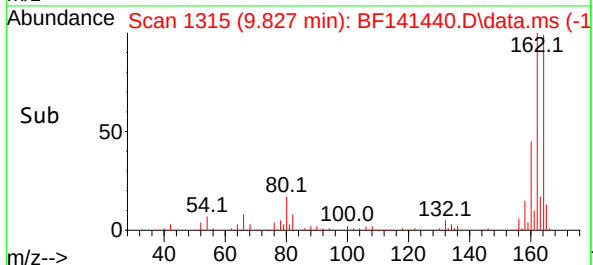
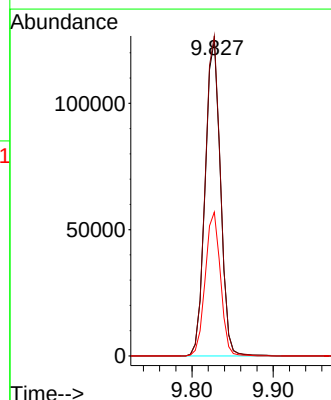
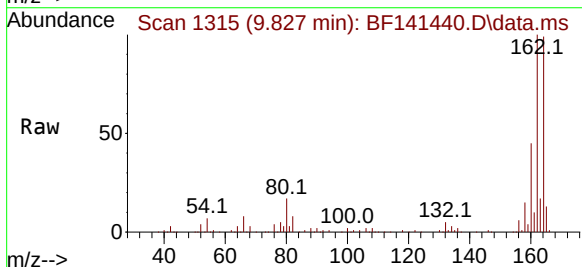
Tgt Ion:164 Resp: 163001

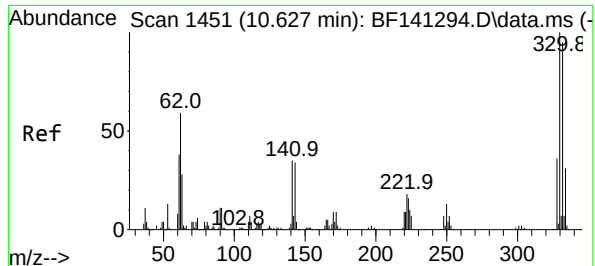
Ion Ratio Lower Upper

164 100

162 101.3 80.6 121.0

160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 147.324 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141440.D

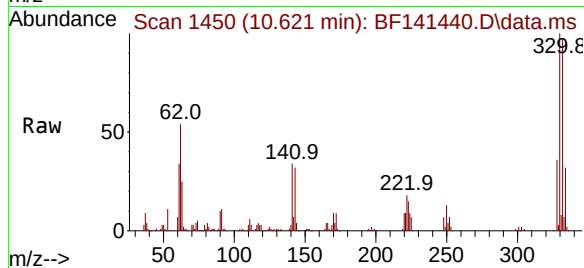
Acq: 05 Feb 2025 12:13

Instrument :

BNA_F

ClientSampleId :

PB166418BL



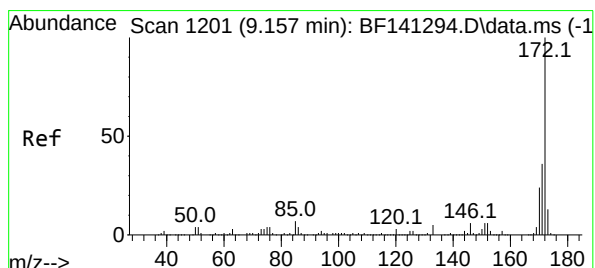
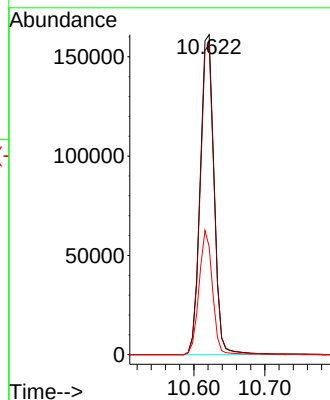
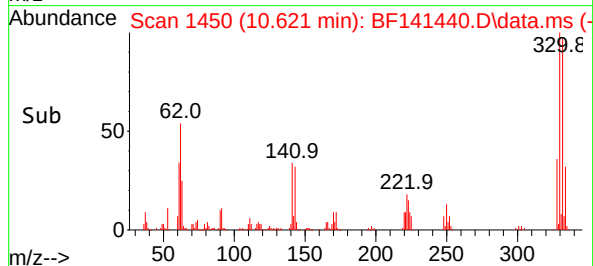
Tgt Ion:330 Resp: 220153

Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 37.6 28.8 43.2



#45

2-Fluorobiphenyl

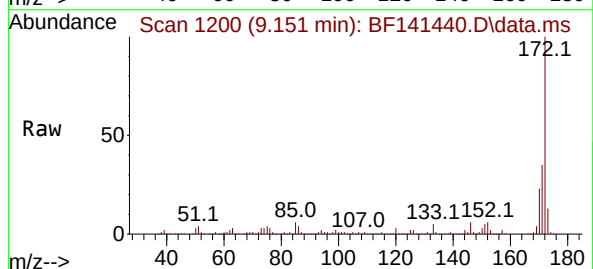
Concen: 96.539 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13



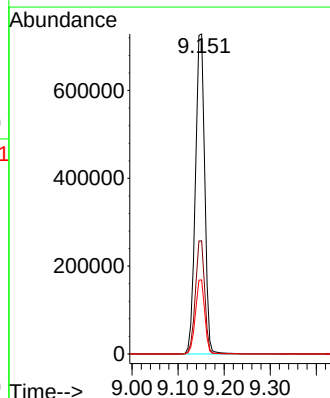
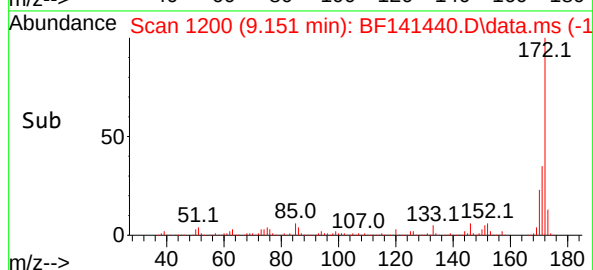
Tgt Ion:172 Resp: 1022355

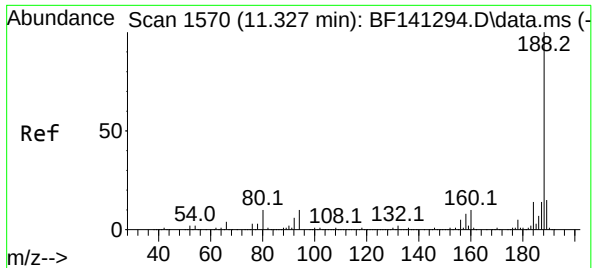
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.1 19.0 28.6

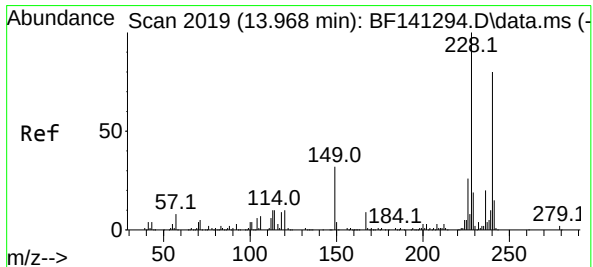
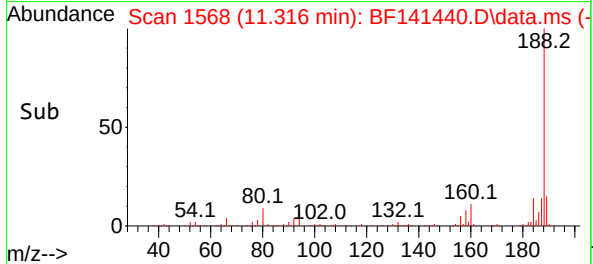
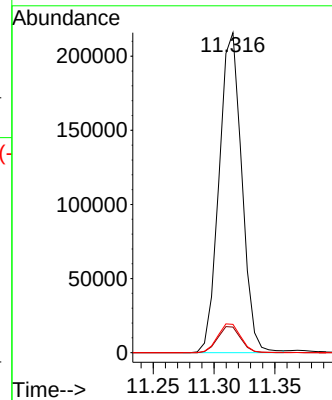
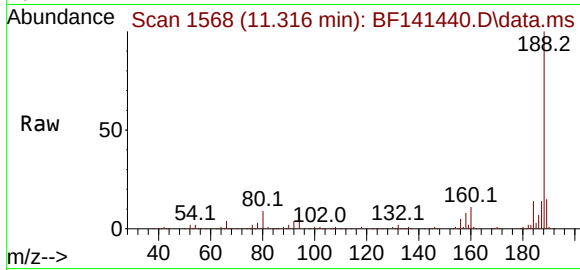




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

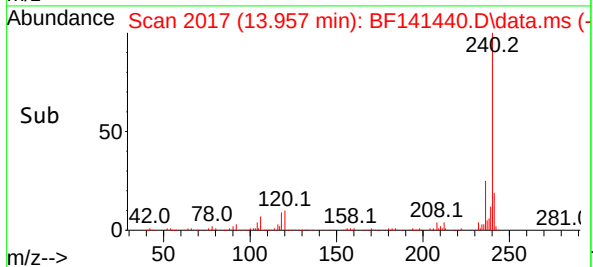
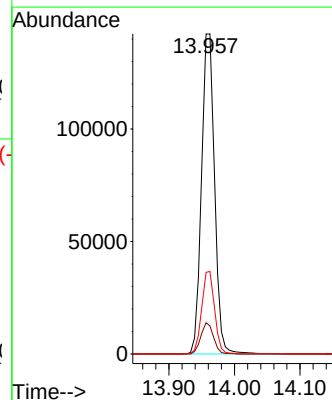
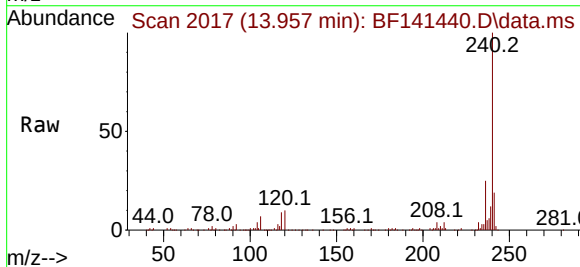
Instrument :
BNA_F
ClientSampleId :
PB166418BL

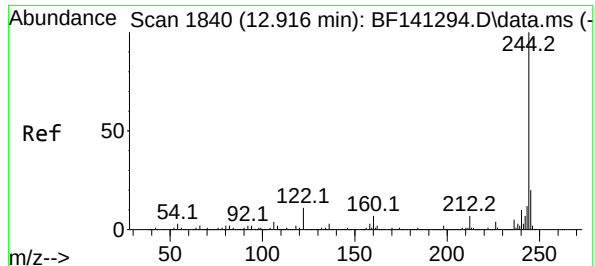
Tgt Ion:188 Resp: 280778
Ion Ratio Lower Upper
188 100
94 8.0 7.8 11.6
80 8.9 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141440.D
Acq: 05 Feb 2025 12:13

Tgt Ion:240 Resp: 198135
Ion Ratio Lower Upper
240 100
120 9.8 10.0 15.0#
236 25.5 19.7 29.5





#79

Terphenyl-d14

Concen: 94.307 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141440.D

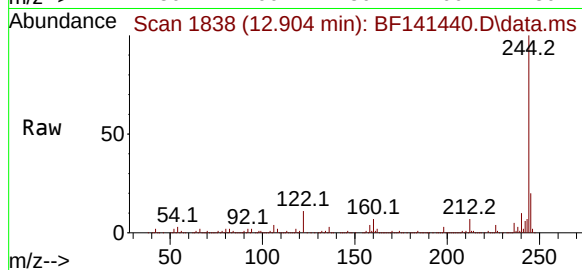
Acq: 05 Feb 2025 12:13

Instrument :

BNA_F

ClientSampleId :

PB166418BL



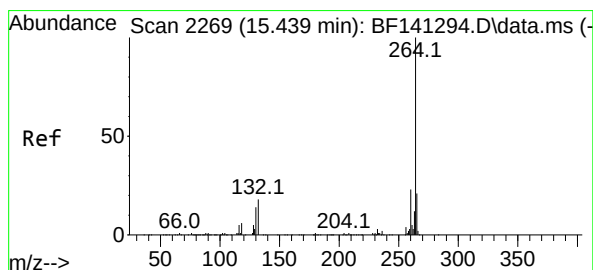
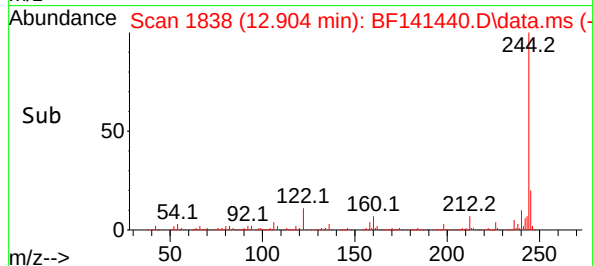
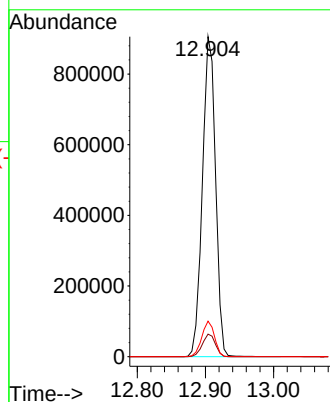
Tgt Ion:244 Resp: 1211621

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 11.1 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF141440.D

Acq: 05 Feb 2025 12:13

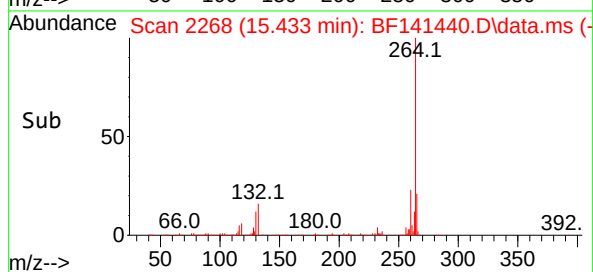
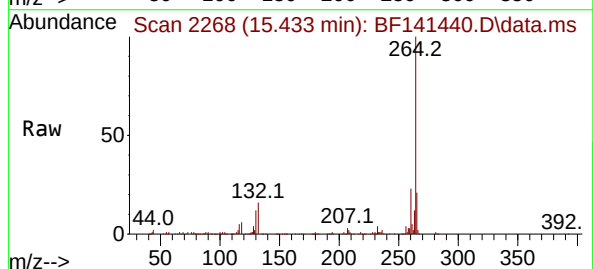
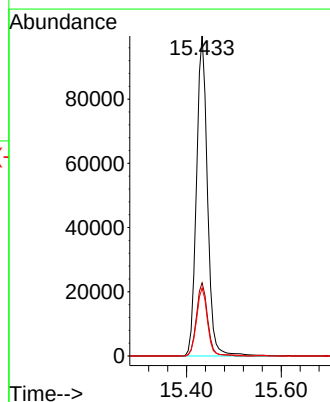
Tgt Ion:264 Resp: 160441

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 21.2 16.7 25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141440.D
 Acq On : 05 Feb 2025 12:13
 Operator : RC/JU
 Sample : PB166418BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166418BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141440.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	7	14	24	rVB	53016	87353	2.71%	0.476%
2	5.016	490	497	506	rBV	31034	50336	1.56%	0.274%
3	5.416	559	565	583	rBV	1906037	2521828	78.28%	13.728%
4	6.428	731	737	758	rBV	1857172	2536085	78.72%	13.805%
5	6.786	793	798	805	rBV	385330	473439	14.70%	2.577%
6	7.351	887	894	899	rBV	1232306	1683724	52.26%	9.165%
7	8.069	1011	1016	1028	rBV	469266	613349	19.04%	3.339%
8	9.145	1193	1199	1217	rBV	2177009	3015931	93.62%	16.417%
9	9.827	1309	1315	1328	rVB	530103	688860	21.38%	3.750%
10	10.616	1443	1449	1468	rBV	1378496	1843604	57.23%	10.036%
11	11.316	1562	1568	1575	rBV	530508	688986	21.39%	3.750%
12	12.904	1832	1838	1843	rBV	2439901	3221619	100.00%	17.537%
13	13.957	2012	2017	2026	rBV	382832	521340	16.18%	2.838%
14	15.433	2262	2268	2281	rBV	263717	424100	13.16%	2.309%

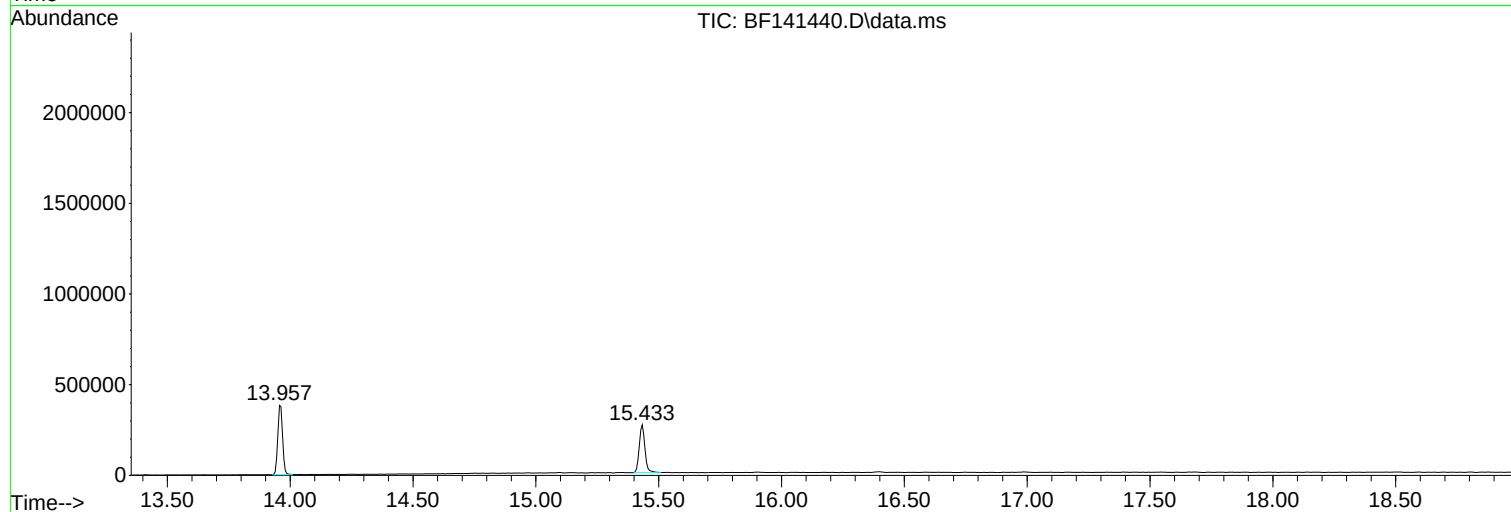
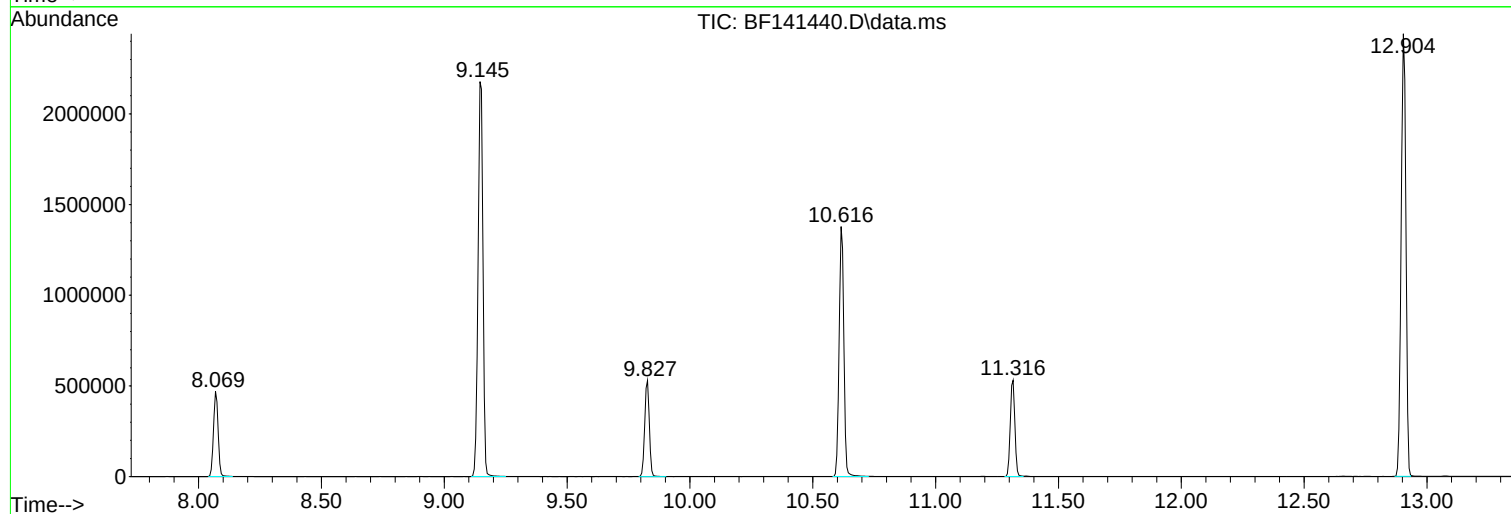
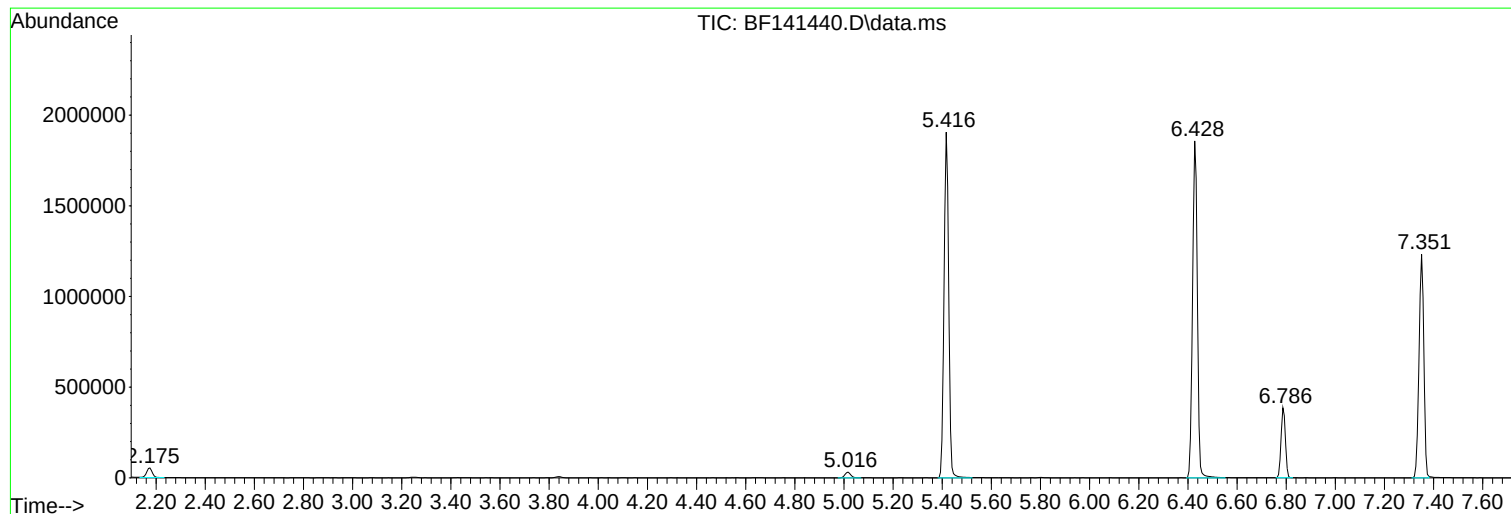
Sum of corrected areas: 18370554

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

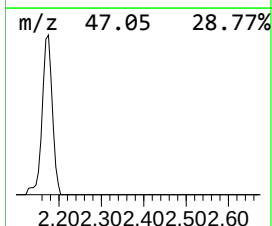
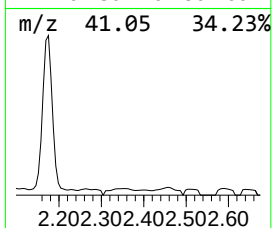
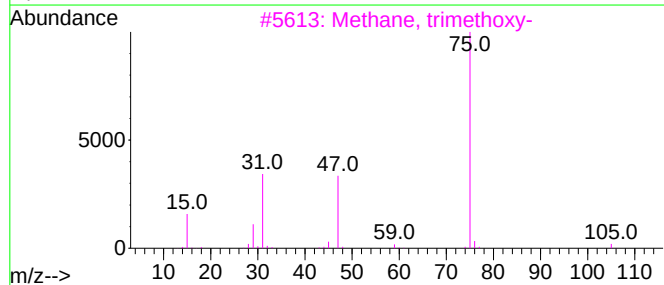
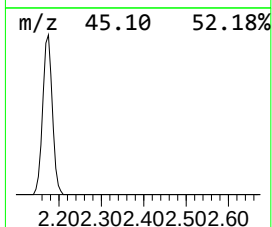
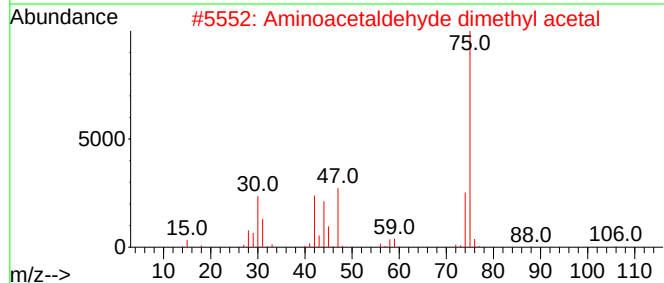
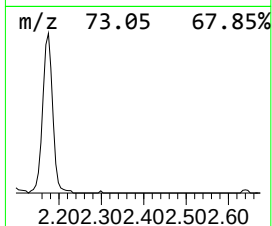
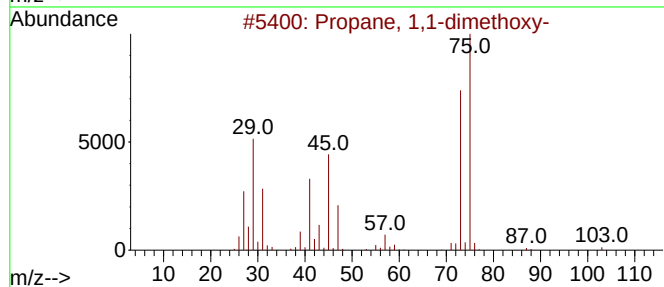
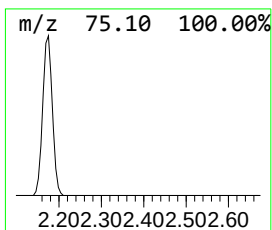
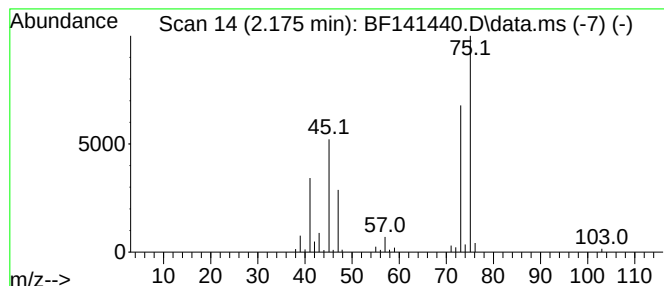
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	3.69 ng	87353	1,4-Dichlorobenzene-d4	6.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2			Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3			Methane, trimethoxy-	106	C4H10O3	000149-73-5	33
4			Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	33
5			2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

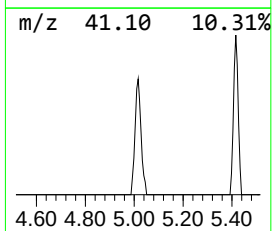
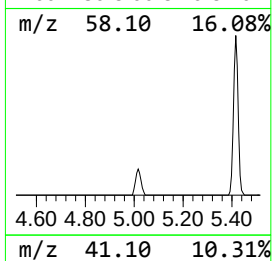
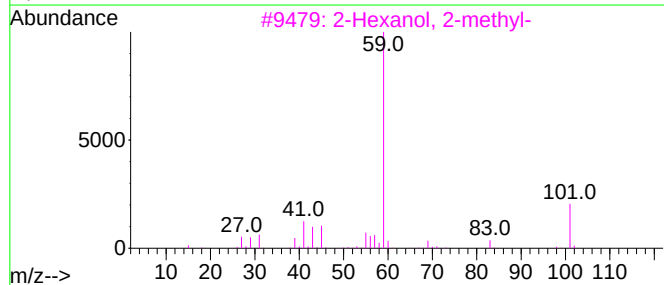
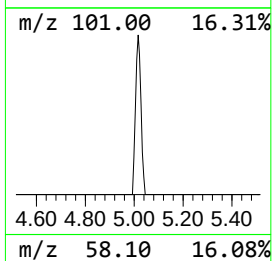
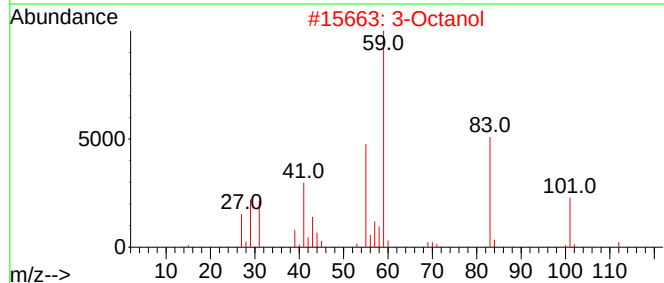
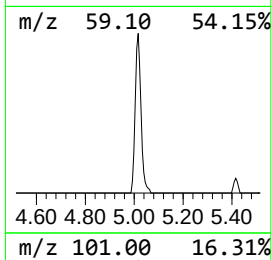
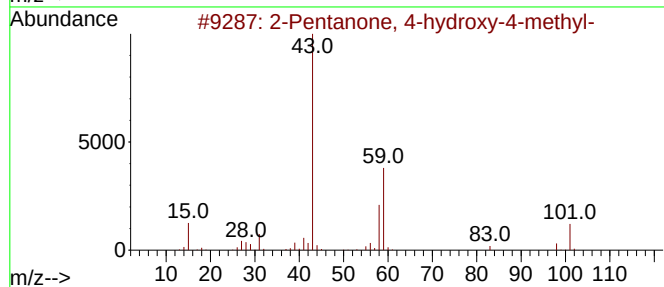
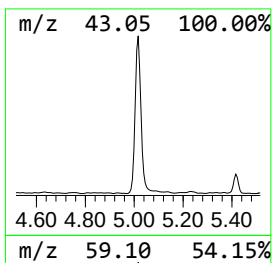
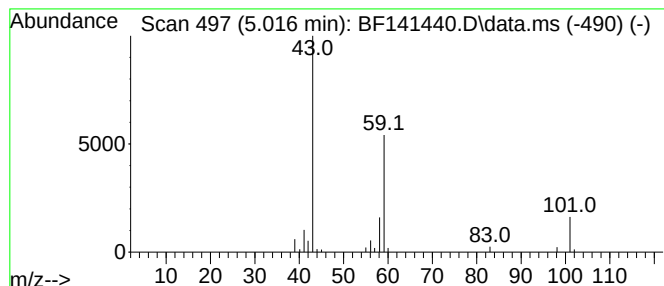
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.016	2.13 ng	50336	1,4-Dichlorobenzene-d4	6.786

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			3-Octanol	130	C8H18O	000589-98-0	36
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141440.D
Acq On : 05 Feb 2025 12:13
Operator : RC/JU
Sample : PB166418BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166418BL

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propane, 1,1-di...	2.175	3.7	ng	87353	1	6.786	473439	20.0
2-Pentanone, 4-...	5.016	2.1	ng	50336	1	6.786	473439	20.0

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1235
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1700		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1700		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1500		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	170	ug/Kg
105-60-2	Caprolactam	1600		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6300	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1235
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	750		89.2	170	ug/Kg
83-32-9	Acenaphthene	1700		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85.0	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1500		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1600		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1400		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.1	170	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166418BS	SDG No.:	Q1235
Lab Sample ID:	PB166418BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141441.D	1	01/31/25 10:20	02/05/25 12:39	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	139		18 - 112	92%	SPK: 150
13127-88-3	Phenol-d6	133		15 - 107	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.1		18 - 107	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.9		20 - 109	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		10 - 116	106%	SPK: 150
1718-51-0	Terphenyl-d14	96.1		10 - 105	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69400	6.793			
1146-65-2	Naphthalene-d8	275000	8.075			
15067-26-2	Acenaphthene-d10	149000	9.828			
1517-22-2	Phenanthrene-d10	260000	11.316			
1719-03-5	Chrysene-d12	178000	13.963			
1520-96-3	Perylene-d12	152000	15.427			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141441.D
 Acq On : 05 Feb 2025 12:39
 Operator : RC/JU
 Sample : PB166418BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 13:13:01 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	69377	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	275008	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	148846	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	260150	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	177509	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	152303	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	626082	138.542	ng	0.00
7) Phenol-d6	6.434	99	763826	132.866	ng	0.00
23) Nitrobenzene-d5	7.357	82	506405	97.073	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	217749	159.573	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	956699	98.931	ng	-0.01
79) Terphenyl-d14	12.904	244	1106131	96.100	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.546	88	75599	38.038	ng	97
3) Pyridine	3.275	79	175601	36.671	ng	95
4) n-Nitrosodimethylamine	3.222	42	125180	45.760	ng	85
6) Aniline	6.451	93	195016	40.075	ng	# 20
8) 2-Chlorophenol	6.581	128	214051	44.192	ng	95
9) Benzaldehyde	6.340	77	166845	50.105	ng	99
10) Phenol	6.445	94	250546	41.113	ng	# 63
11) bis(2-Chloroethyl)ether	6.528	93	191119	40.902	ng	98
12) 1,3-Dichlorobenzene	6.728	146	223851	41.915	ng	98
13) 1,4-Dichlorobenzene	6.810	146	227663	42.433	ng	100
14) 1,2-Dichlorobenzene	6.957	146	218639	43.520	ng	99
15) Benzyl Alcohol	6.934	79	187415	47.704	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	326923	40.236	ng	60
17) 2-Methylphenol	7.051	107	163161	41.447	ng	# 92
18) Hexachloroethane	7.304	117	86475	43.691	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	148391	43.440	ng	99
20) 3+4-Methylphenols	7.204	107	213301	44.129	ng	# 89
22) Acetophenone	7.198	105	326794	49.992	ng	# 99
24) Nitrobenzene	7.375	77	223580	41.357	ng	99
25) Isophorone	7.610	82	392516	43.528	ng	98
26) 2-Nitrophenol	7.692	139	111383	43.686	ng	93
27) 2,4-Dimethylphenol	7.734	122	175282m	54.012	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	232249	40.377	ng	99
29) 2,4-Dichlorophenol	7.939	162	174012	43.800	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	189899	41.854	ng	100
31) Naphthalene	8.092	128	616346	42.425	ng	100
32) Benzoic acid	7.857	122	132904	44.550	ng	94
33) 4-Chloroaniline	8.145	127	86266	17.511	ng	99
34) Hexachlorobutadiene	8.210	225	121256	45.572	ng	98
35) Caprolactam	8.510	113	60874m	46.916	ng	
36) 4-Chloro-3-methylphenol	8.639	107	192987	45.286	ng	95
37) 2-Methylnaphthalene	8.787	142	385885	41.791	ng	99
38) 1-Methylnaphthalene	8.886	142	374851	41.327	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	208801	49.310	ng	98
41) Hexachlorocyclopentadiene	8.939	237	234691	187.667	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	122828	44.316	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141441.D
 Acq On : 05 Feb 2025 12:39
 Operator : RC/JU
 Sample : PB166418BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 13:13:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	130288	43.190	ng	99
46) 1,1'-Biphenyl	9.251	154	560784	48.309	ng	99
47) 2-Chloronaphthalene	9.275	162	376896	41.655	ng	99
48) 2-Nitroaniline	9.375	65	127531	44.811	ng	97
49) Acenaphthylene	9.692	152	589227	46.522	ng	99
50) Dimethylphthalate	9.551	163	444390	44.205	ng	99
51) 2,6-Dinitrotoluene	9.616	165	97978	41.975	ng	96
52) Acenaphthene	9.863	154	451686m	49.920	ng	
53) 3-Nitroaniline	9.781	138	51651	22.577	ng	95
54) 2,4-Dinitrophenol	9.898	184	119325	109.971	ng	93
55) Dibenzofuran	10.033	168	542317	44.777	ng	96
56) 4-Nitrophenol	9.963	139	161953	96.797	ng	89
57) 2,4-Dinitrotoluene	10.022	165	137488	45.494	ng	92
58) Fluorene	10.381	166	426432	45.391	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	116286	48.999	ng	98
60) Diethylphthalate	10.257	149	432760	44.397	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	208783	45.496	ng	97
62) 4-Nitroaniline	10.398	138	98361	43.732	ng	87
63) Azobenzene	10.533	77	421756	43.226	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	78817	51.220	ng	93
66) n-Nitrosodiphenylamine	10.492	169	368342	43.776	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	127084	43.635	ng	100
68) Hexachlorobenzene	10.928	284	135690	43.921	ng	98
69) Atrazine	11.022	200	145946	51.878	ng	99
70) Pentachlorophenol	11.128	266	169701	93.804	ng	98
71) Phenanthrene	11.339	178	649036	46.412	ng	100
72) Anthracene	11.392	178	658430	48.054	ng	100
73) Carbazole	11.551	167	573702	47.219	ng	99
74) Di-n-butylphthalate	11.880	149	678626	46.089	ng	99
75) Fluoranthene	12.533	202	677532	49.069	ng	98
77) Benzidine	12.657	184	261130	45.887	ng	98
78) Pyrene	12.763	202	693521	40.702	ng	100
80) Butylbenzylphthalate	13.380	149	266479	44.766	ng	99
81) Benzo(a)anthracene	13.951	228	544821	44.478	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	83051	21.318	ng	97
83) Chrysene	13.992	228	460149	40.990	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	338779	44.864	ng	99
85) Di-n-octyl phthalate	14.574	149	485819	41.422	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	452413	46.023	ng	95
88) Benzo(b)fluoranthene	15.010	252	410915	42.892	ng	98
89) Benzo(k)fluoranthene	15.039	252	405647	47.796	ng	98
90) Benzo(a)pyrene	15.368	252	387351	47.846	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	364983	46.150	ng	96
92) Benzo(g,h,i)perylene	17.315	276	348975	42.437	ng	95

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

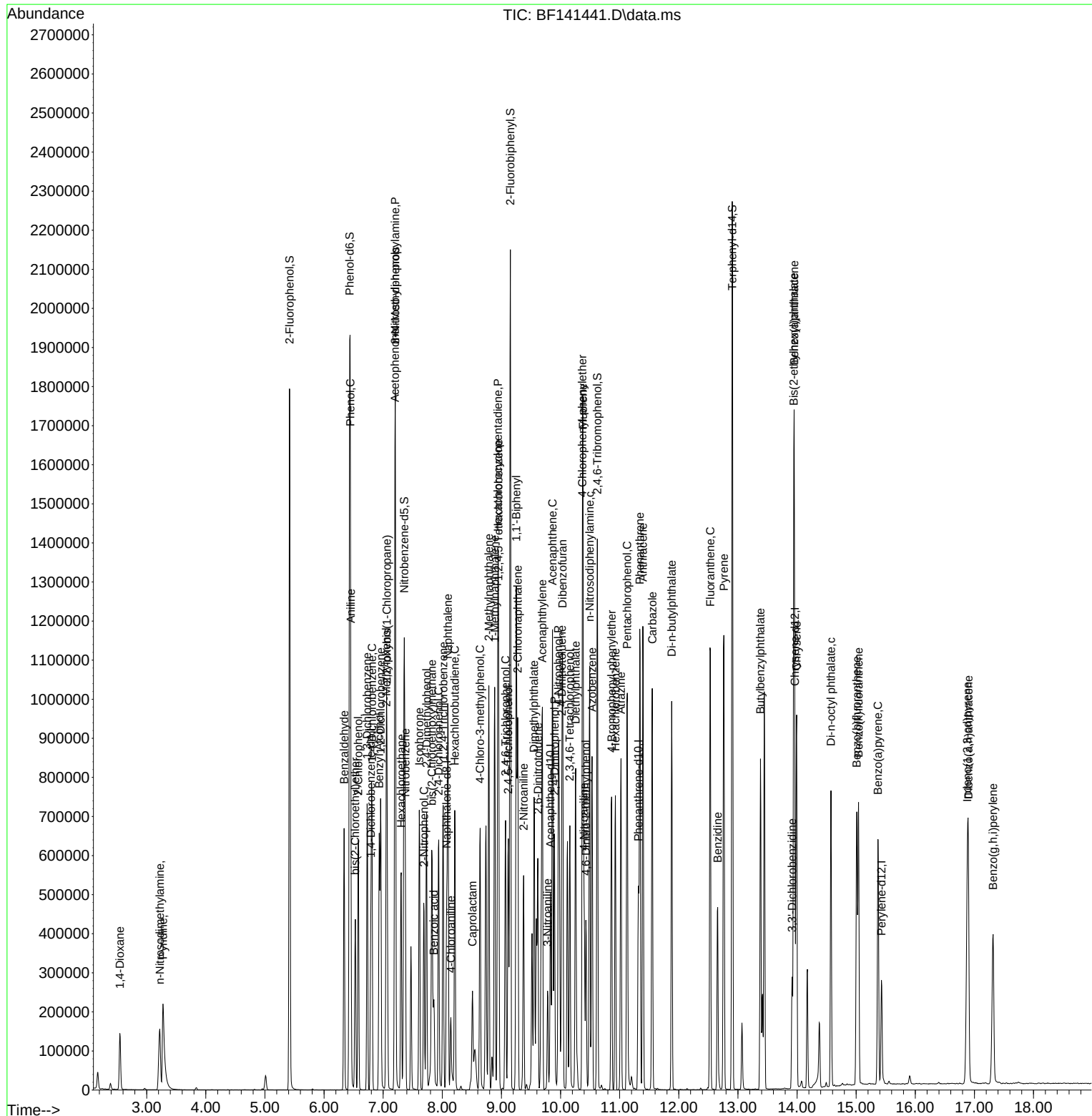
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141441.D
 Acq On : 05 Feb 2025 12:39
 Operator : RC/JU
 Sample : PB166418BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

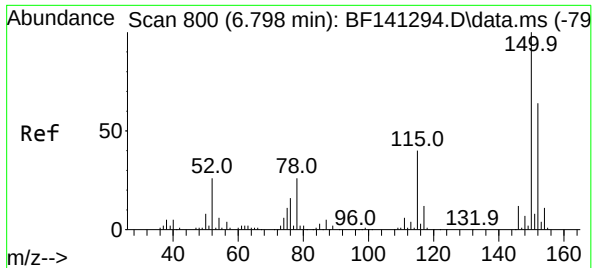
Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

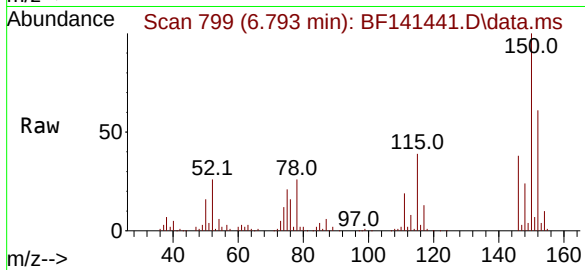
Quant Time: Feb 05 13:13:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

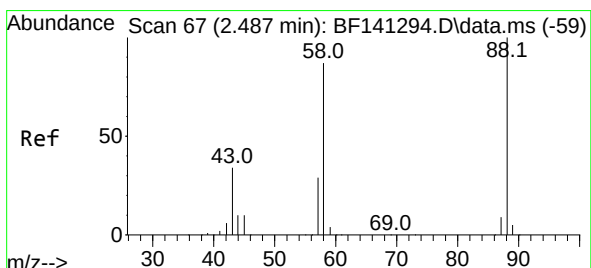
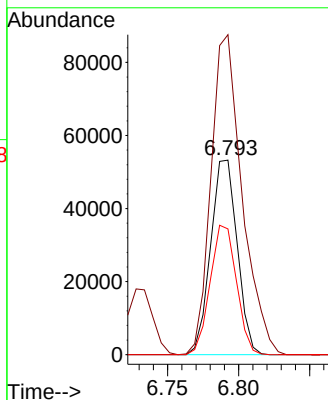
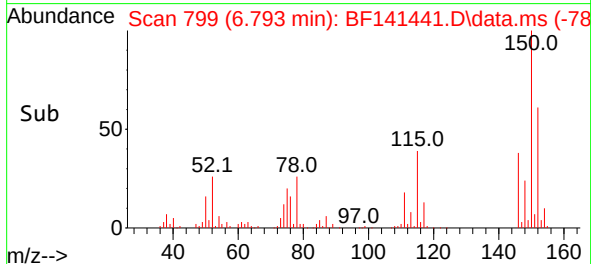
Instrument :
BNA_F
ClientSampleId :
PB166418BS



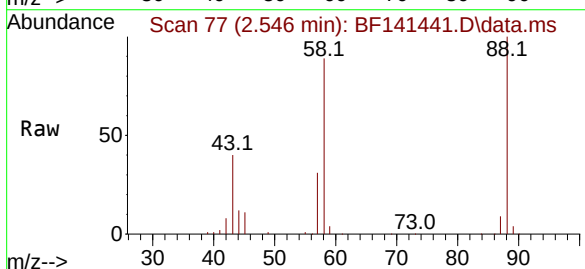
Tgt Ion:152 Resp: 6937
Ion Ratio Lower Upper
152 100
150 164.4 125.9 188.9
115 64.6 49.7 74.5

Manual Integrations
APPROVED

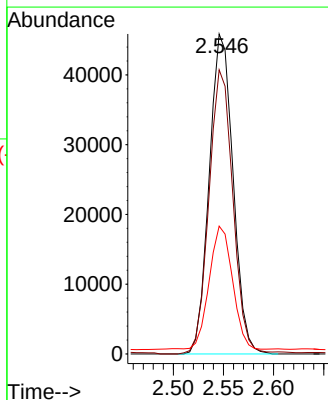
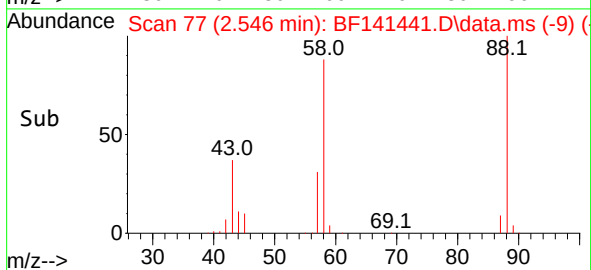
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

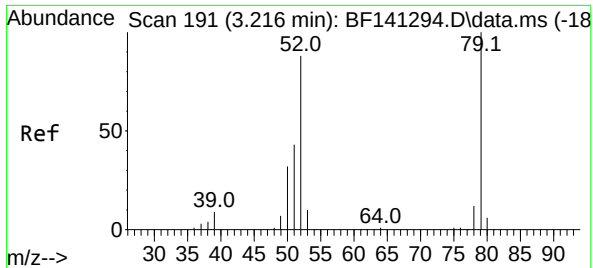


#2
1,4-Dioxane
Concen: 38.038 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.053 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



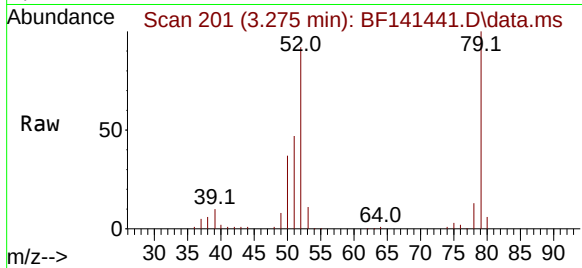
Tgt Ion: 88 Resp: 75599
Ion Ratio Lower Upper
88 100
58 89.8 70.2 105.4
43 38.0 27.6 41.4





#3
Pyridine
Concen: 36.671 ng
RT: 3.275 min Scan# 20
Delta R.T. 0.047 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

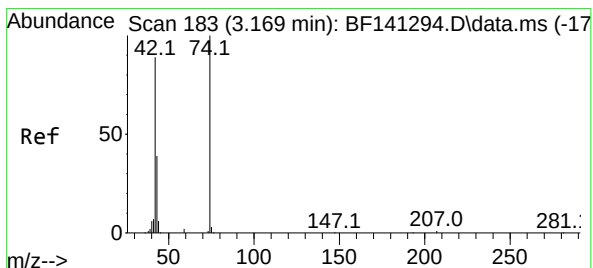
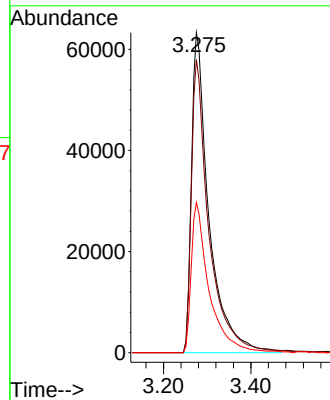
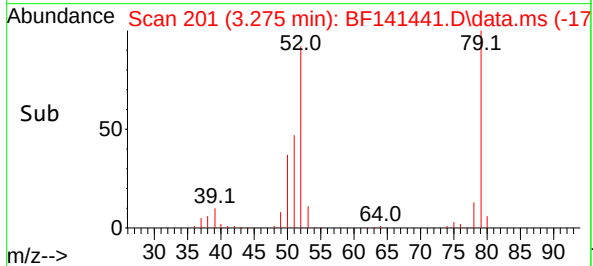
Instrument :
BNA_F
ClientSampleId :
PB166418BS



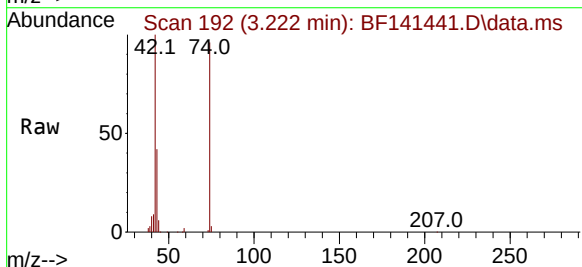
Tgt Ion: 79 Resp: 17560
Ion Ratio Lower Upper
79 100
52 91.6 70.3 105.5
51 47.0 34.3 51.5

Manual Integrations
APPROVED

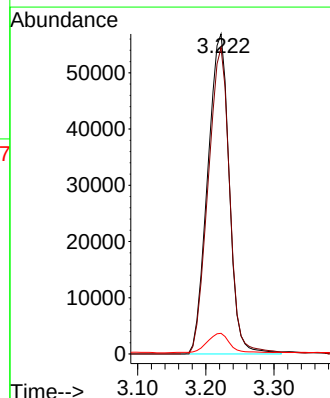
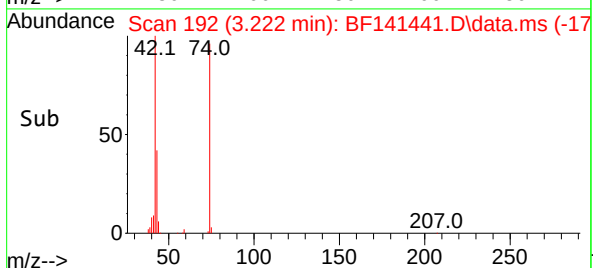
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

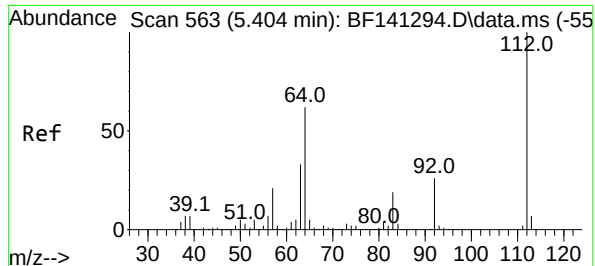


#4
n-Nitrosodimethylamine
Concen: 45.760 ng
RT: 3.222 min Scan# 192
Delta R.T. 0.023 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion: 42 Resp: 125180
Ion Ratio Lower Upper
42 100
74 95.7 90.3 135.5
44 6.5 5.7 8.5





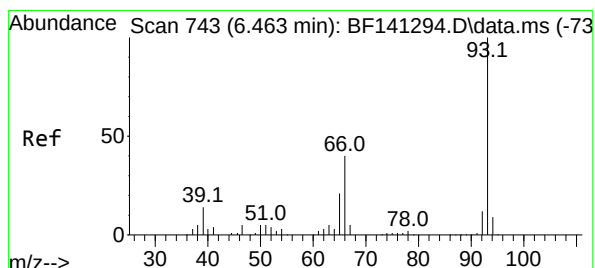
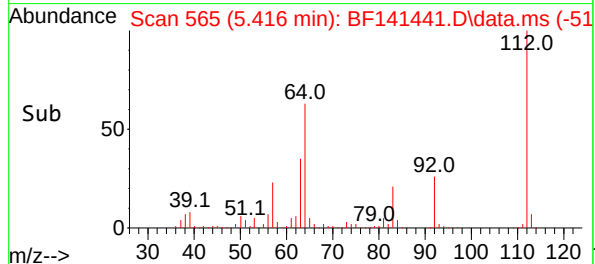
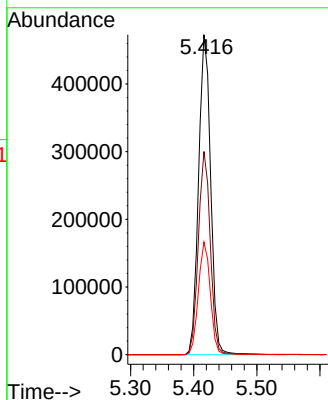
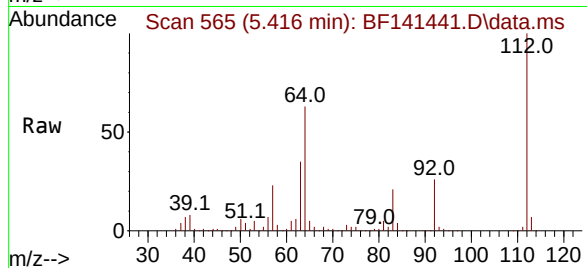
#5
2-Fluorophenol
Concen: 138.542 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:112 Resp: 62608
Ion Ratio Lower Upper
112 100
64 63.5 49.8 74.8
63 35.2 26.1 39.1

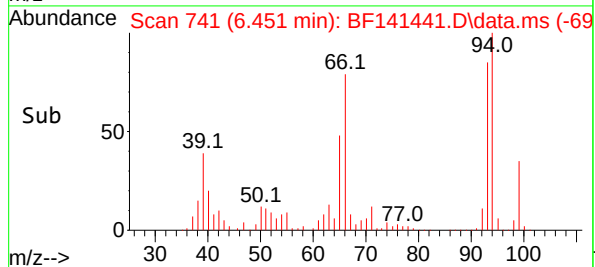
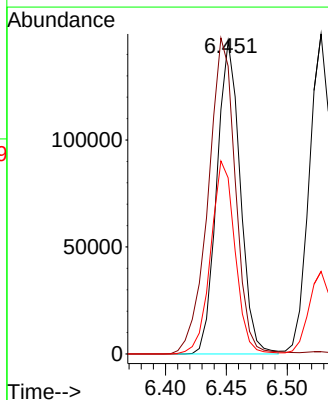
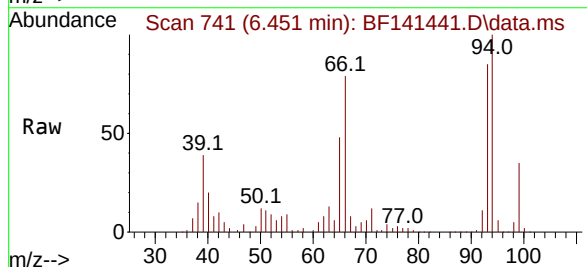
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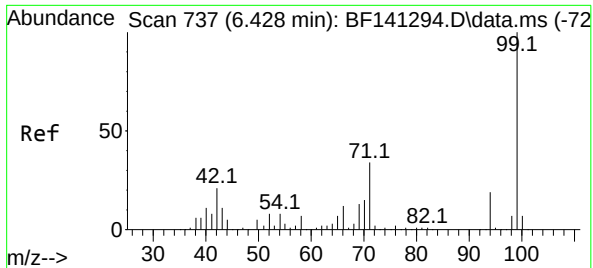
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 40.075 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion: 93 Resp: 195016
Ion Ratio Lower Upper
93 100
66 92.0 32.5 48.7#
65 56.3 17.0 25.6#





#7

Phenol-d6

Concen: 132.866 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion: 99 Resp: 763820

Ion Ratio Lower Upper

99 100

42 23.4 17.1 25.7

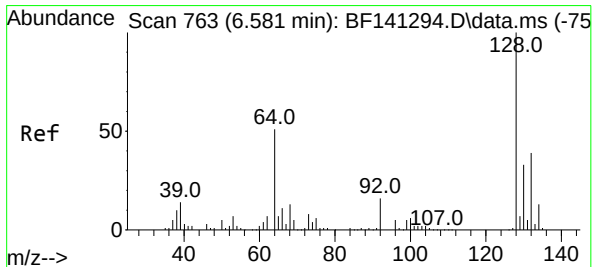
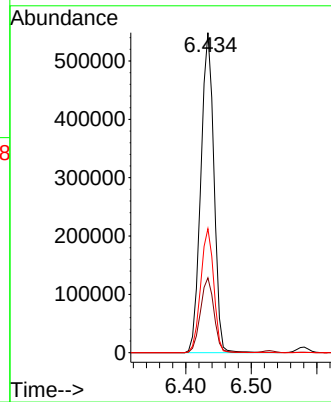
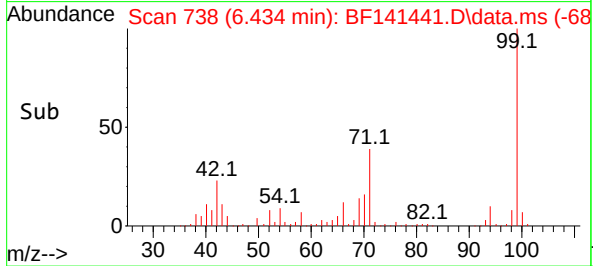
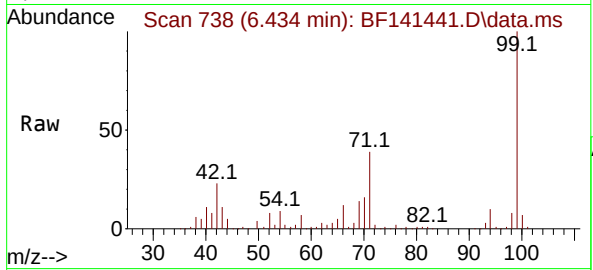
71 38.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#8

2-Chlorophenol

Concen: 44.192 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

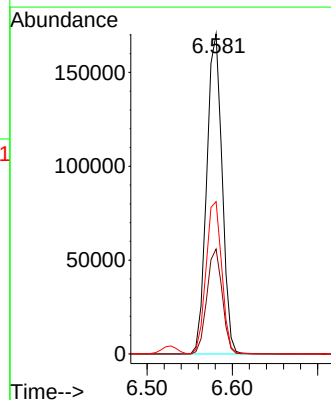
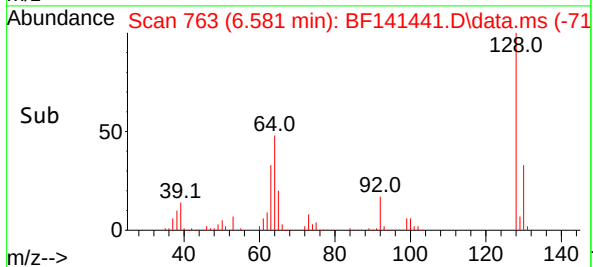
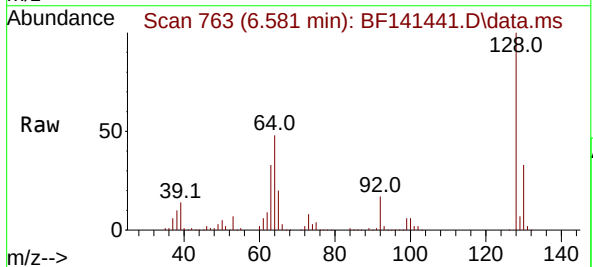
Tgt Ion:128 Resp: 214051

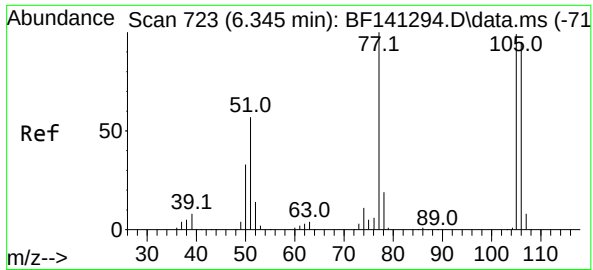
Ion Ratio Lower Upper

128 100

130 32.8 12.5 52.5

64 47.6 32.9 72.9





#9

Benzaldehyde

Concen: 50.105 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion: 77 Resp: 16684

Ion Ratio Lower Upper

77 100

105 97.2 79.4 119.4

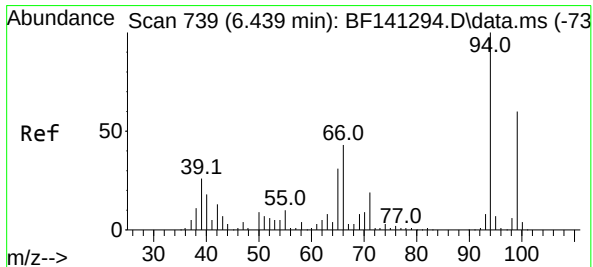
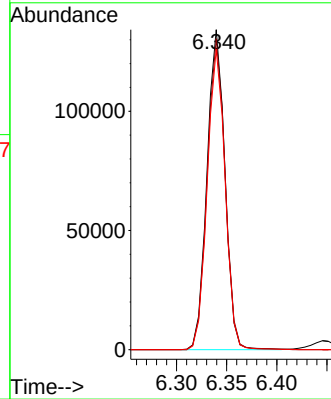
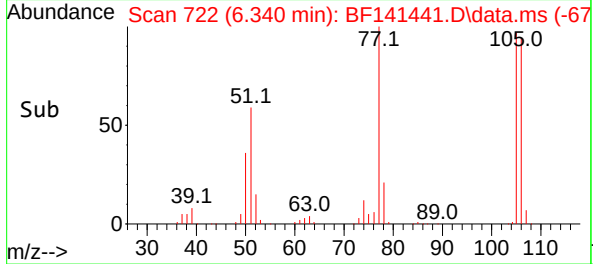
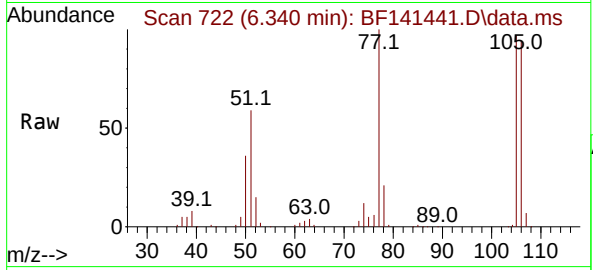
106 93.9 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#10

Phenol

Concen: 41.113 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

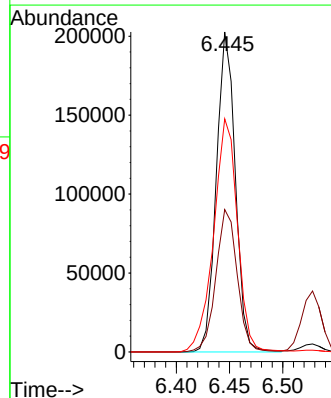
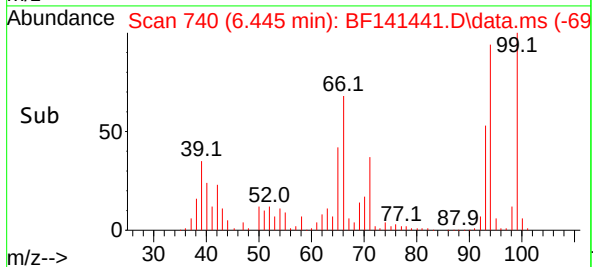
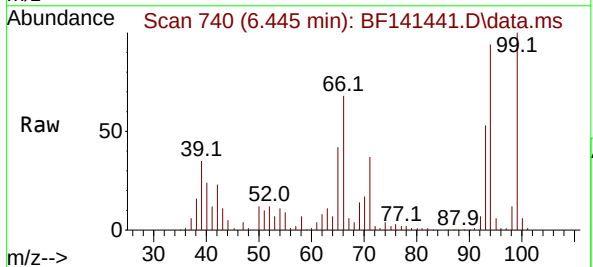
Tgt Ion: 94 Resp: 250546

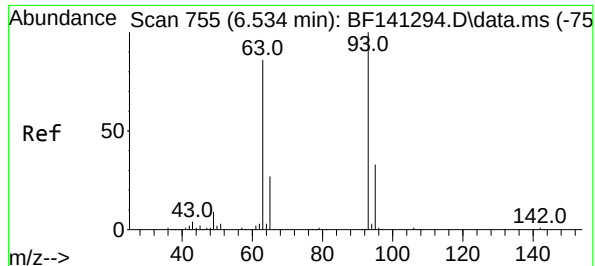
Ion Ratio Lower Upper

94 100

65 44.5 10.8 50.8

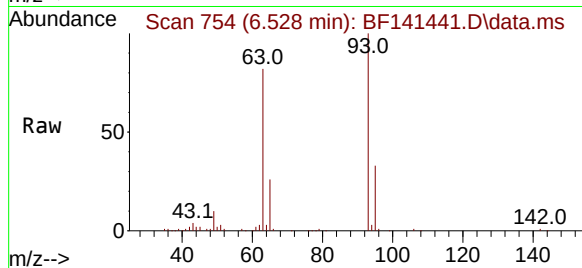
66 72.9 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 40.902 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

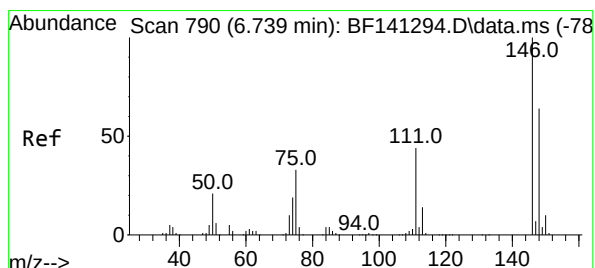
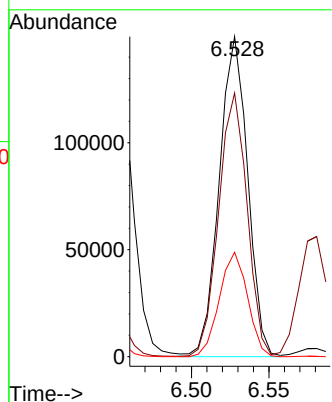
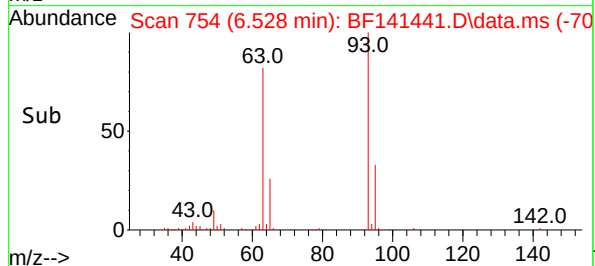
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion: 93 Resp: 191119
Ion Ratio Lower Upper
93 100
63 82.4 65.0 105.0
95 32.6 12.4 52.4

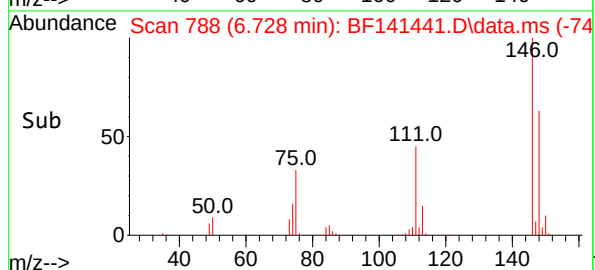
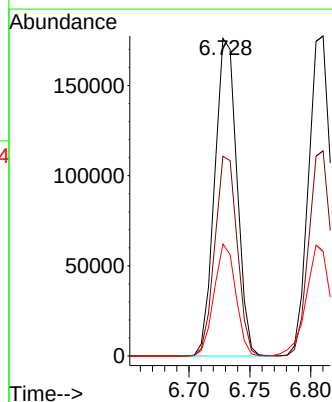
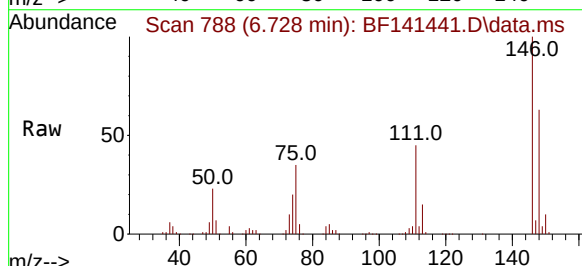
Manual Integrations
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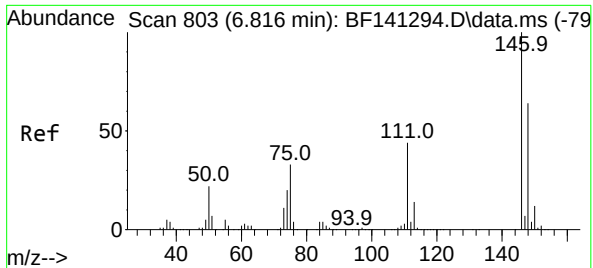
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 41.915 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:146 Resp: 223851
Ion Ratio Lower Upper
146 100
148 62.9 51.2 76.8
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 42.433 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:146 Resp: 22766

Ion Ratio Lower Upper

146 100

148 64.1 51.2 76.8

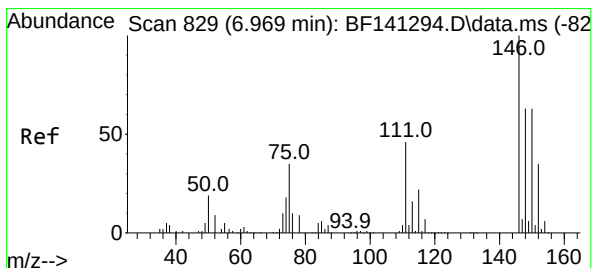
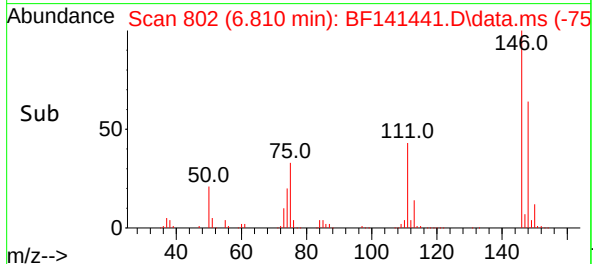
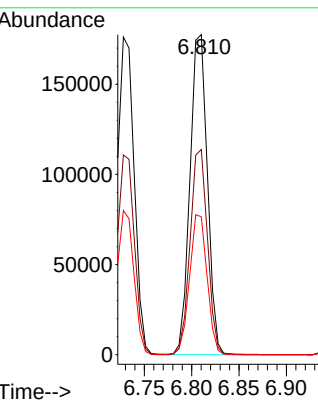
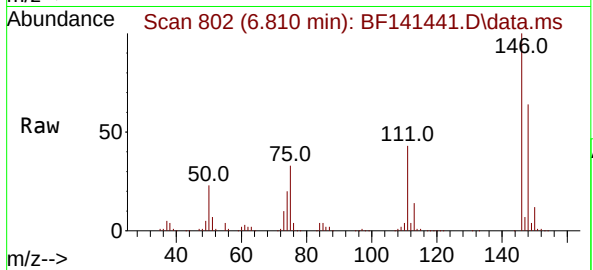
111 43.1 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 43.520 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

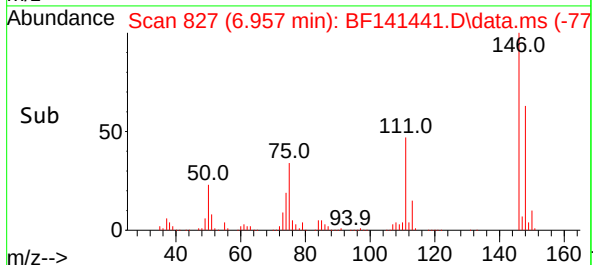
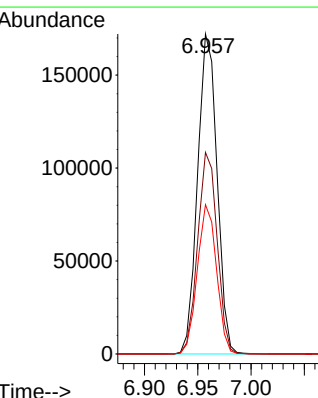
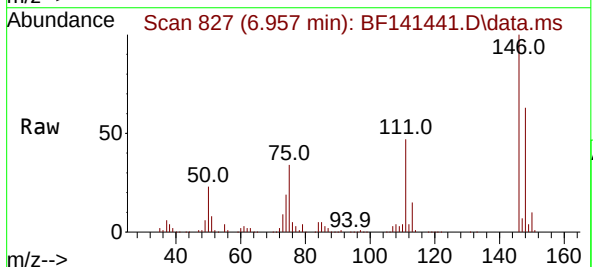
Tgt Ion:146 Resp: 218639

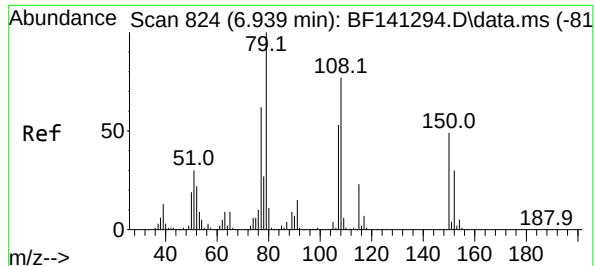
Ion Ratio Lower Upper

146 100

148 63.0 50.5 75.7

111 46.7 36.6 55.0





#15

Benzyl Alcohol

Concen: 47.704 ng

RT: 6.934 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion: 79 Resp: 18741

Ion Ratio Lower Upper

79 100

108 73.3 61.4 92.0

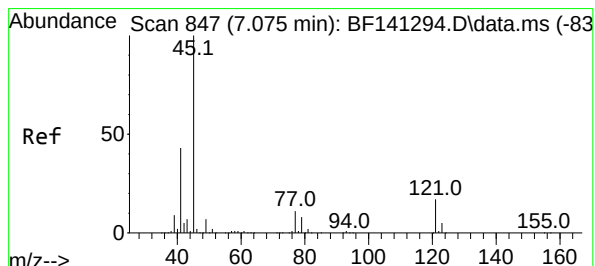
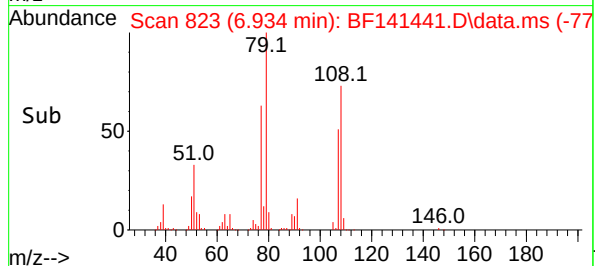
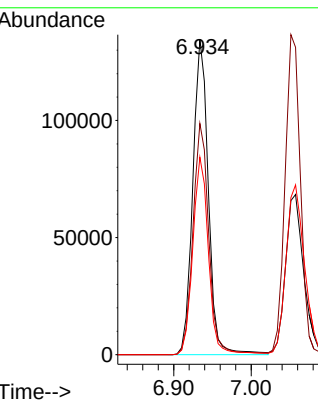
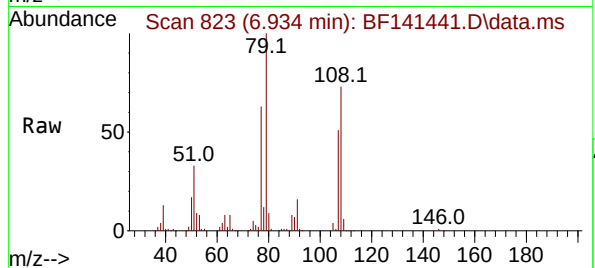
77 62.6 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.236 ng

RT: 7.063 min Scan# 845

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

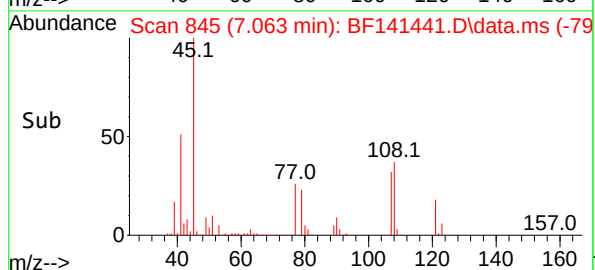
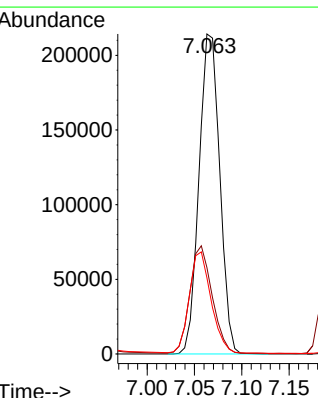
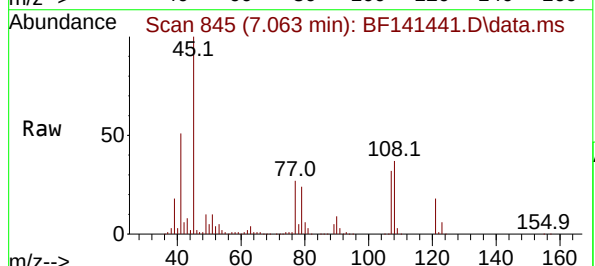
Tgt Ion: 45 Resp: 326923

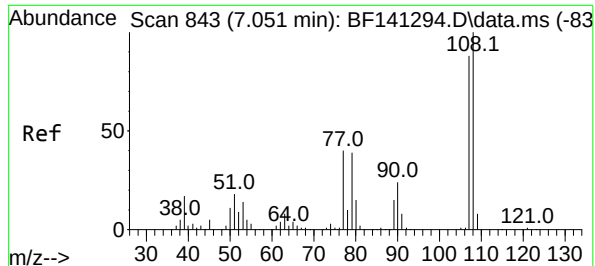
Ion Ratio Lower Upper

45 100

77 27.0 0.0 31.8

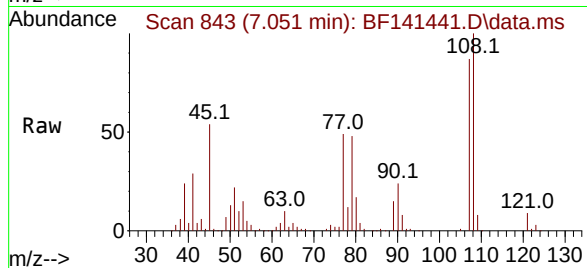
79 23.8 0.0 29.1





#17
2-Methylphenol
Concen: 41.447 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

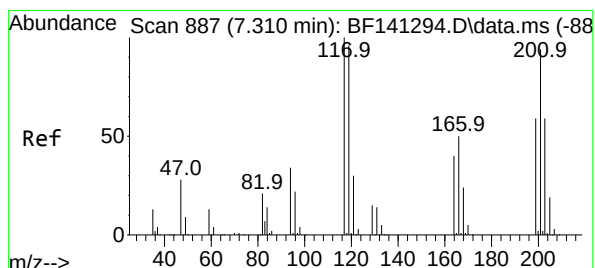
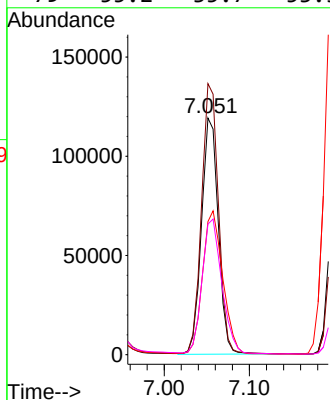
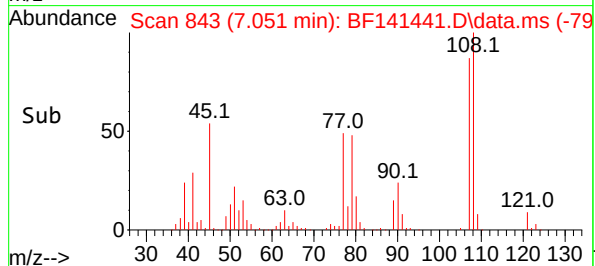
Instrument :
BNA_F
ClientSampleId :
PB166418BS



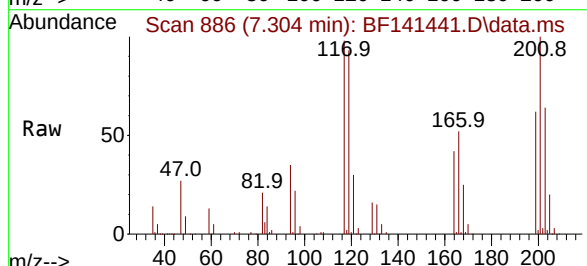
Tgt Ion:107 Resp: 16316
Ion Ratio Lower Upper
107 100
108 114.6 90.8 136.2
77 56.3 36.2 54.4
79 55.2 35.7 53.5#

Manual Integrations
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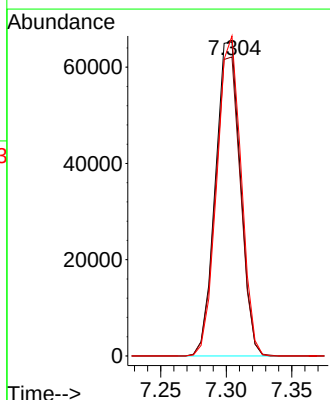
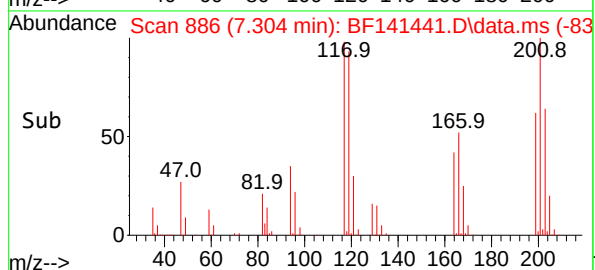
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

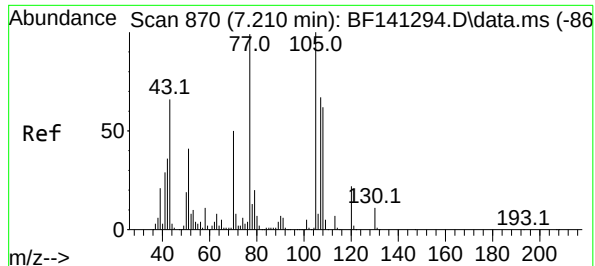


#18
Hexachloroethane
Concen: 43.691 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:117 Resp: 86475
Ion Ratio Lower Upper
117 100
119 95.2 76.6 114.8
201 101.9 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 43.440 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.024 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion: 70 Resp: 14839

Ion Ratio Lower Upper

70 100

42 71.8 56.8 85.2

101 10.0 7.7 11.5

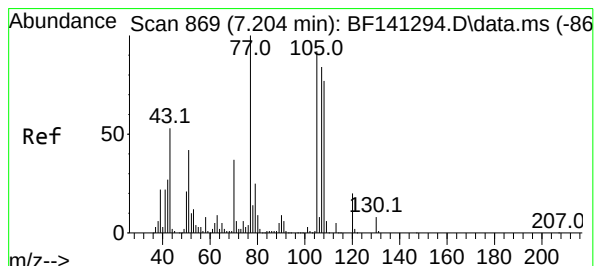
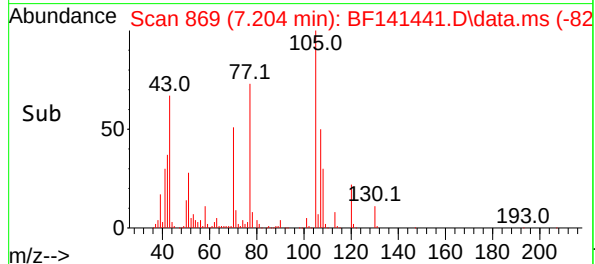
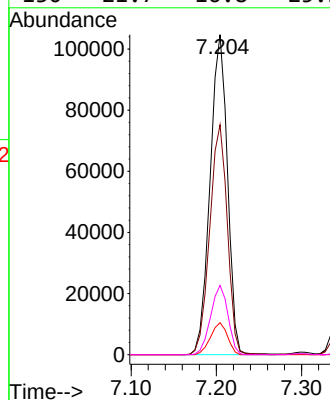
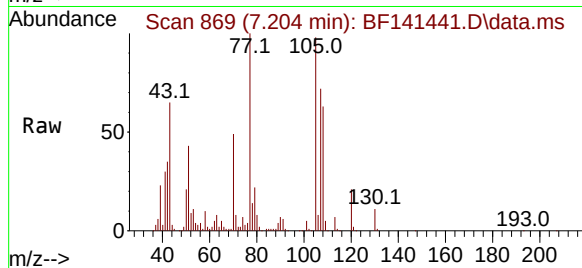
130 21.7 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#20

3+4-Methylphenols

Concen: 44.129 ng

RT: 7.204 min Scan# 869

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Tgt Ion:107 Resp: 213301

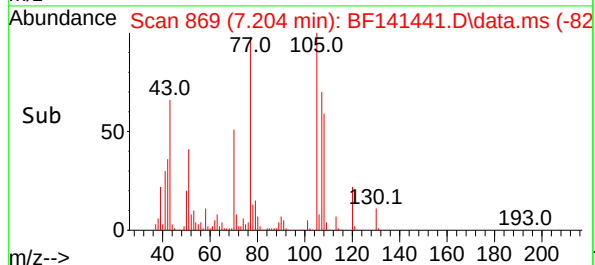
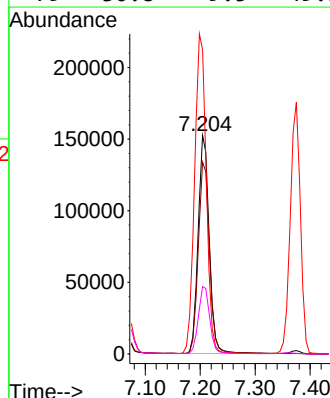
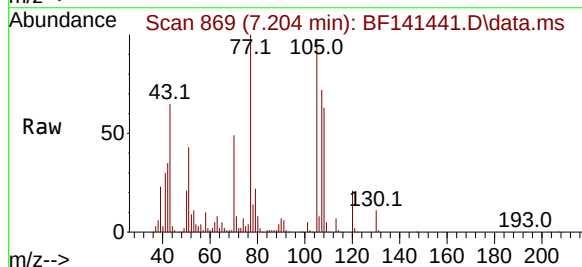
Ion Ratio Lower Upper

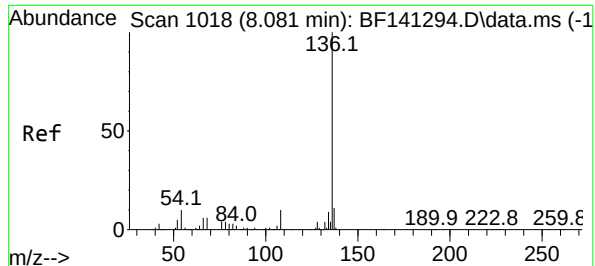
107 100

108 87.8 70.9 110.9

77 139.2 98.5 138.5#

79 30.8 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.012 min

Lab File: BF141441.D

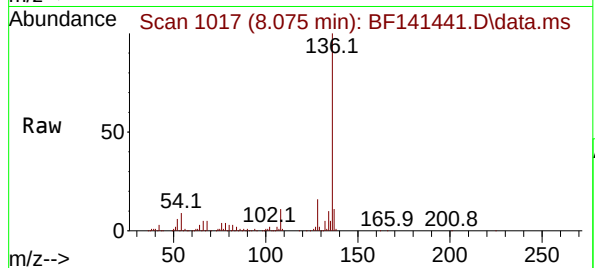
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:136 Resp: 275000

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.9 7.8 11.8

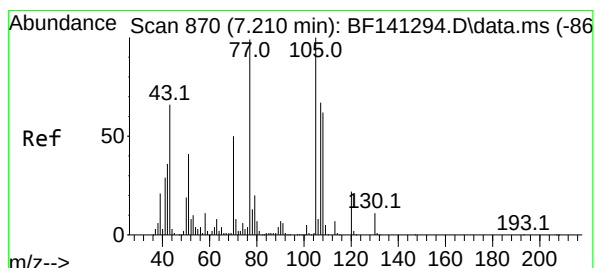
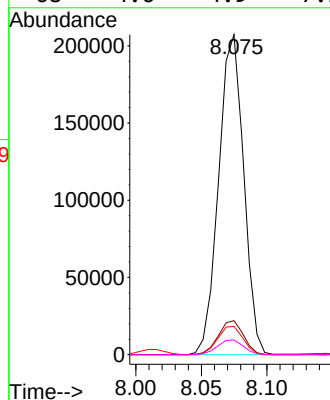
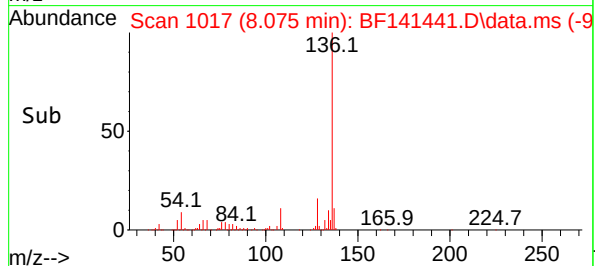
68 4.6 4.9 7.3#

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#22

Acetophenone

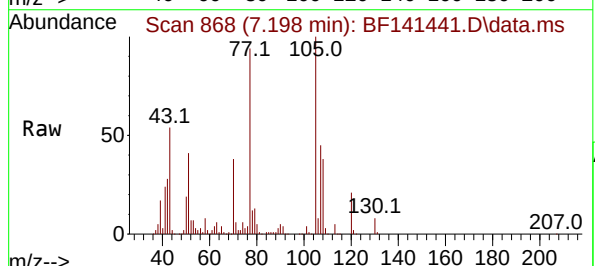
Concen: 49.992 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39



Tgt Ion:105 Resp: 326794

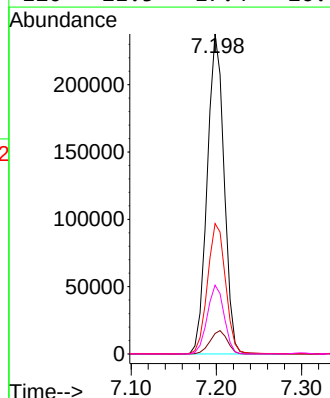
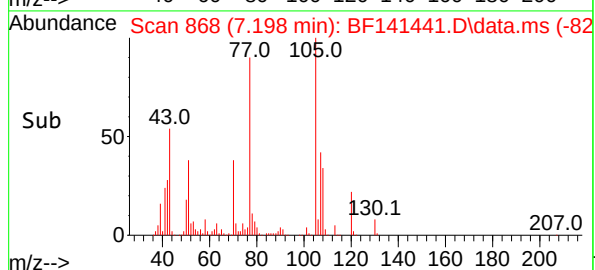
Ion Ratio Lower Upper

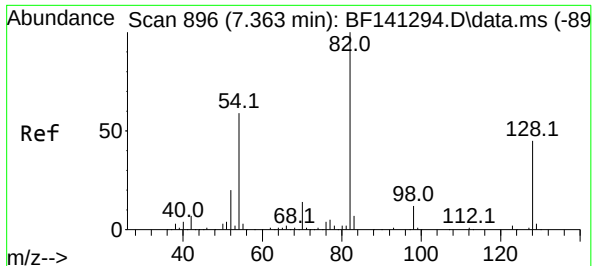
105 100

71 6.4 6.8 10.2#

51 40.7 32.6 49.0

120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 97.073 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion: 82 Resp: 50640

Ion Ratio Lower Upper

82 100

128 43.7 35.7 53.5

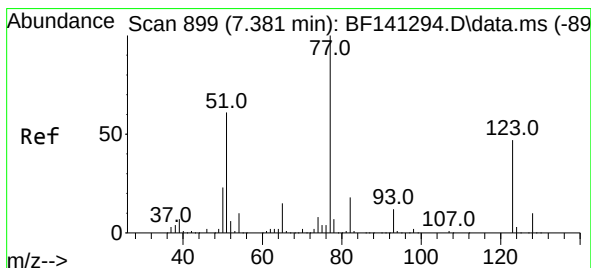
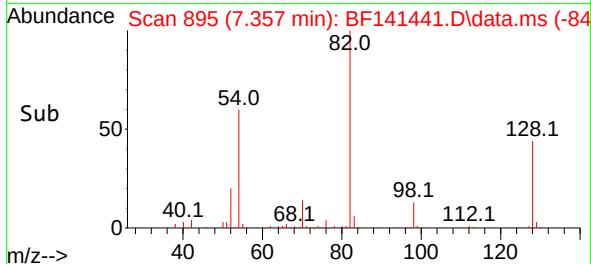
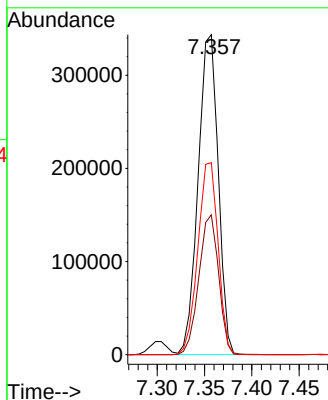
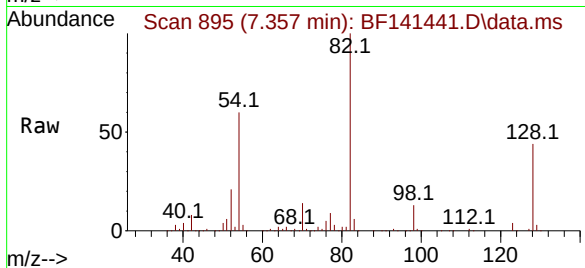
54 60.0 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 41.357 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

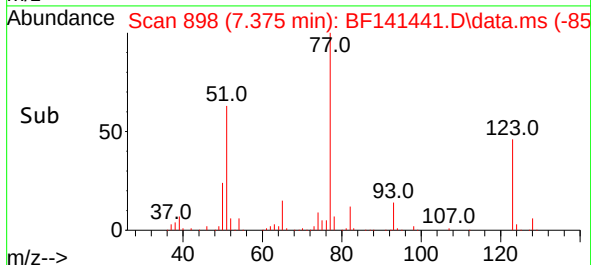
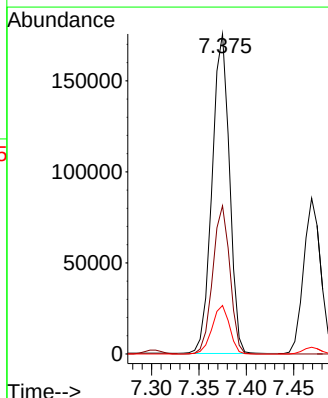
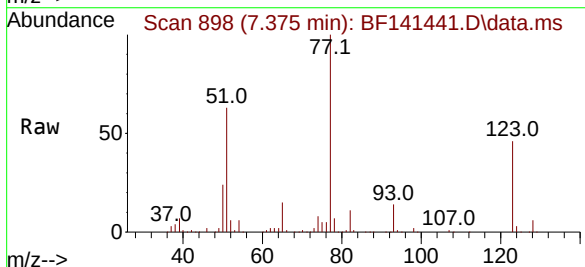
Tgt Ion: 77 Resp: 223580

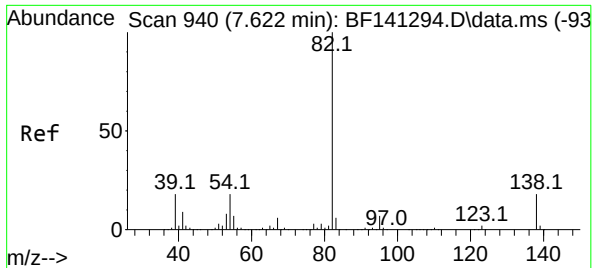
Ion Ratio Lower Upper

77 100

123 46.3 37.3 55.9

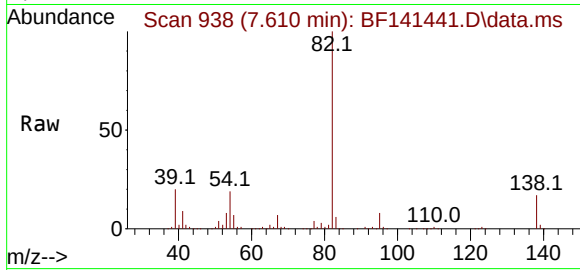
65 15.1 11.8 17.6





#25
Isophorone
Concen: 43.528 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

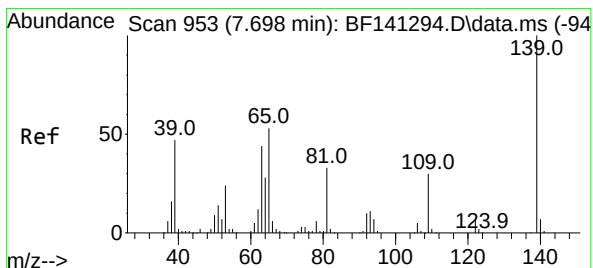
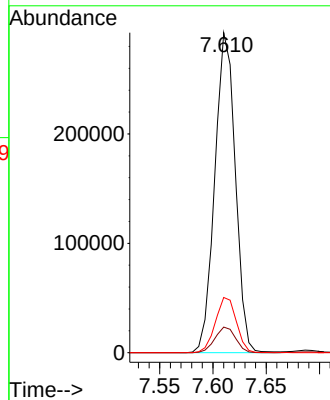
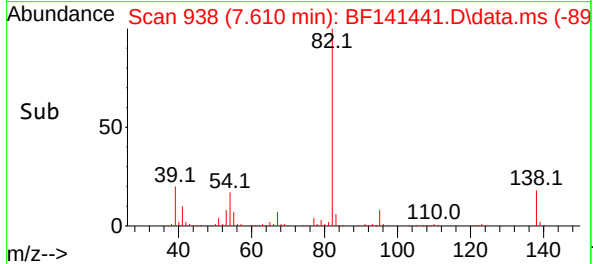
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion: 82 Resp: 392510
Ion Ratio Lower Upper
82 100
95 8.0 5.8 8.6
138 17.3 14.7 22.1

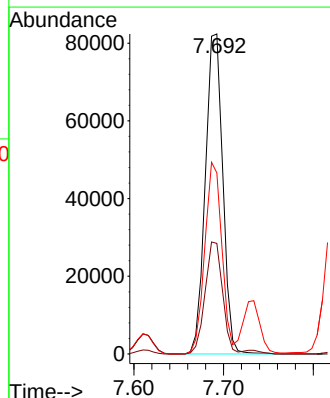
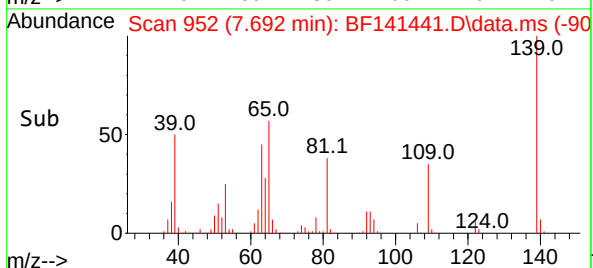
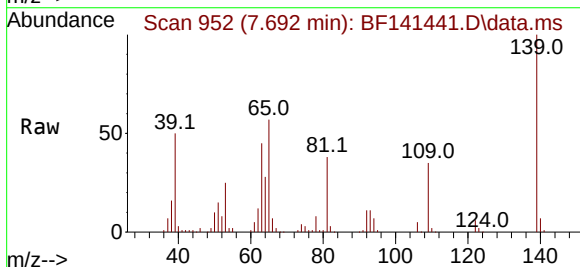
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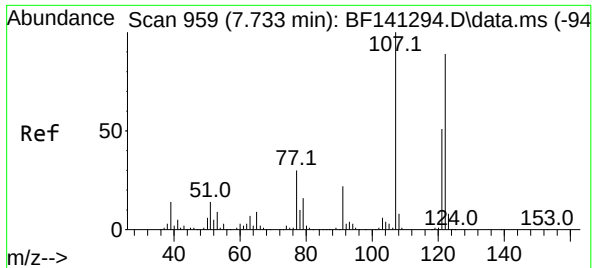
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 43.686 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 111383
Ion Ratio Lower Upper
139 100
109 34.5 23.8 35.6
65 56.6 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.012 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141441.D

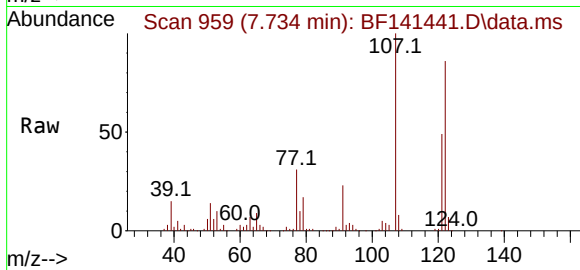
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:122 Resp: 17528

Ion Ratio Lower Upper

122 100

107 116.7 89.9 134.9

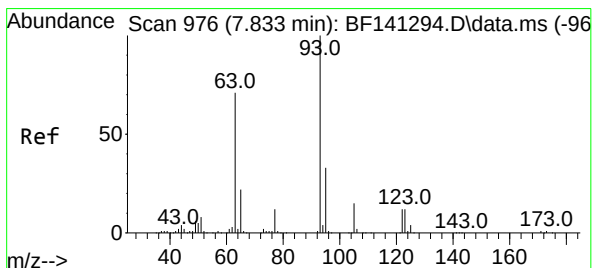
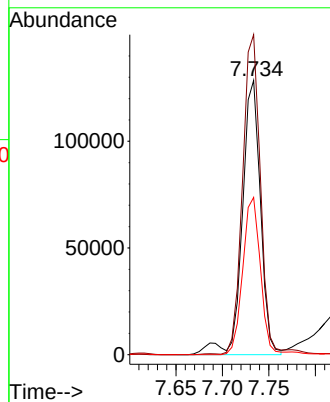
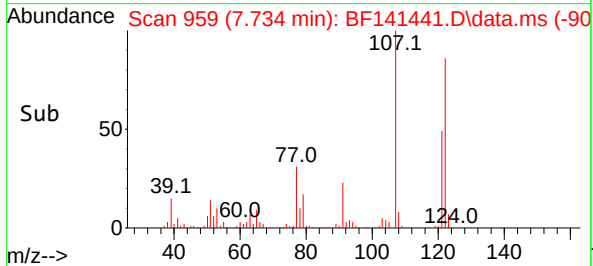
121 57.3 46.1 69.1

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.377 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

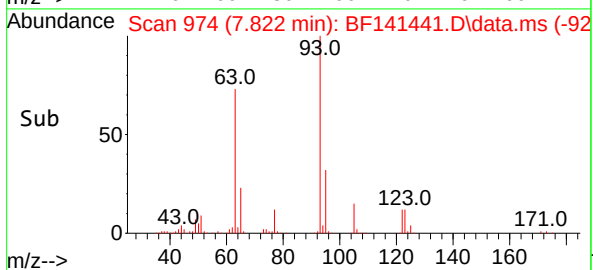
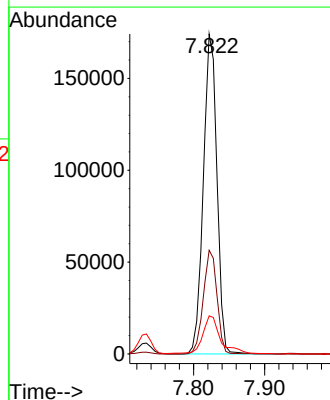
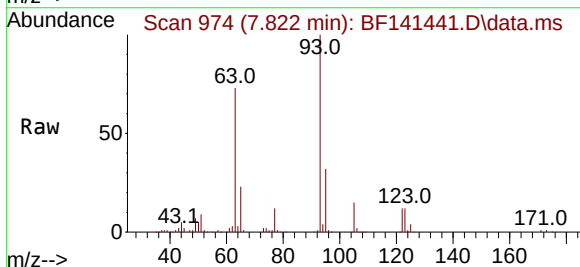
Tgt Ion: 93 Resp: 232249

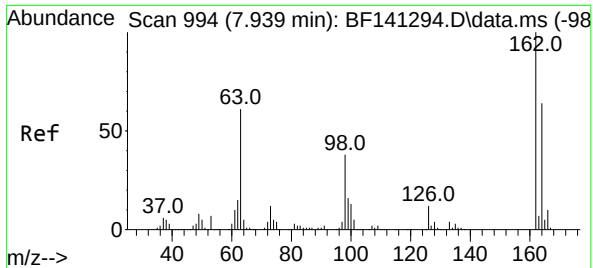
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 11.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 43.800 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:162 Resp: 17401

Ion Ratio Lower Upper

162 100

164 64.7 44.2 84.2

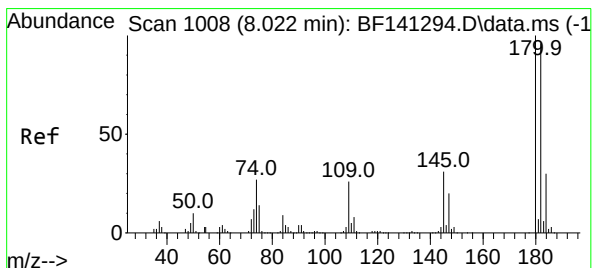
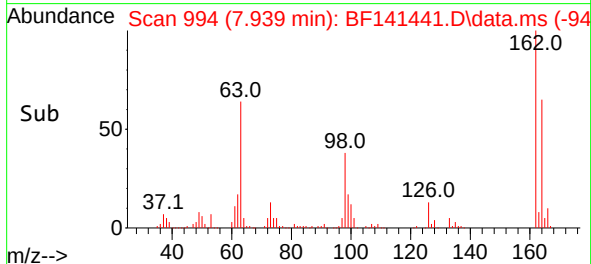
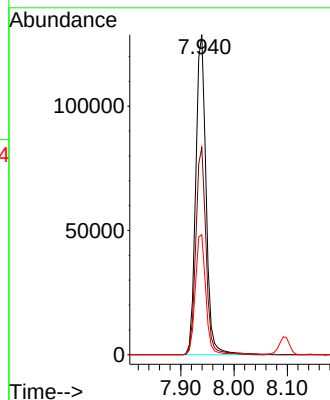
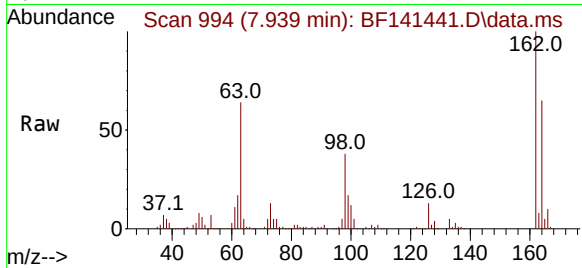
98 37.5 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.854 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

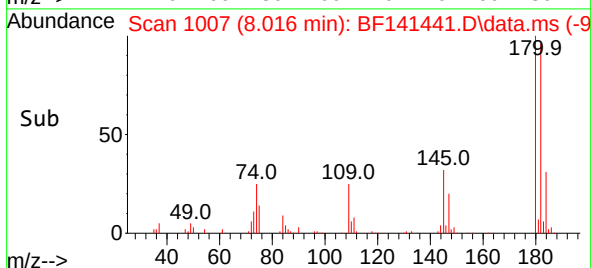
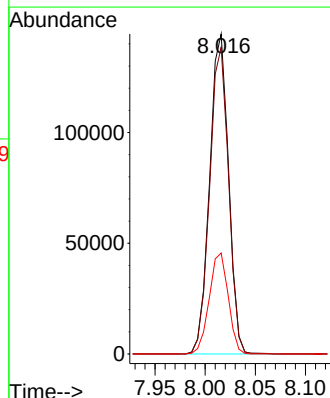
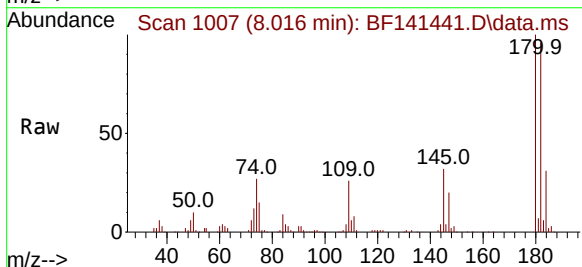
Tgt Ion:180 Resp: 189899

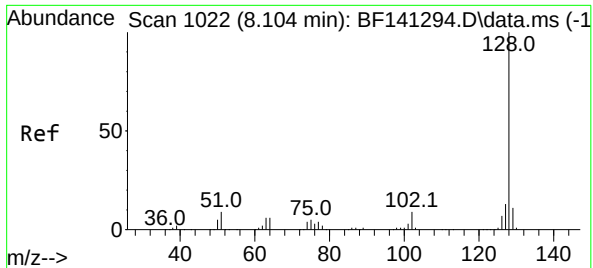
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.5 24.9 37.3





#31

Naphthalene

Concen: 42.425 ng

RT: 8.092 min Scan# 10

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:128 Resp: 616340

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

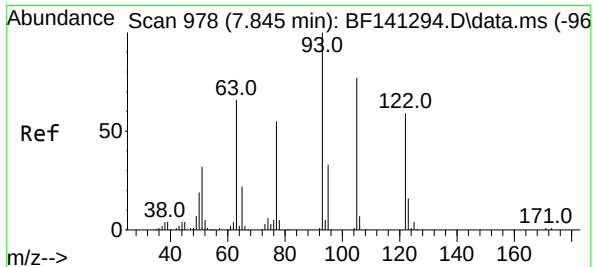
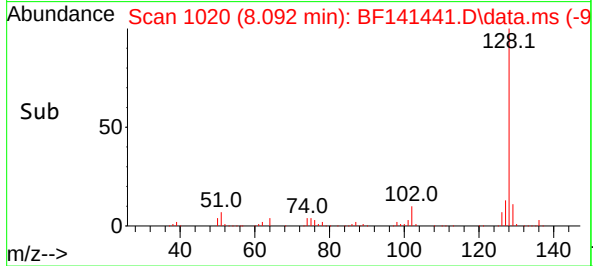
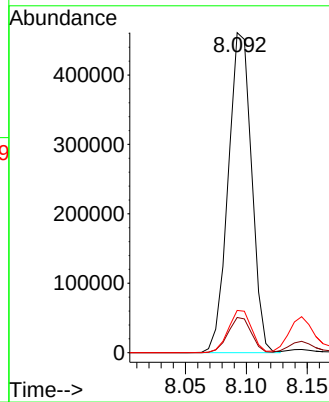
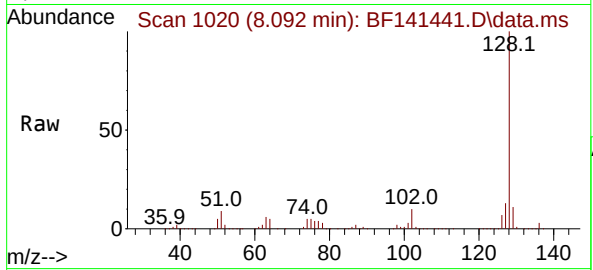
127 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#32

Benzoic acid

Concen: 44.550 ng

RT: 7.857 min Scan# 980

Delta R.T. -0.024 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

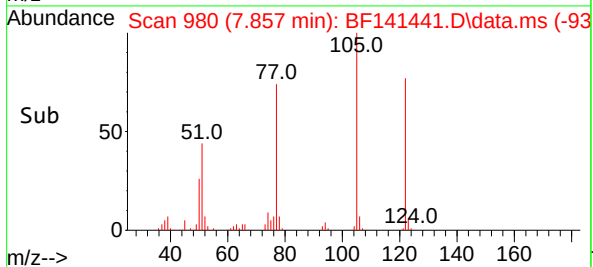
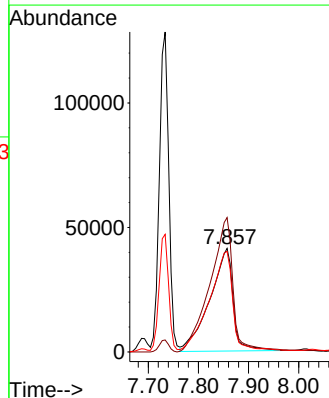
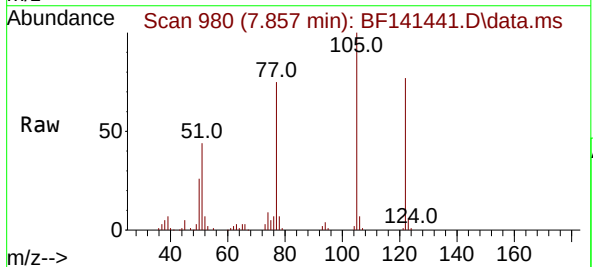
Tgt Ion:122 Resp: 132904

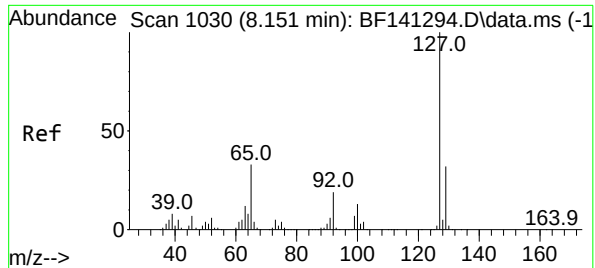
Ion Ratio Lower Upper

122 100

105 129.8 103.4 143.4

77 97.2 70.9 110.9





#33

4-Chloroaniline

Concen: 17.511 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:127 Resp: 86260

Ion Ratio Lower Upper

127 100

129 31.6 25.7 38.5

65 33.3 26.4 39.6

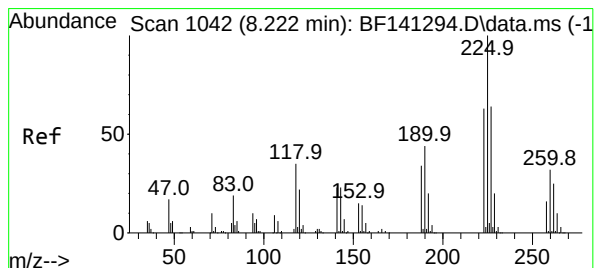
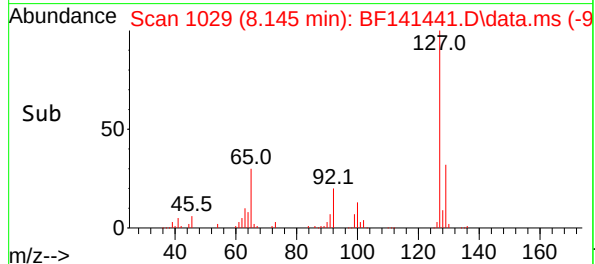
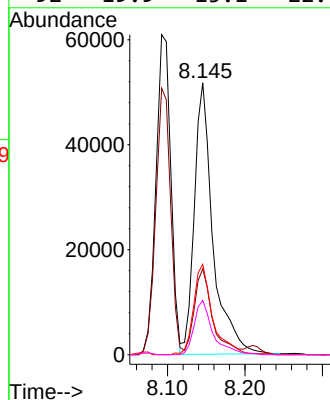
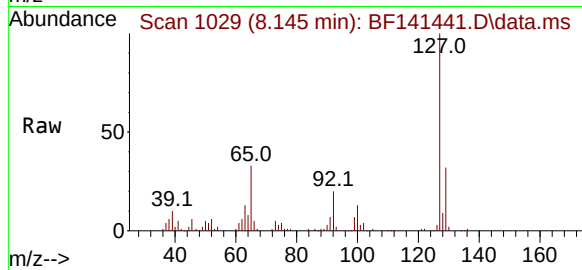
92 19.9 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#34

Hexachlorobutadiene

Concen: 45.572 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

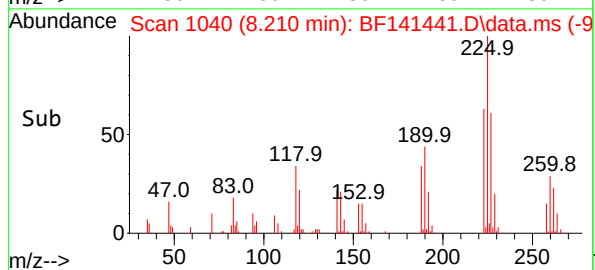
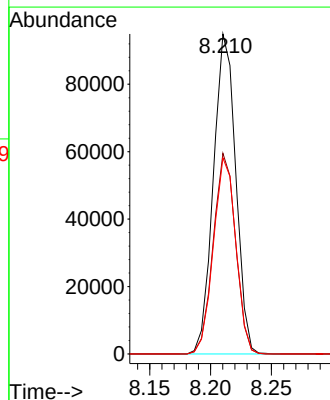
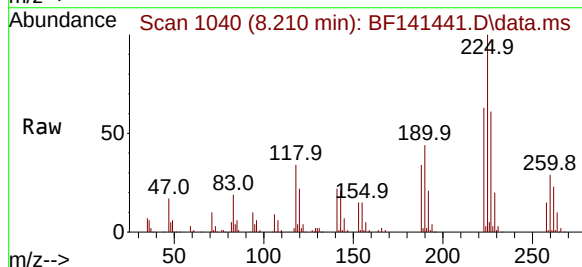
Tgt Ion:225 Resp: 121256

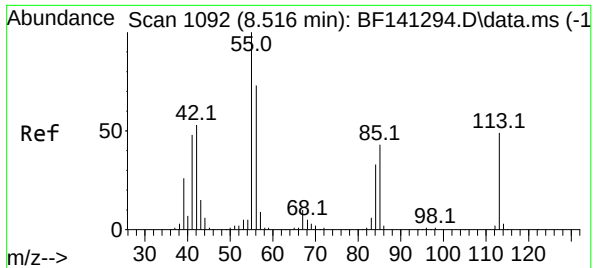
Ion Ratio Lower Upper

225 100

223 62.7 50.4 75.6

227 61.3 51.3 76.9





#35

Caprolactam

Concen: 46.916 ng m

RT: 8.510 min Scan# 1092

Delta R.T. -0.035 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:113 Resp: 60874

Ion Ratio Lower Upper

113 100

55 191.9 182.9 222.9

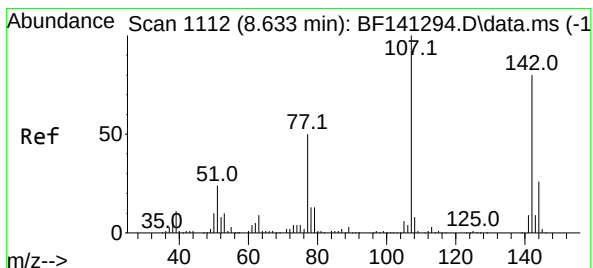
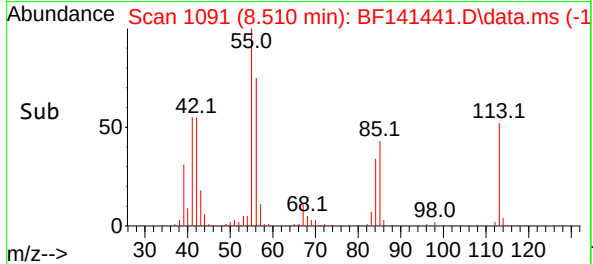
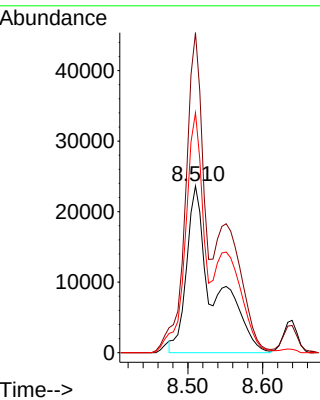
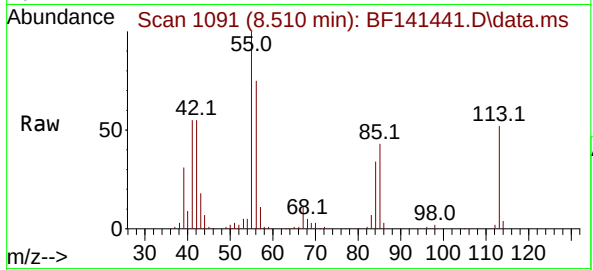
56 143.8 127.9 167.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#36

4-Chloro-3-methylphenol

Concen: 45.286 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.000 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

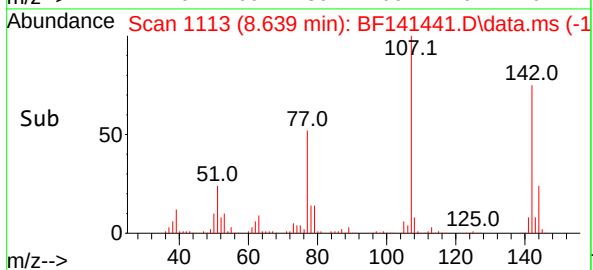
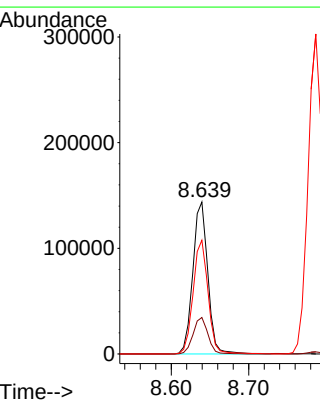
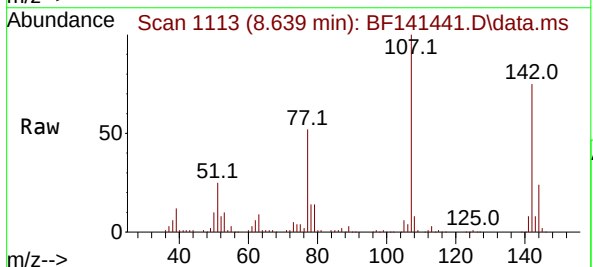
Tgt Ion:107 Resp: 192987

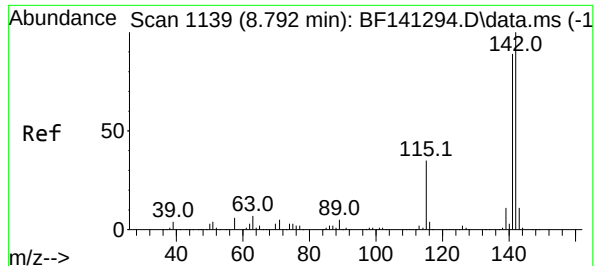
Ion Ratio Lower Upper

107 100

144 24.0 20.7 31.1

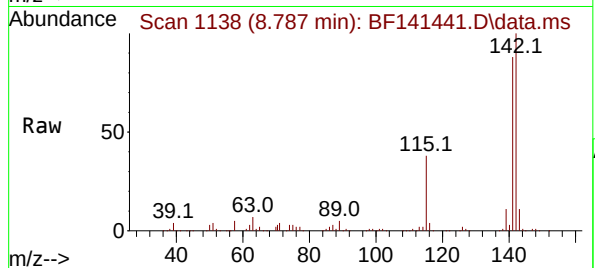
142 74.9 63.8 95.8





#37
2-Methylnaphthalene
Concen: 41.791 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

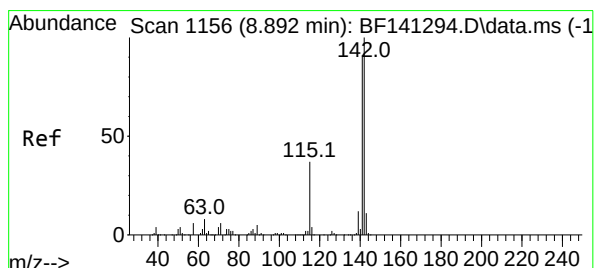
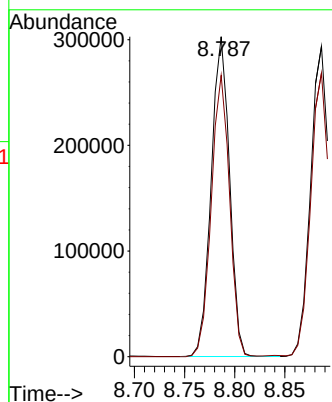
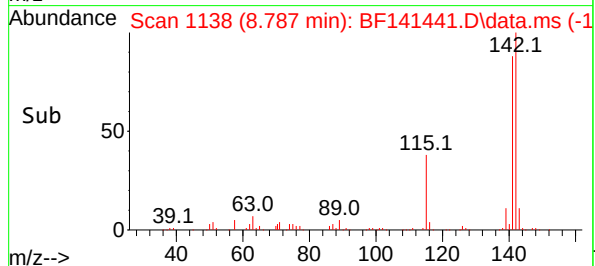
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:142 Resp: 38588
Ion Ratio Lower Upper
142 100
141 87.9 71.3 106.9

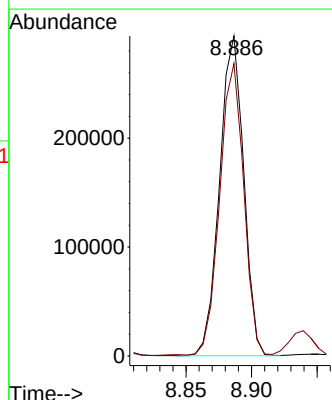
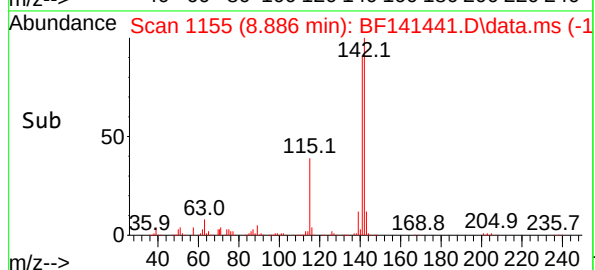
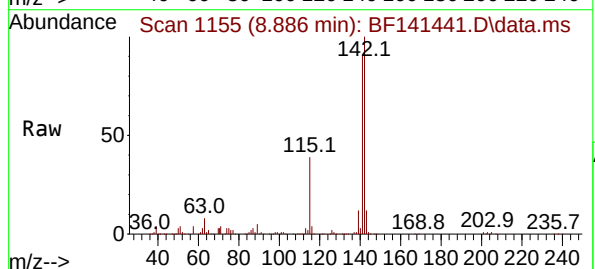
Manual Integrations
APPROVED

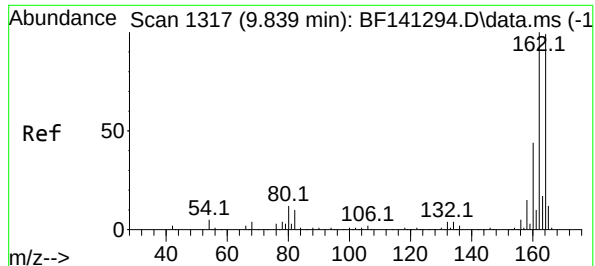
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 41.327 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:142 Resp: 374851
Ion Ratio Lower Upper
142 100
141 91.4 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141441.D

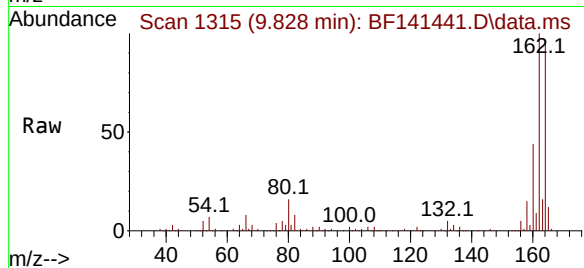
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:164 Resp: 148840

Ion Ratio Lower Upper

164 100

162 104.7 80.6 121.0

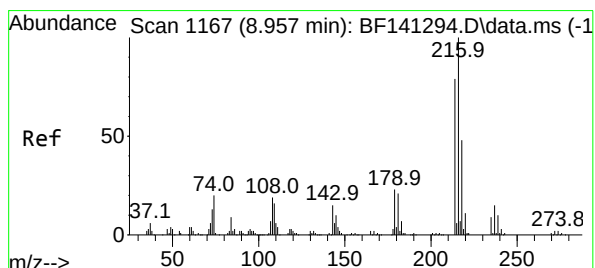
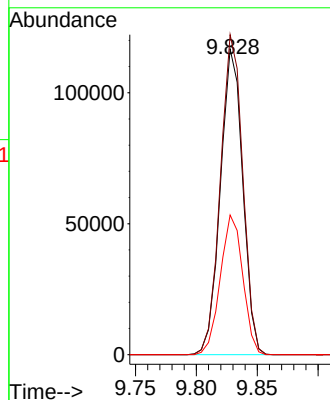
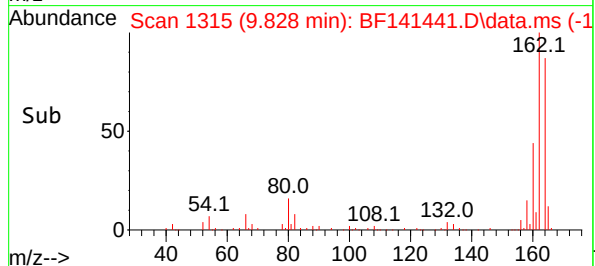
160 45.7 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#40

1,2,4,5-Tetrachlorobenzene

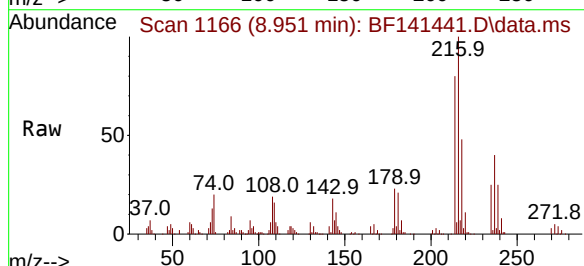
Concen: 49.310 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39



Tgt Ion:216 Resp: 208801

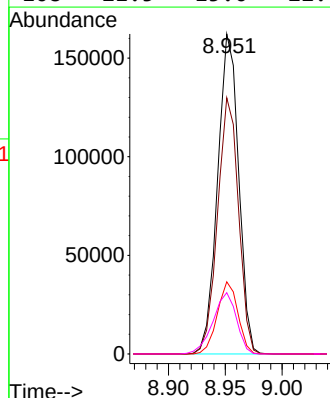
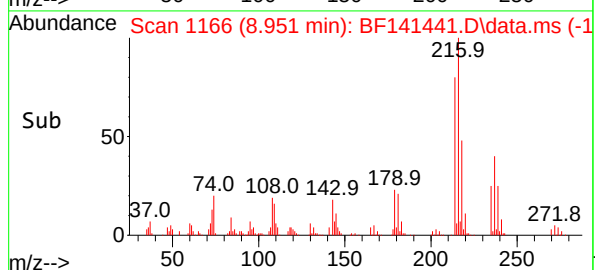
Ion Ratio Lower Upper

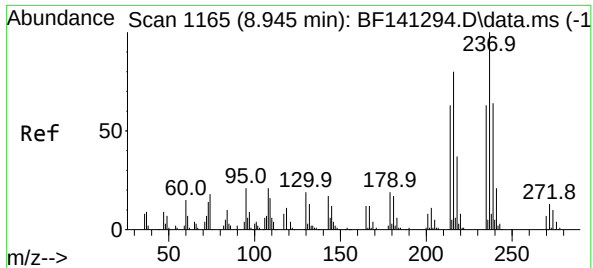
216 100

214 79.8 63.2 94.8

179 22.1 17.8 26.8

108 21.5 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 187.667 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:237 Resp: 23469

Ion Ratio Lower Upper

237 100

235 62.9 42.9 82.9

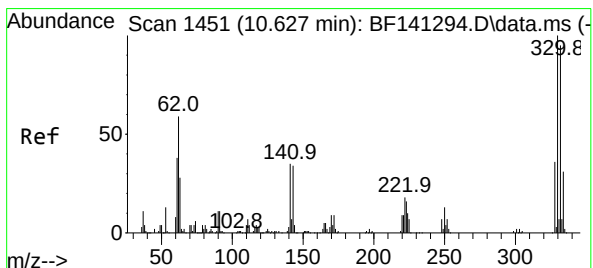
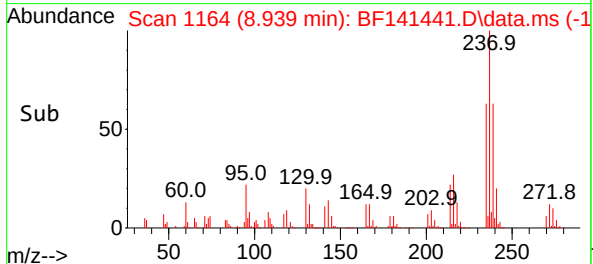
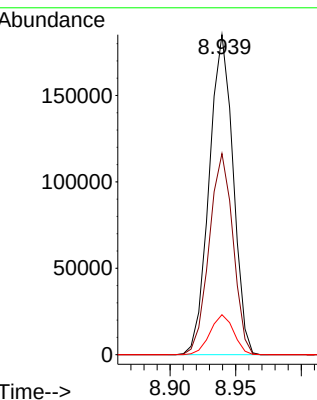
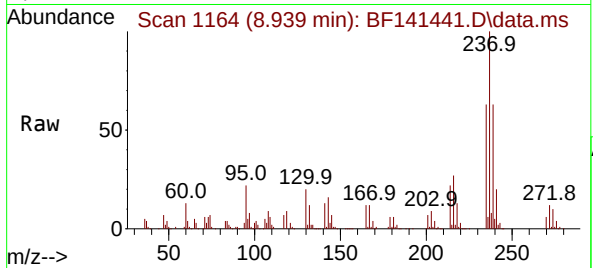
272 12.5 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#42

2,4,6-Tribromophenol

Concen: 159.573 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

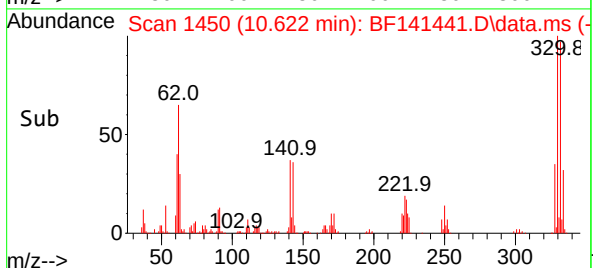
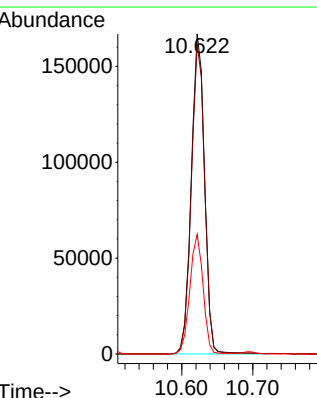
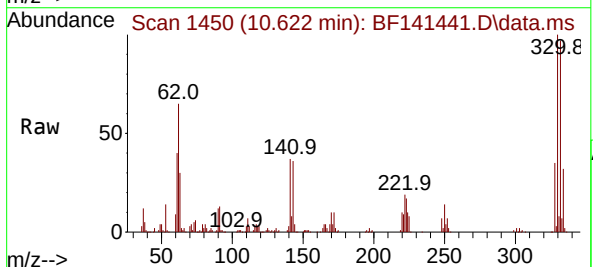
Tgt Ion:330 Resp: 217749

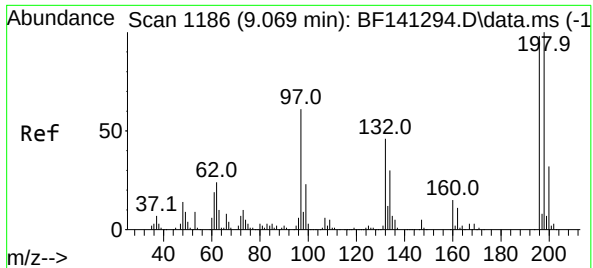
Ion Ratio Lower Upper

330 100

332 97.4 76.1 114.1

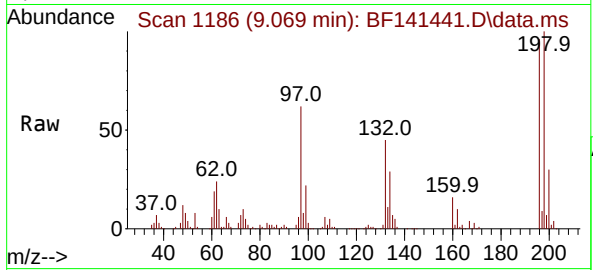
141 37.2 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 44.316 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

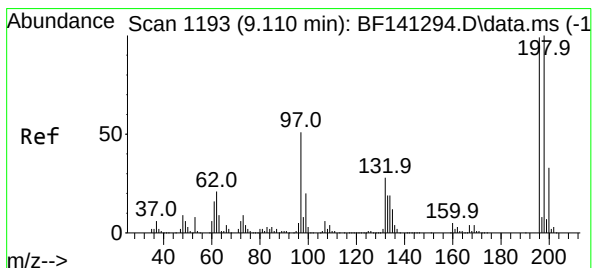
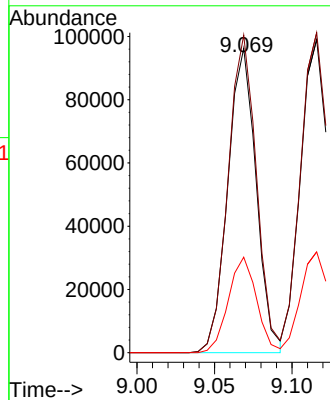
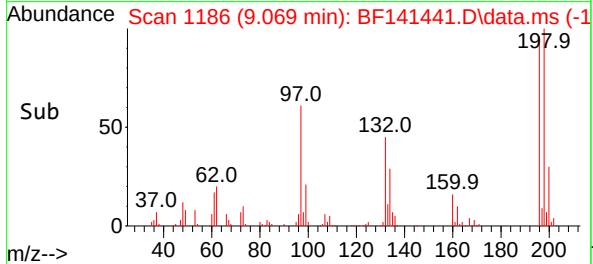
Instrument :
BNA_F
ClientSampleId :
PB166418BS



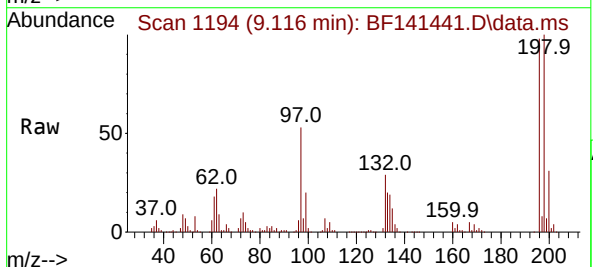
Tgt Ion:196 Resp: 122828
Ion Ratio Lower Upper
196 100
198 104.3 81.8 122.6
200 31.4 26.3 39.5

Manual Integrations
APPROVED

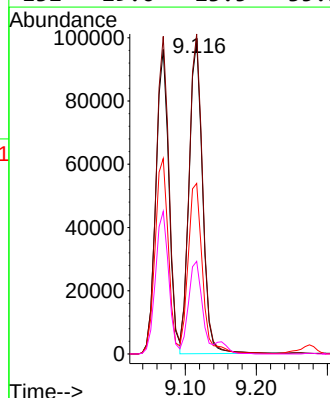
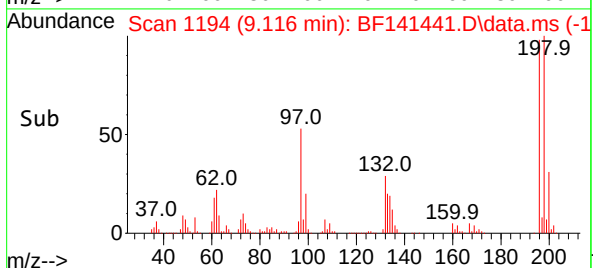
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

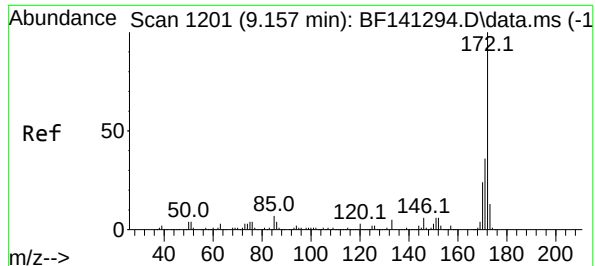


#44
2,4,5-Trichlorophenol
Concen: 43.190 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:196 Resp: 130288
Ion Ratio Lower Upper
196 100
198 102.1 80.5 120.7
97 54.4 42.8 64.2
132 29.6 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 98.931 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:172 Resp: 956699

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

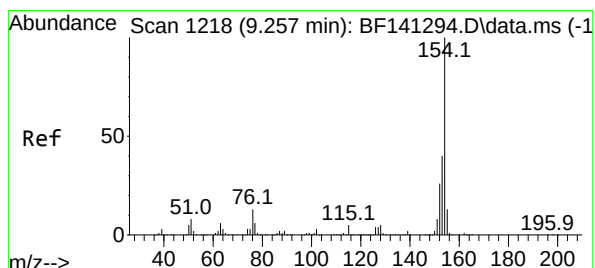
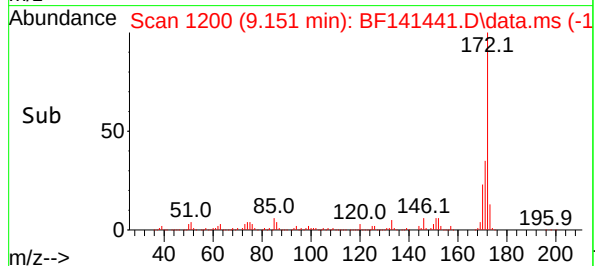
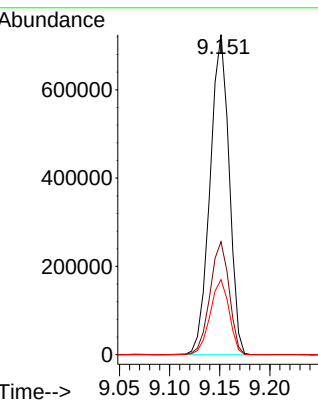
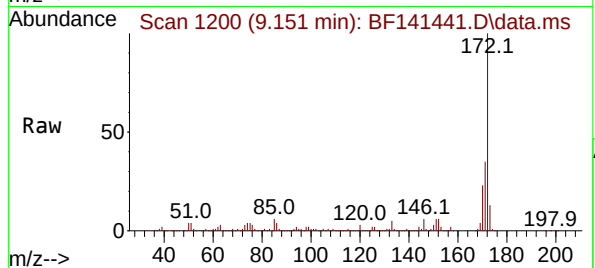
170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 48.309 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

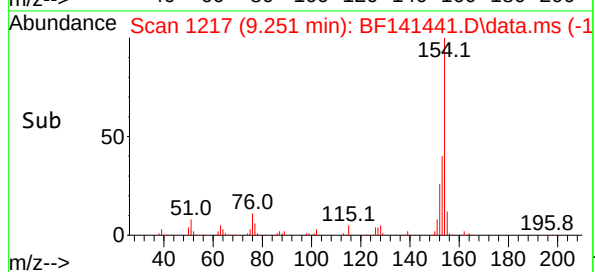
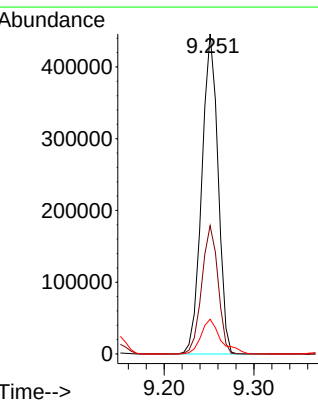
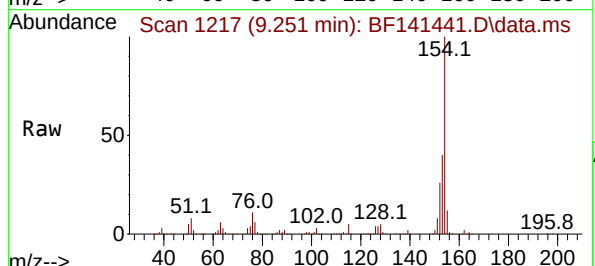
Tgt Ion:154 Resp: 560784

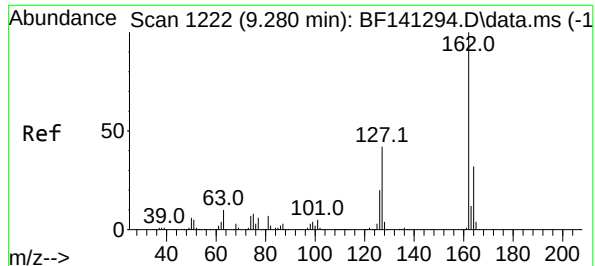
Ion Ratio Lower Upper

154 100

153 40.1 20.0 60.0

76 10.8 0.0 32.8





#47

2-Chloronaphthalene

Concen: 41.655 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:162 Resp: 376890

Ion Ratio Lower Upper

162 100

127 43.0 33.7 50.5

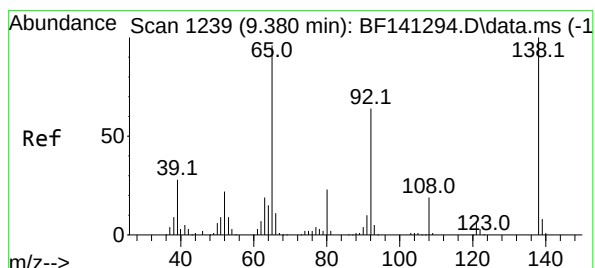
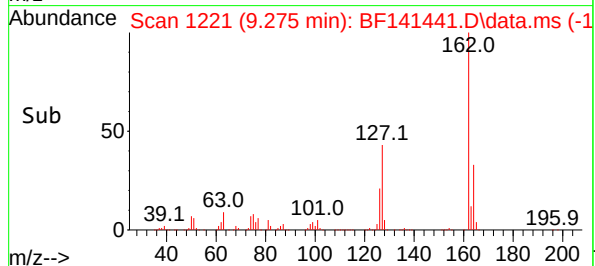
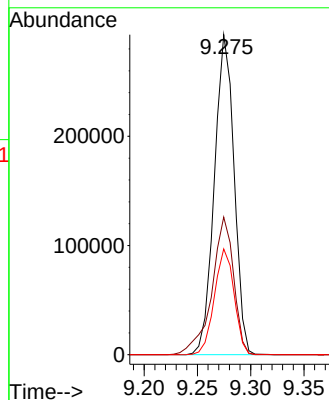
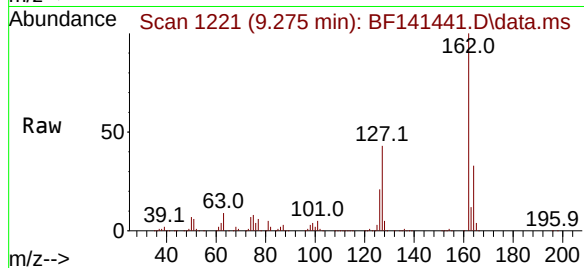
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 44.811 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

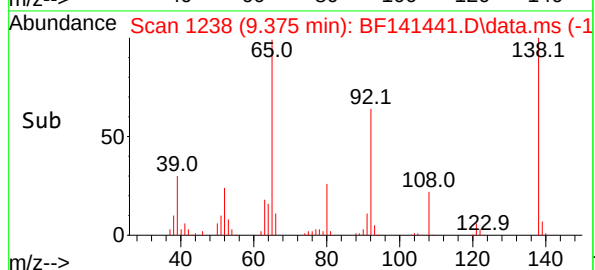
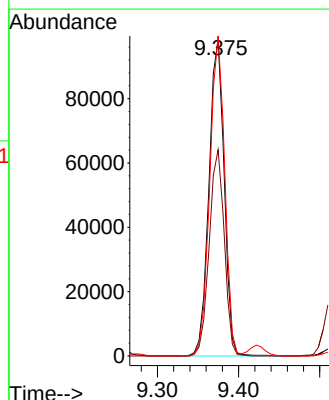
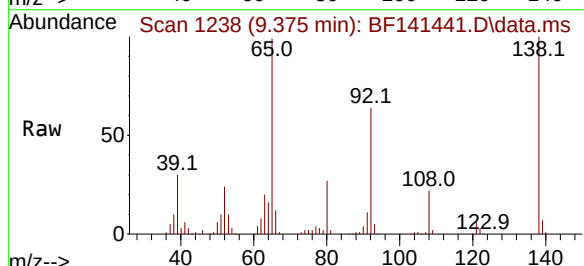
Tgt Ion: 65 Resp: 127531

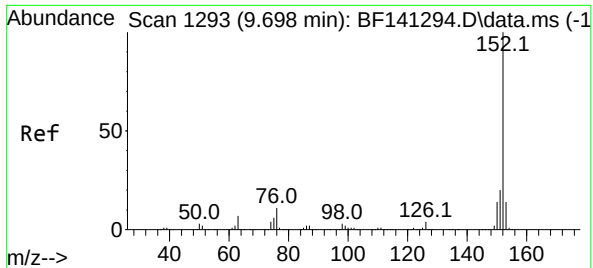
Ion Ratio Lower Upper

65 100

92 65.2 53.3 79.9

138 101.2 83.6 125.4





#49

Acenaphthylene

Concen: 46.522 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

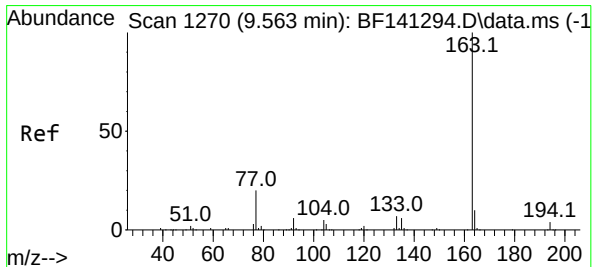
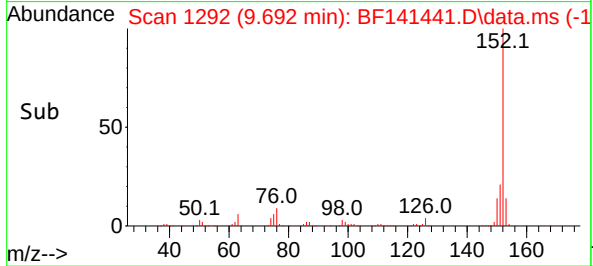
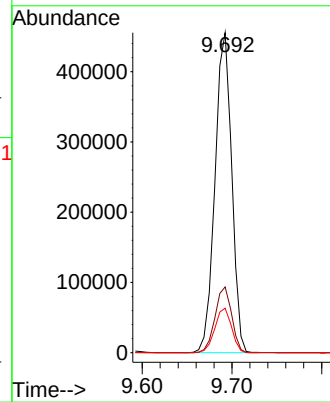
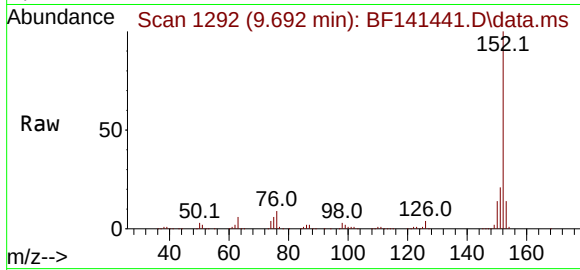
Tgt Ion:	152	Resp:	58922
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.2
153	13.9	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 44.205 ng

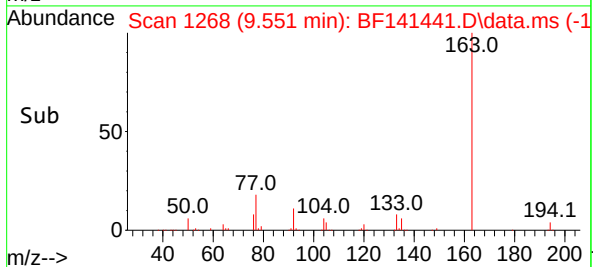
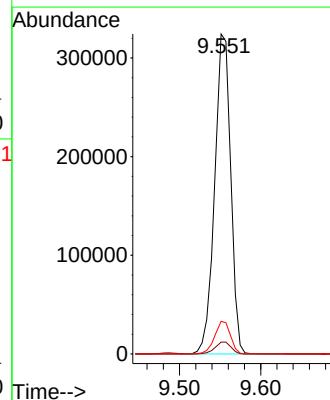
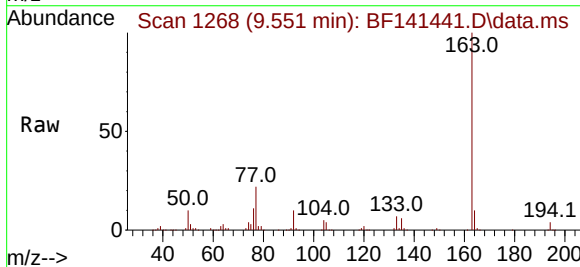
RT: 9.551 min Scan# 1268

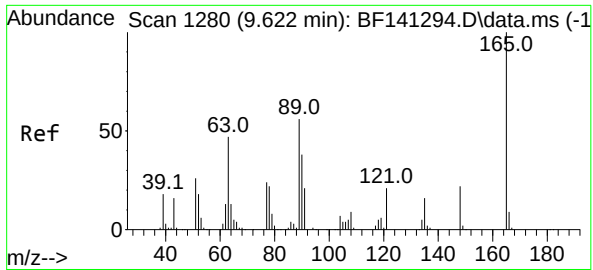
Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

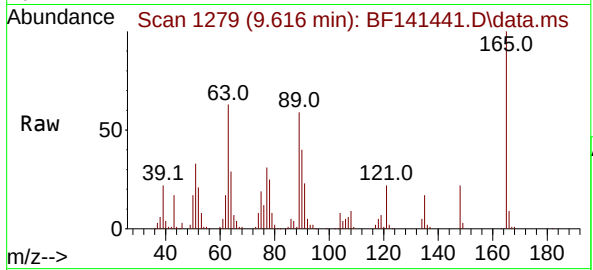
Tgt Ion:	163	Resp:	444390
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 41.975 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

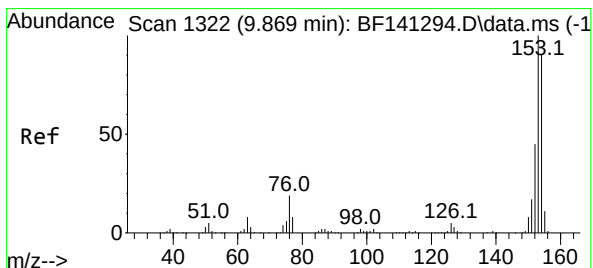
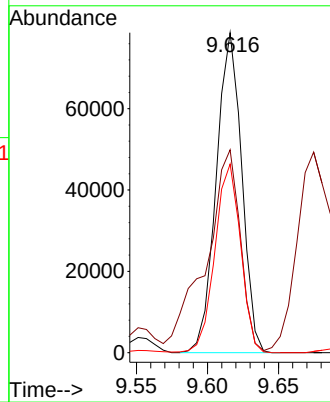
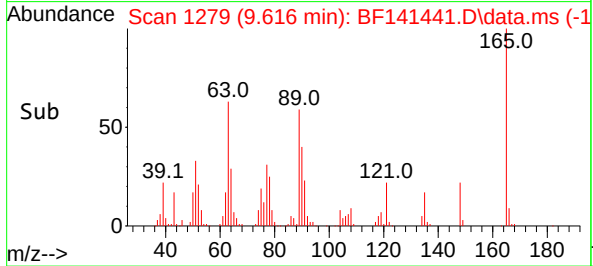
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:165 Resp: 97978
Ion Ratio Lower Upper
165 100
63 63.4 48.1 72.1
89 58.9 44.9 67.3

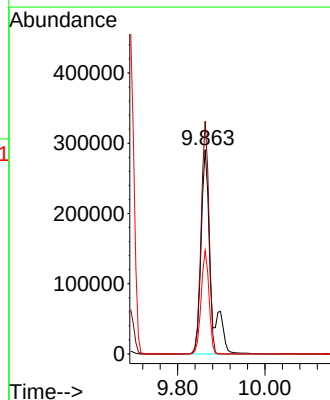
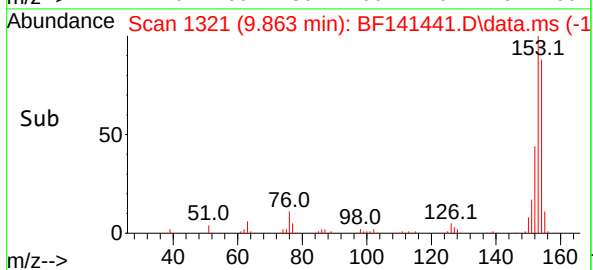
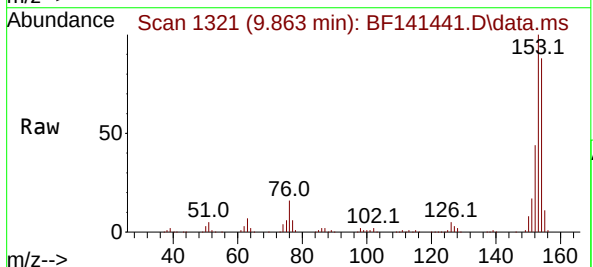
Manual Integrations
APPROVED

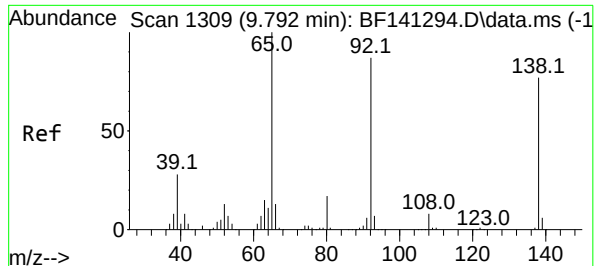
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 49.920 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:154 Resp: 451686
Ion Ratio Lower Upper
154 100
153 113.9 89.0 133.4
152 50.5 40.2 60.4





#53
3-Nitroaniline
Concen: 22.577 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

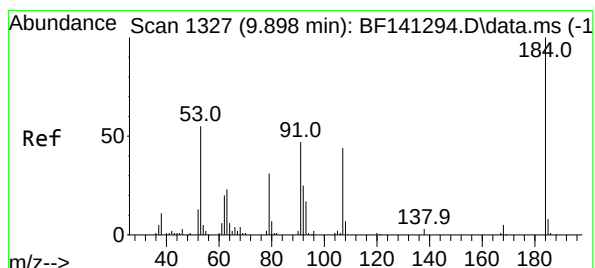
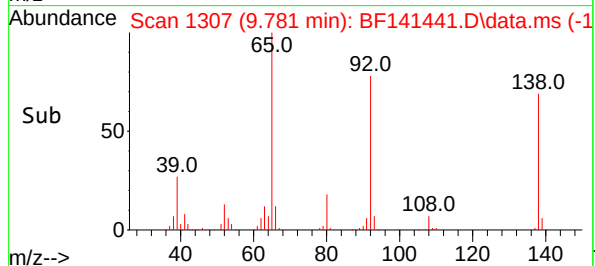
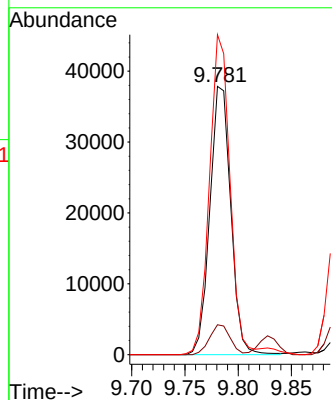
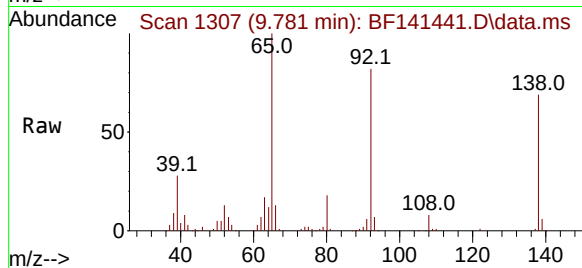
ClientSampleId :

PB166418BS

Tgt Ion:138 Resp: 5165
Ion Ratio Lower Upper
138 100
108 11.2 8.6 12.8
92 119.3 91.0 136.6

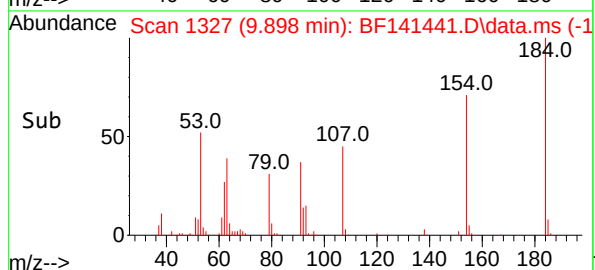
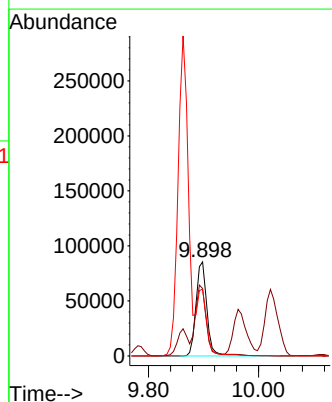
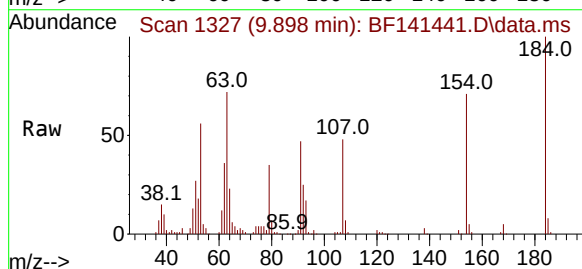
Manual Integrations
APPROVED

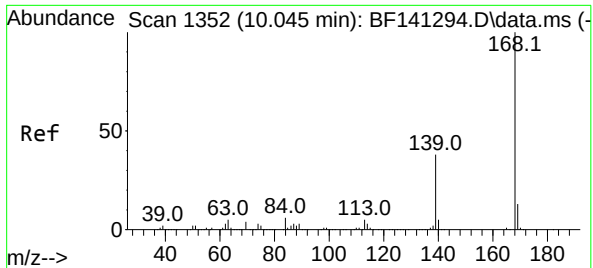
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 109.971 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

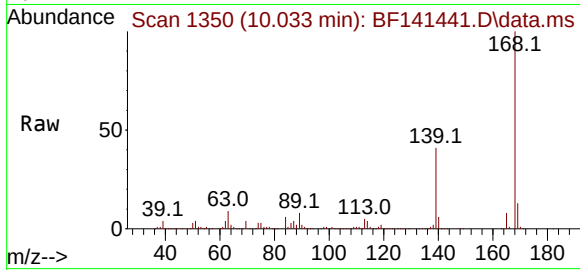
Tgt Ion:184 Resp: 119325
Ion Ratio Lower Upper
184 100
63 71.6 54.1 81.1
154 71.0 50.7 76.1





#55
Dibenzenofuran
Concen: 44.777 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

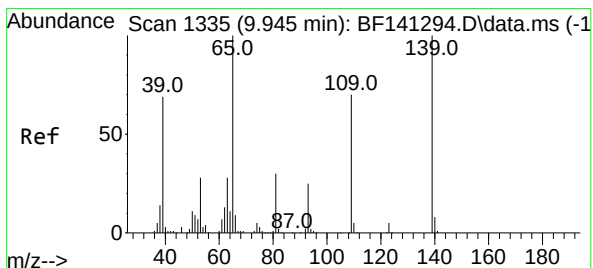
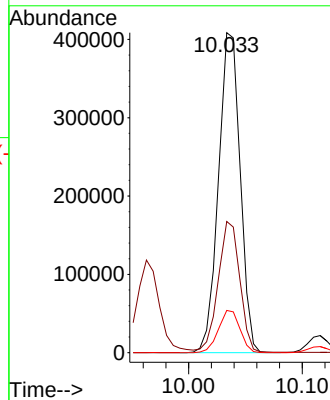
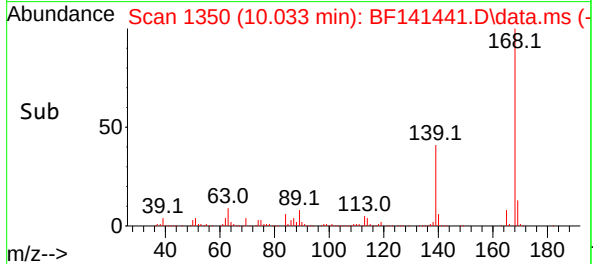
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:168 Resp: 54231
Ion Ratio Lower Upper
168 100
139 41.0 30.6 46.0
169 13.2 10.8 16.2

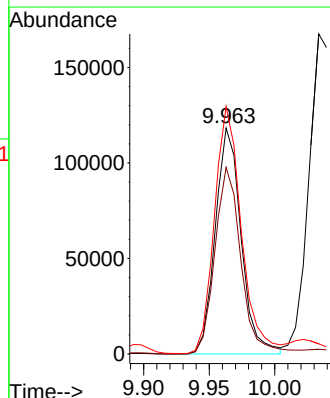
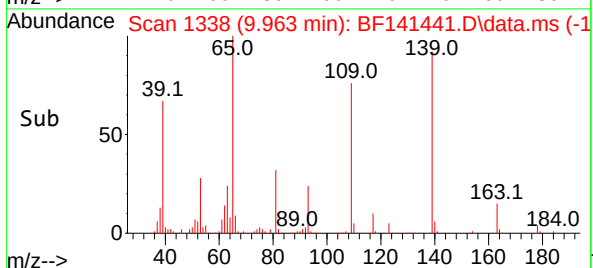
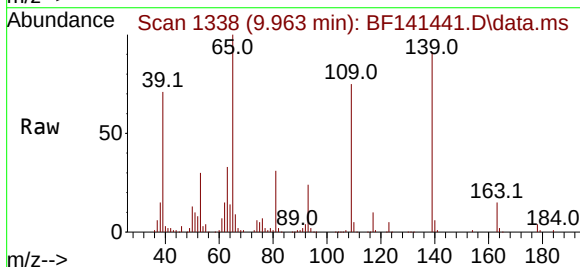
Manual Integrations
APPROVED

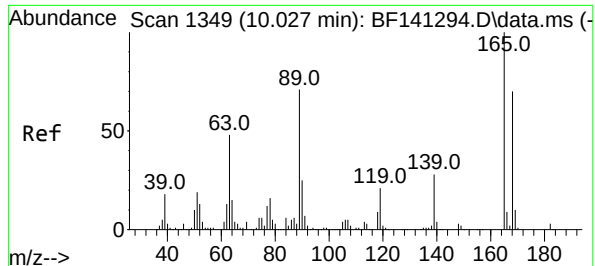
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 96.797 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Tgt Ion:139 Resp: 161953
Ion Ratio Lower Upper
139 100
109 82.6 50.2 90.2
65 109.5 80.6 120.6





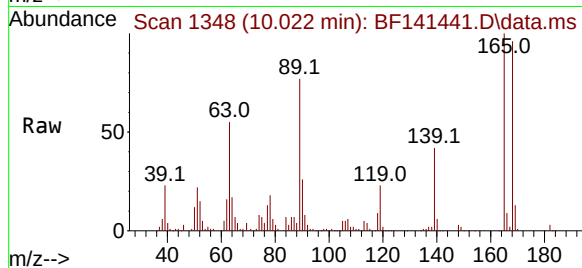
#57
2,4-Dinitrotoluene
Concen: 45.494 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

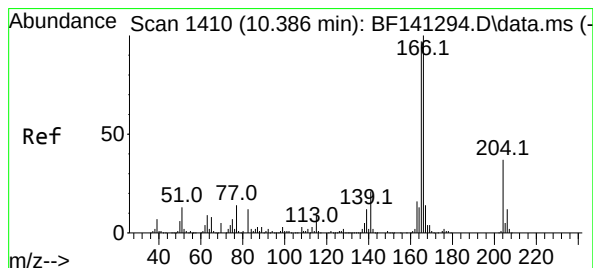
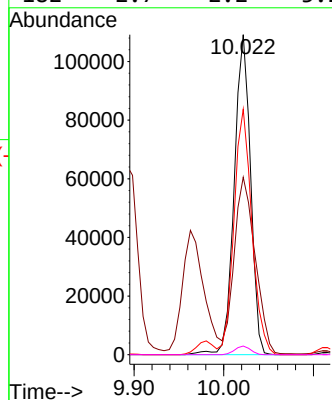
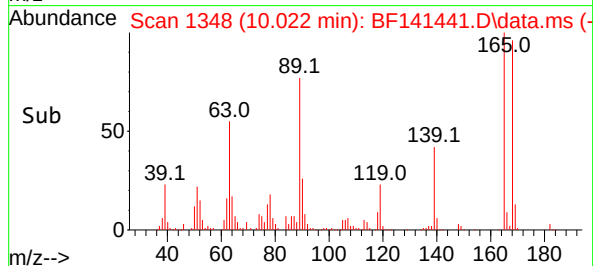


Tgt Ion:165 Resp: 137486
Ion Ratio Lower Upper
165 100
63 55.4 39.2 58.8
89 76.7 56.9 85.3
182 2.7 2.2 3.2

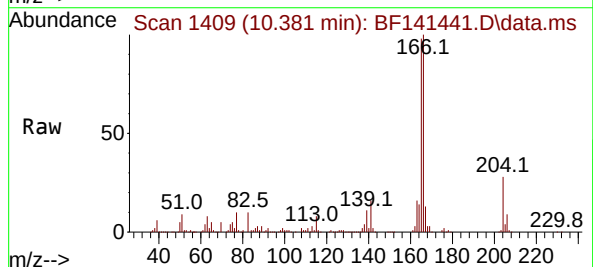
Manual Integrations

APPROVED

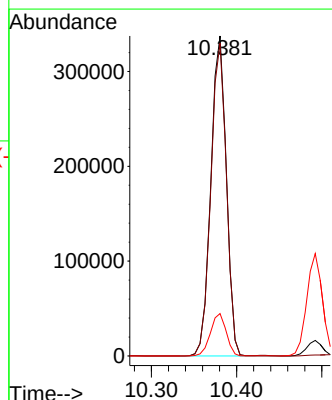
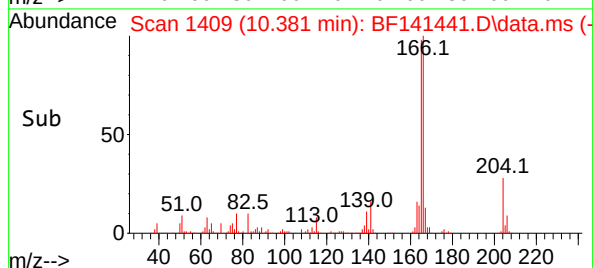
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

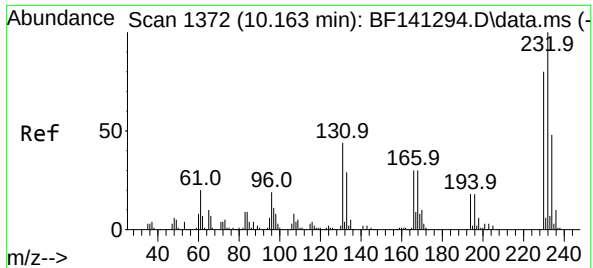


#58
Fluorene
Concen: 45.391 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



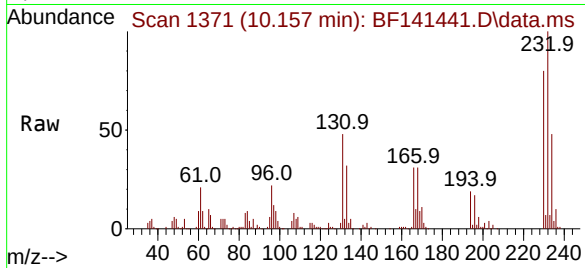
Tgt Ion:166 Resp: 426432
Ion Ratio Lower Upper
166 100
165 97.8 77.5 116.3
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.999 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

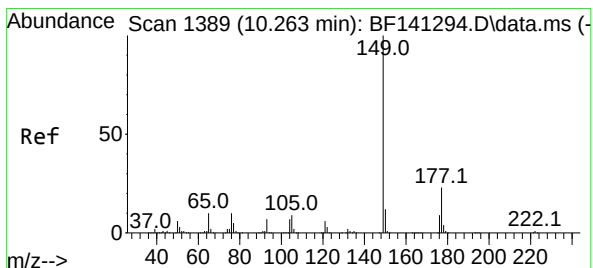
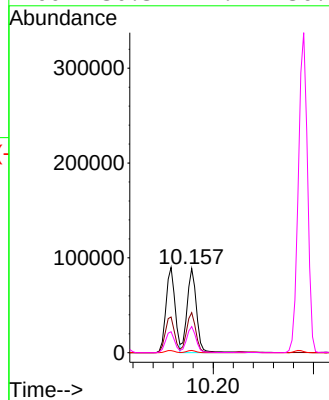
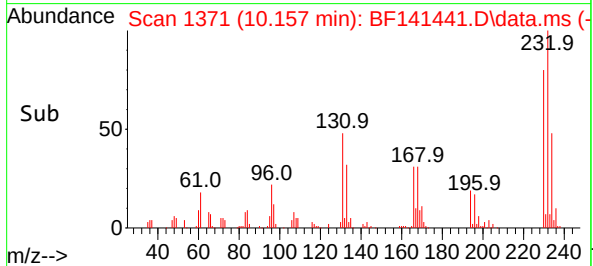
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:232 Resp: 116280
Ion Ratio Lower Upper
232 100
131 47.0 36.4 54.6
130 2.5 1.9 2.9
166 30.3 24.1 36.1

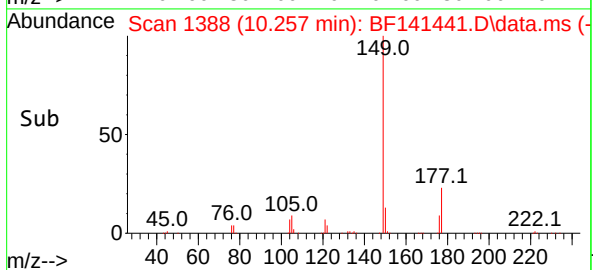
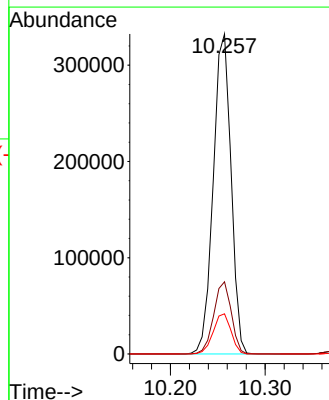
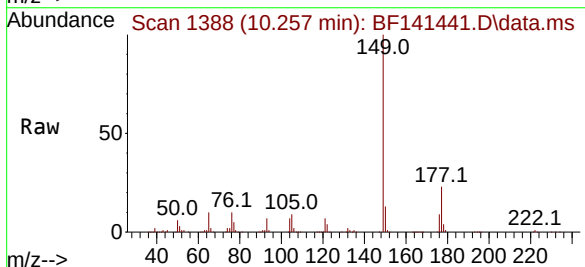
Manual Integrations
APPROVED

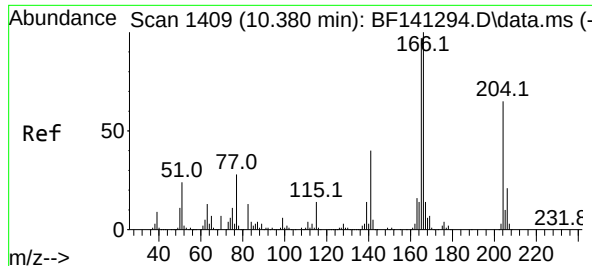
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 44.397 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

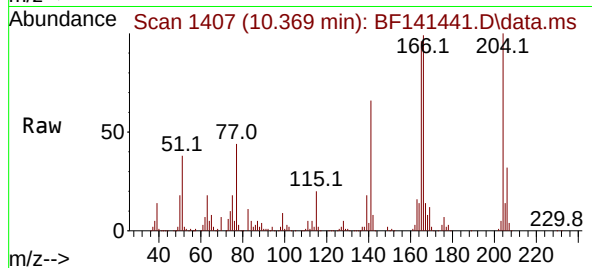
Tgt Ion:149 Resp: 432760
Ion Ratio Lower Upper
149 100
177 22.5 18.5 27.7
150 12.6 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.496 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

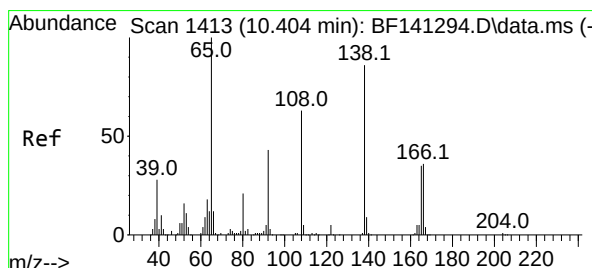
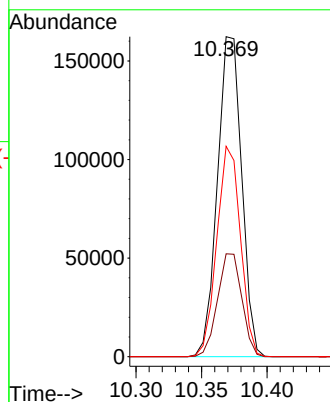
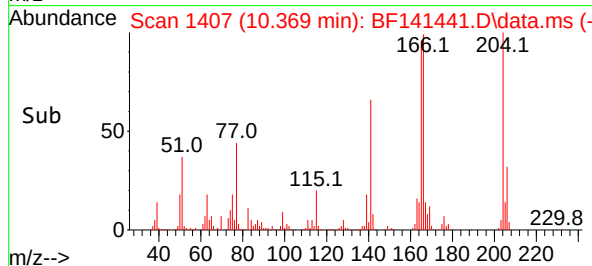
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:204 Resp: 20878
Ion Ratio Lower Upper
204 100
206 32.1 25.9 38.9
141 65.7 49.5 74.3

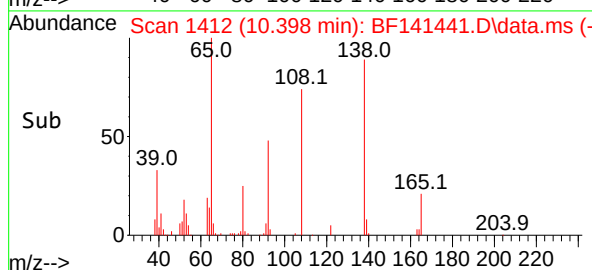
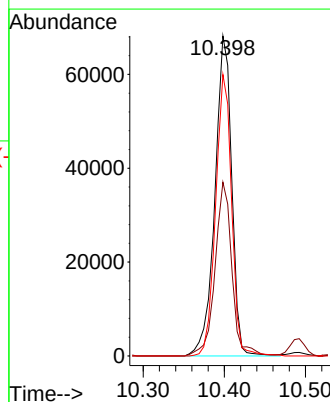
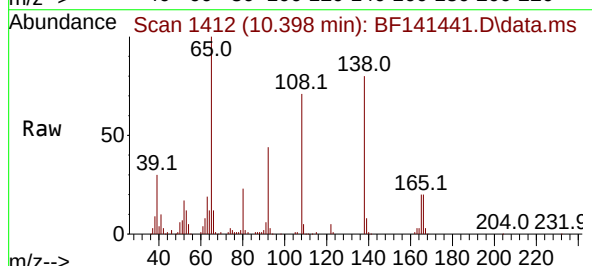
Manual Integrations
APPROVED

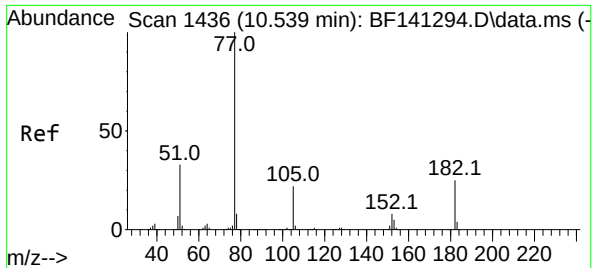
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 43.732 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

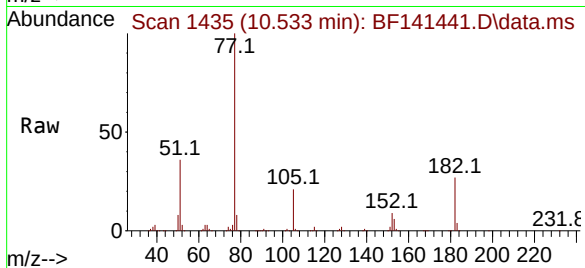
Tgt Ion:138 Resp: 98361
Ion Ratio Lower Upper
138 100
92 54.3 30.1 70.1
108 88.0 53.1 93.1





#63
Azobenzene
Concen: 43.226 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

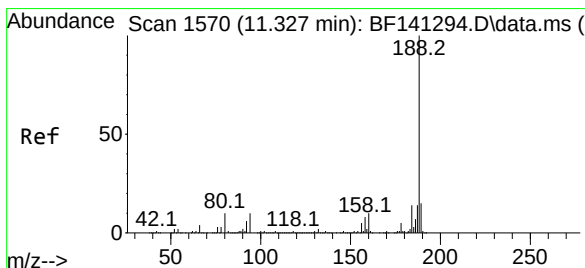
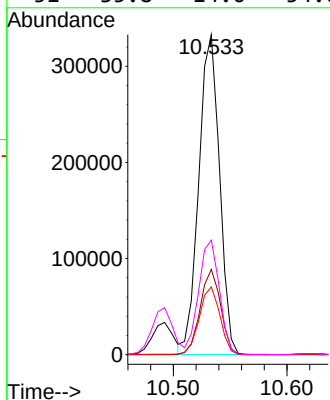
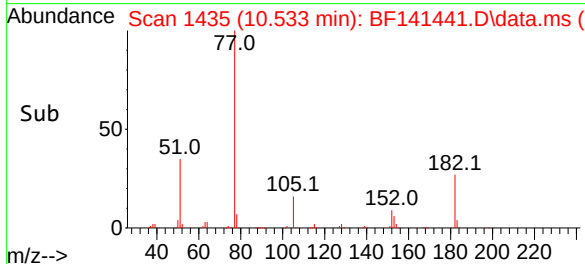
Instrument :
BNA_F
ClientSampleId :
PB166418BS



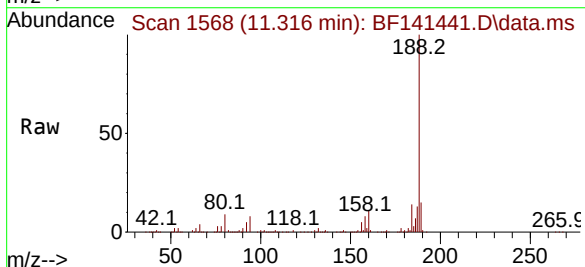
Tgt Ion: 77 Resp: 421750
Ion Ratio Lower Upper
77 100
182 26.6 5.1 45.1
105 21.2 1.8 41.8
51 35.8 14.0 54.0

Manual Integrations
APPROVED

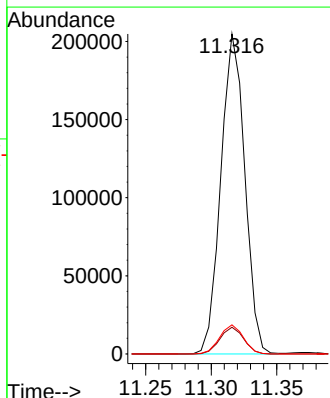
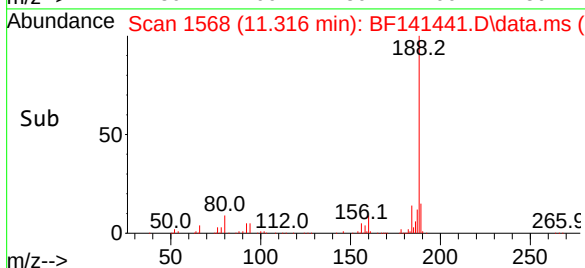
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

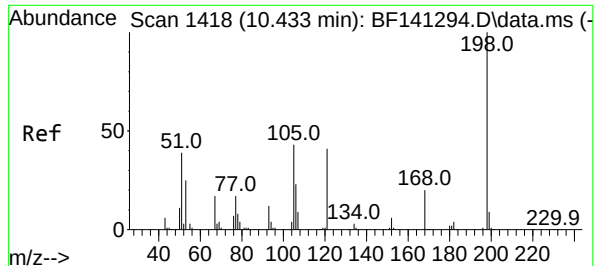


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:188 Resp: 260150
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.1 8.2 12.4





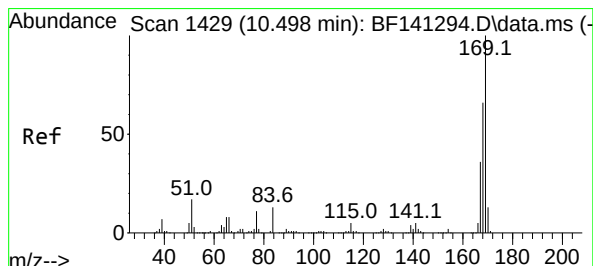
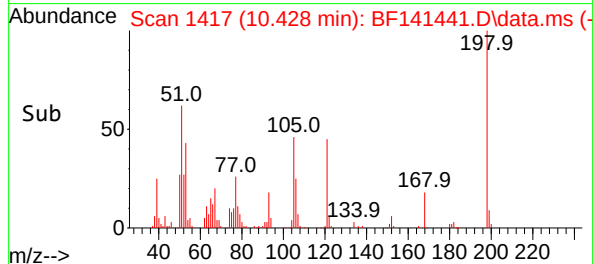
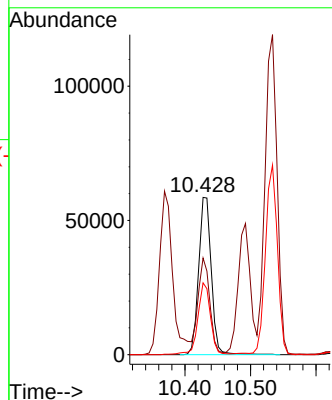
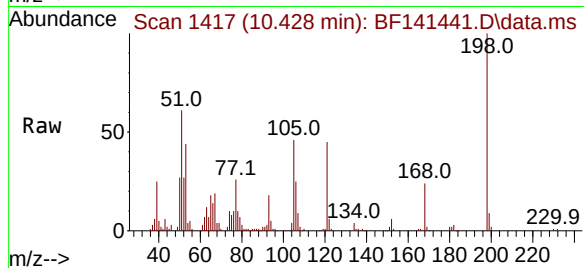
#65
4,6-Dinitro-2-methylphenol
Concen: 51.220 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:198 Resp: 7881
Ion Ratio Lower Upper
198 100
51 61.4 33.4 73.4
105 45.7 24.4 64.4

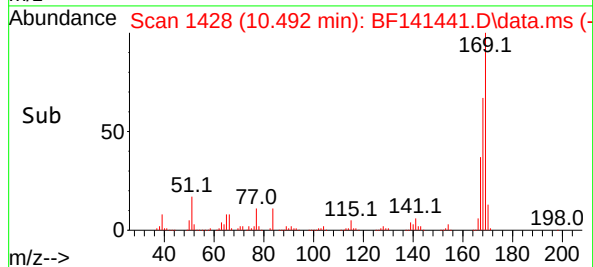
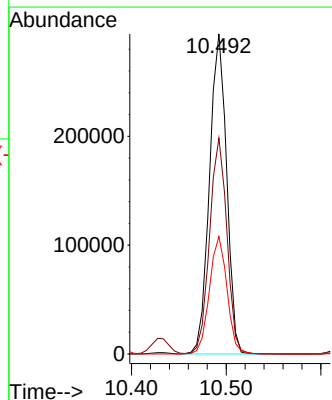
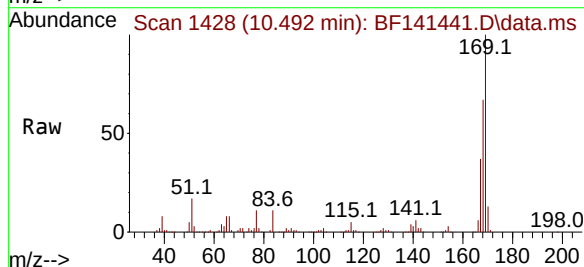
Manual Integrations
APPROVED

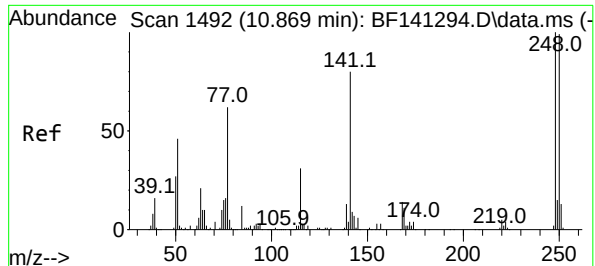
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 43.776 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

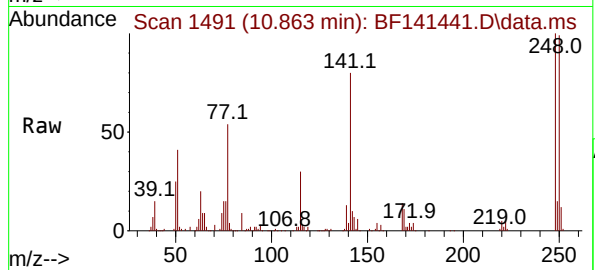
Tgt Ion:169 Resp: 368342
Ion Ratio Lower Upper
169 100
168 67.5 53.0 79.4
167 36.7 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 43.635 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

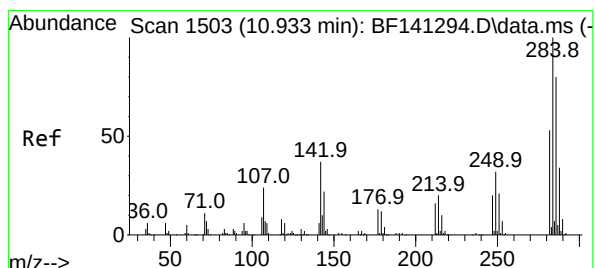
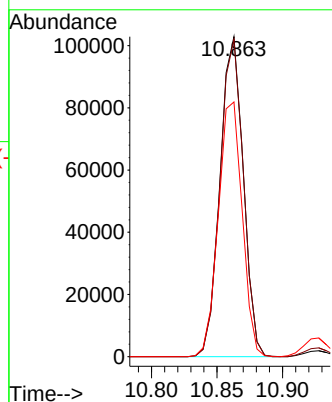
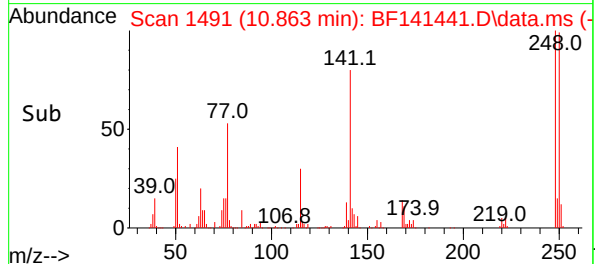
Instrument :
BNA_F
ClientSampleId :
PB166418BS



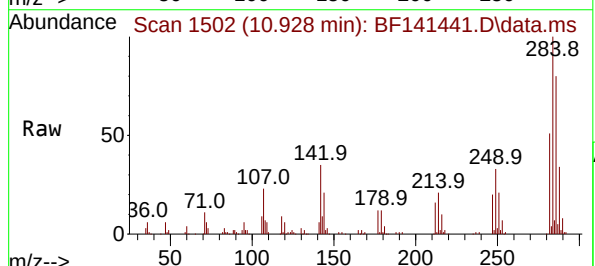
Tgt Ion:248 Resp: 127084
Ion Ratio Lower Upper
248 100
250 99.2 79.0 118.4
141 79.6 63.7 95.5

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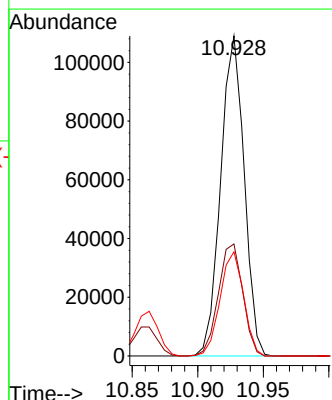
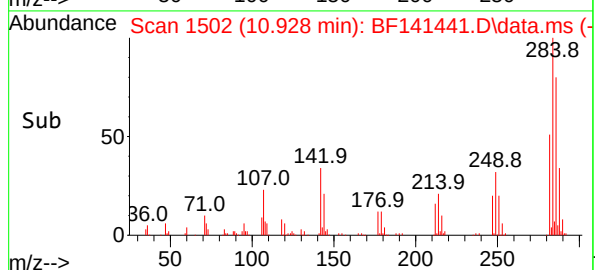
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

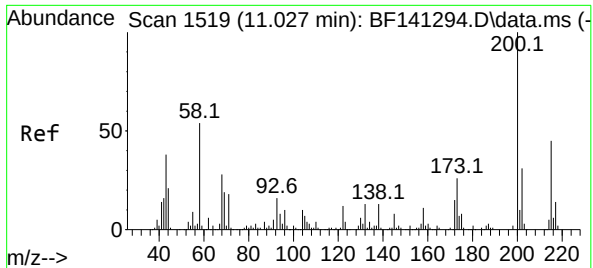


#68
Hexachlorobenzene
Concen: 43.921 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:284 Resp: 135690
Ion Ratio Lower Upper
284 100
142 35.0 29.5 44.3
249 32.5 25.4 38.2





#69

Atrazine

Concen: 51.878 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:200 Resp: 145940

Ion Ratio Lower Upper

200 100

173 25.0 5.9 45.9

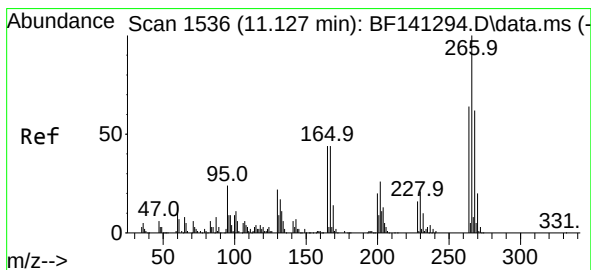
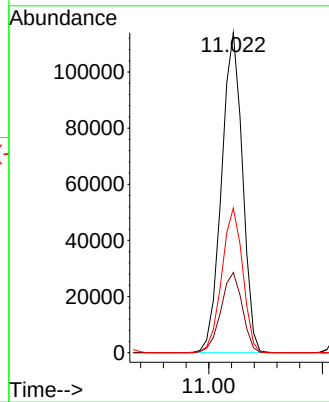
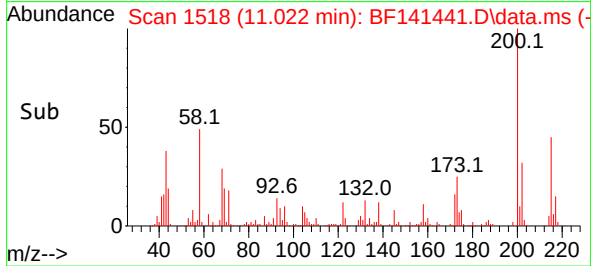
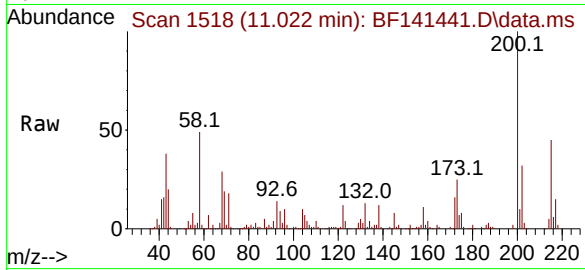
215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 93.804 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

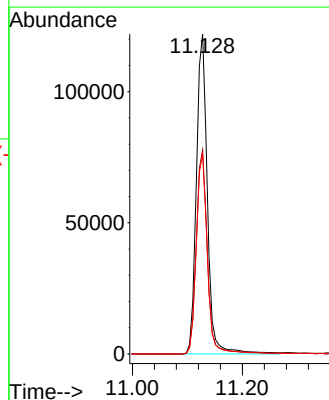
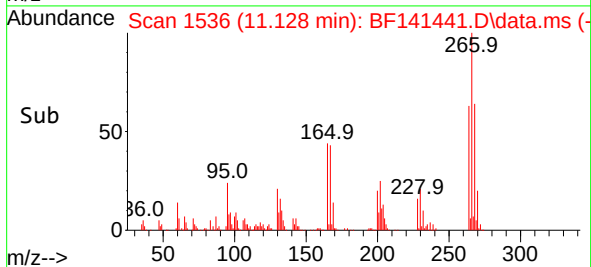
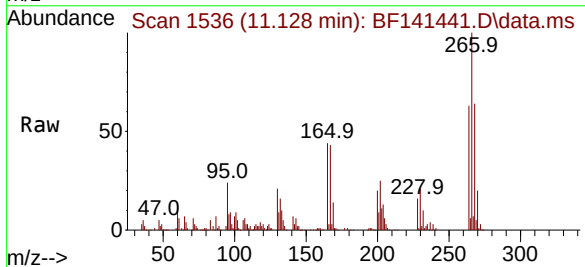
Tgt Ion:266 Resp: 169701

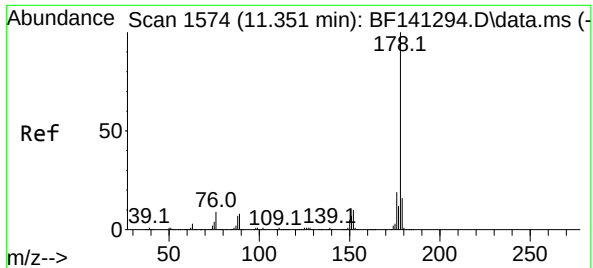
Ion Ratio Lower Upper

266 100

268 63.8 49.9 74.9

264 62.6 51.0 76.4





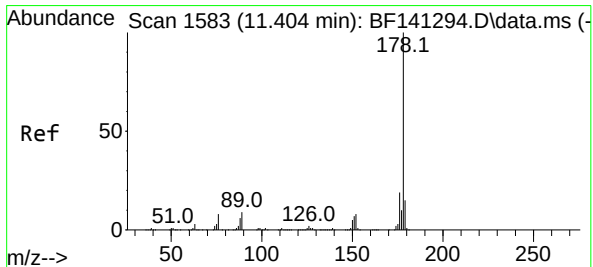
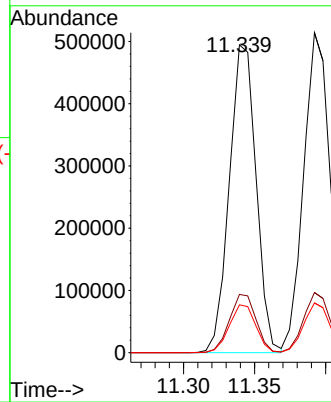
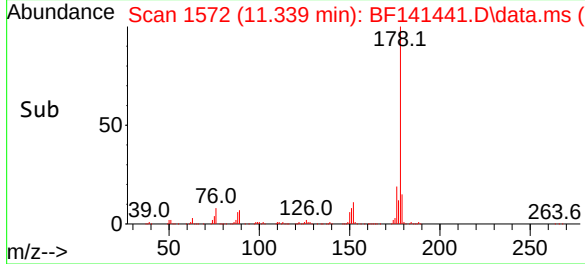
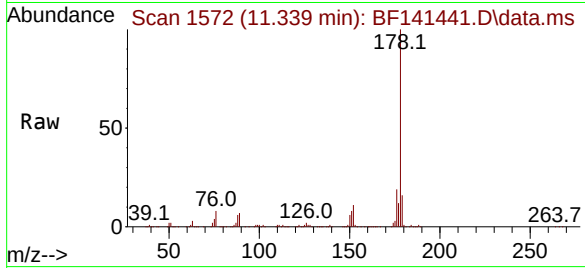
#71
Phenanthrene
Concen: 46.412 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

Instrument :
BNA_F
ClientSampleId :
PB166418BS

Tgt Ion:178 Resp: 649030
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.5 18.7

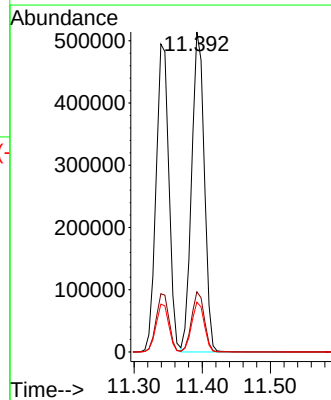
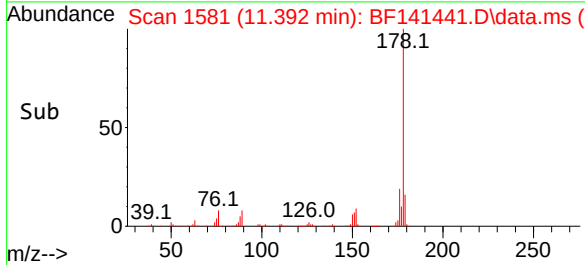
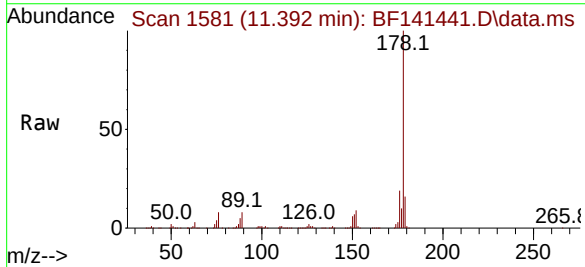
Manual Integrations
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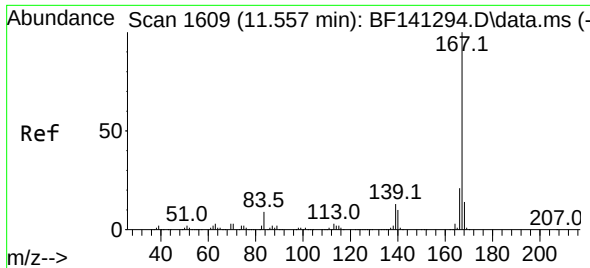
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 48.054 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

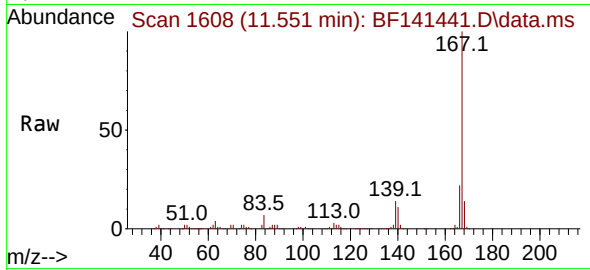
Tgt Ion:178 Resp: 658430
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 47.219 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39

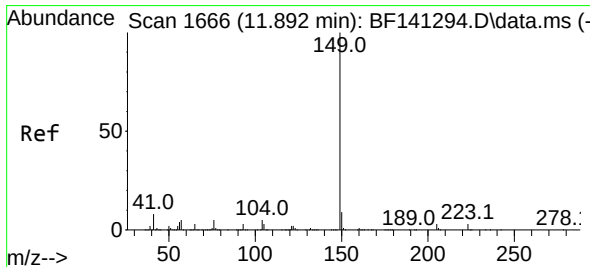
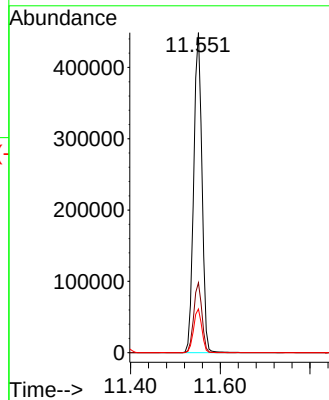
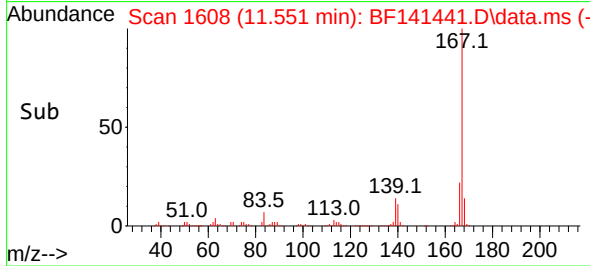
Instrument :
 BNA_F
 ClientSampleId :
 PB166418BS



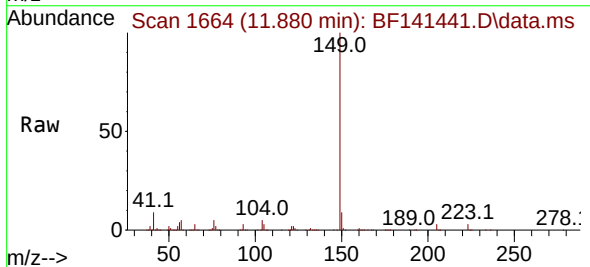
Tgt Ion:167 Resp: 573702
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.7 10.6 16.0

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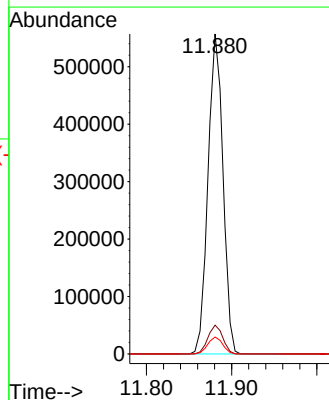
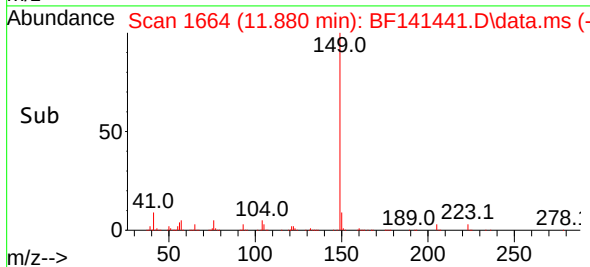
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

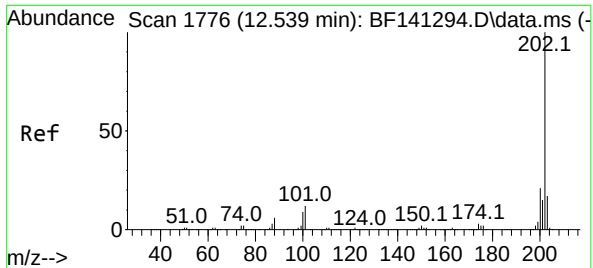


#74
 Di-n-butylphthalate
 Concen: 46.089 ng
 RT: 11.880 min Scan# 1664
 Delta R.T. -0.012 min
 Lab File: BF141441.D
 Acq: 05 Feb 2025 12:39



Tgt Ion:149 Resp: 678626
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 5.3 3.9 5.9





#75

Fluoranthene

Concen: 49.069 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:202 Resp: 67753

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.7

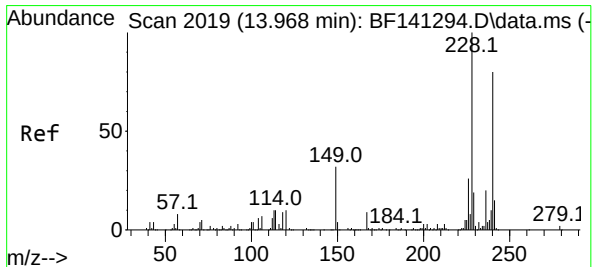
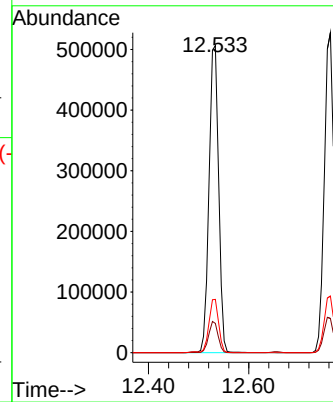
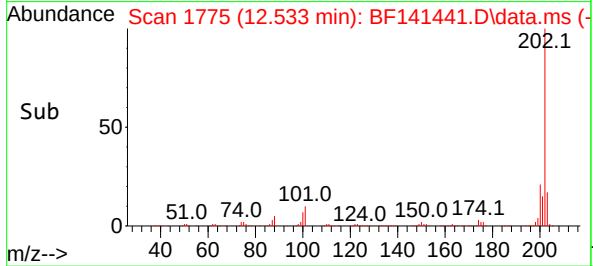
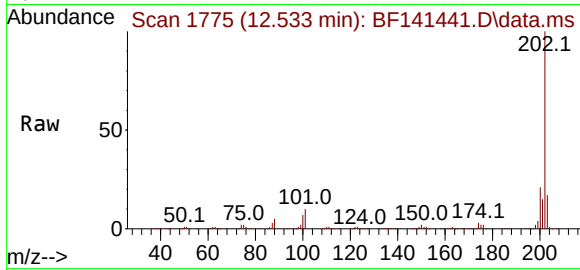
203 17.3 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

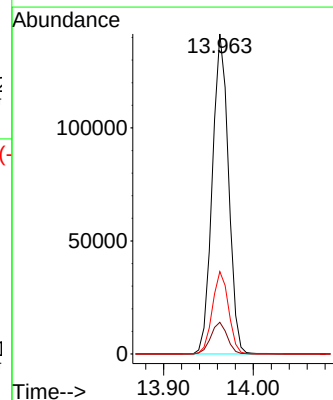
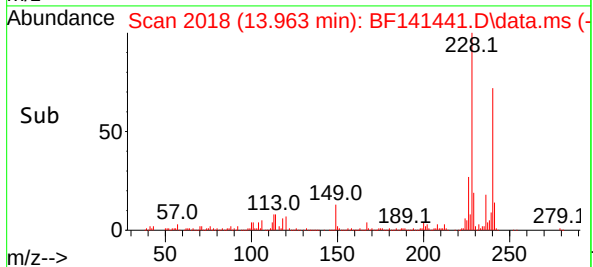
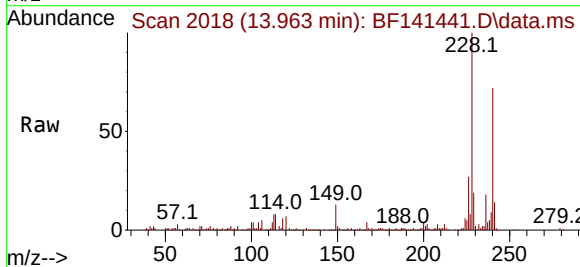
Tgt Ion:240 Resp: 177509

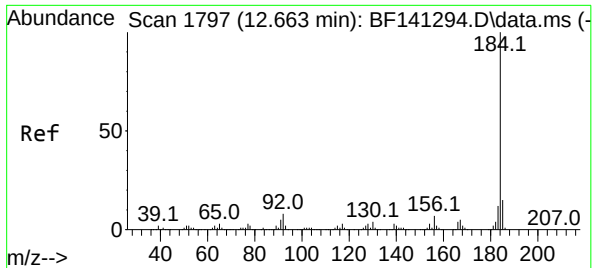
Ion Ratio Lower Upper

240 100

120 9.9 10.0 15.0#

236 25.7 19.7 29.5





#77

Benzidine

Concen: 45.887 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141441.D

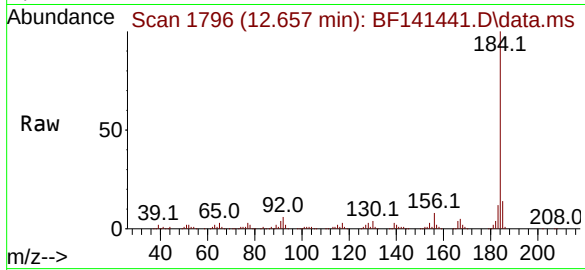
Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS



Tgt Ion:184 Resp: 261130

Ion Ratio Lower Upper

184 100

185 13.8 11.9 17.9

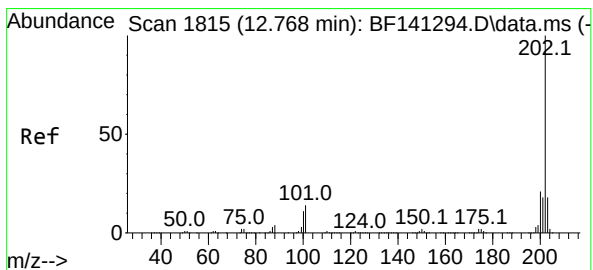
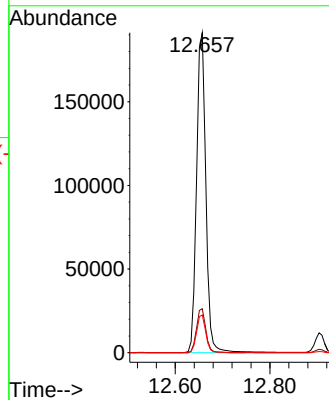
183 11.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 40.702 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

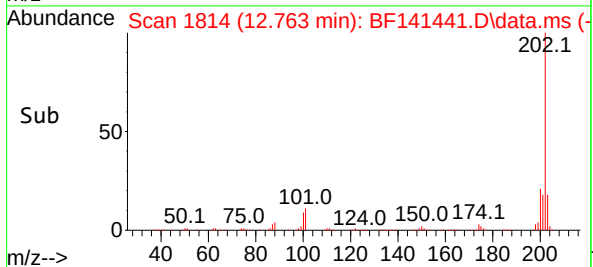
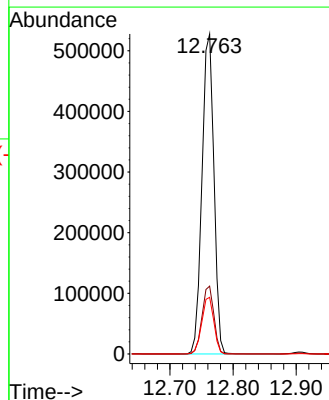
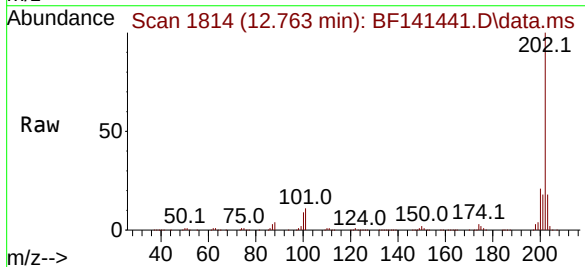
Tgt Ion:202 Resp: 693521

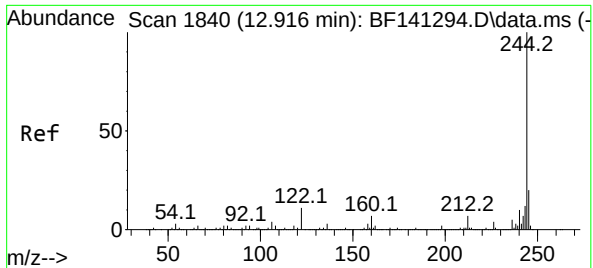
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

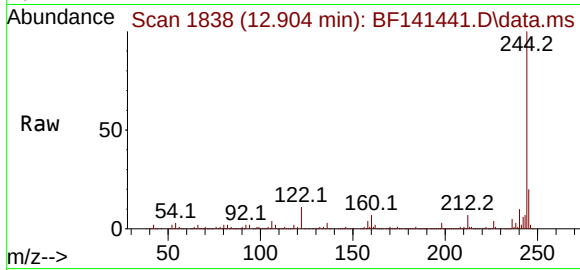
203 17.7 14.3 21.5





#79
Terphenyl-d14
Concen: 96.100 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

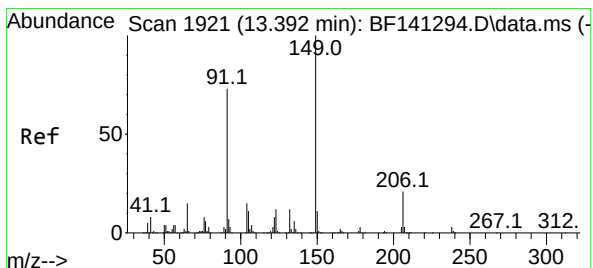
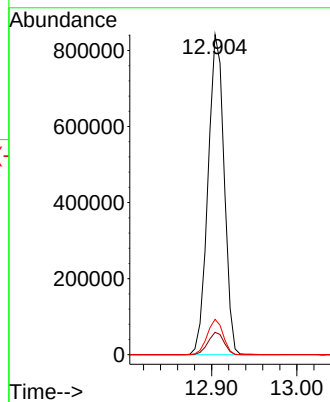
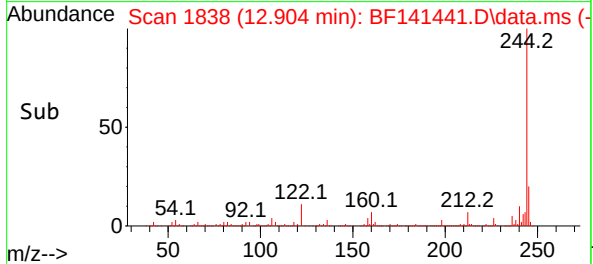
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:244 Resp: 110613
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 11.1 8.8 13.2

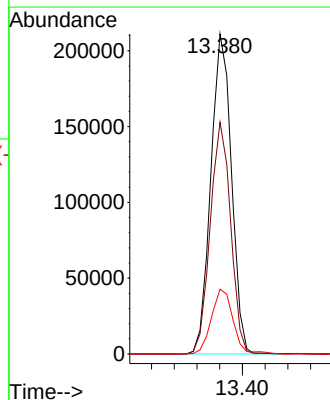
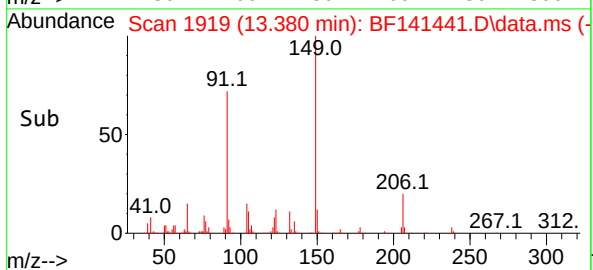
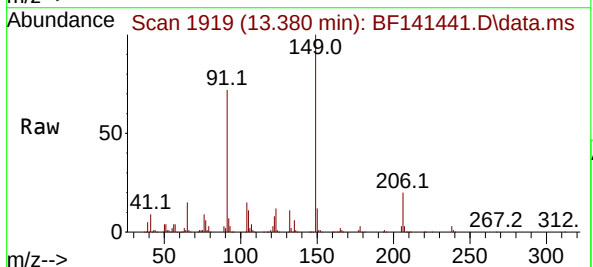
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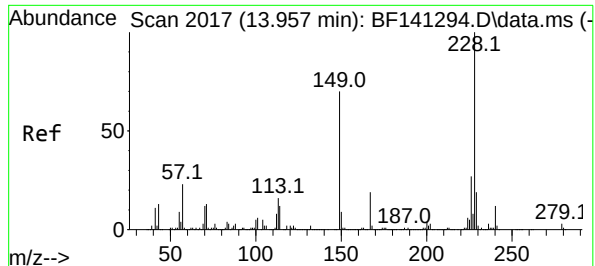
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#80
Butylbenzylphthalate
Concen: 44.766 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

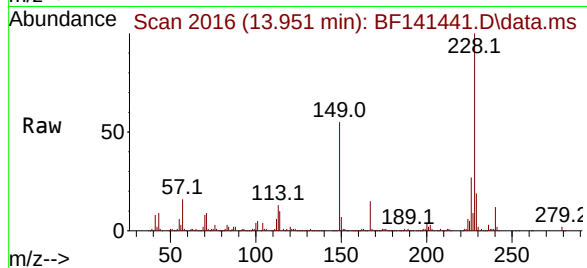
Tgt Ion:149 Resp: 266479
Ion Ratio Lower Upper
149 100
91 72.4 58.6 87.8
206 20.2 16.7 25.1





#81
Benzo(a)anthracene
Concen: 44.478 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

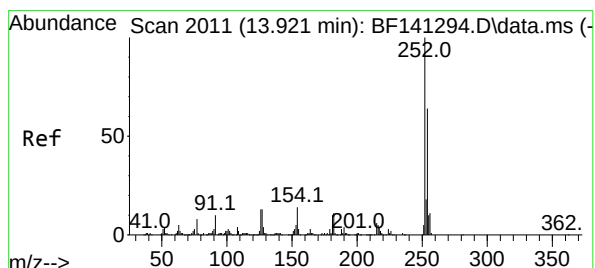
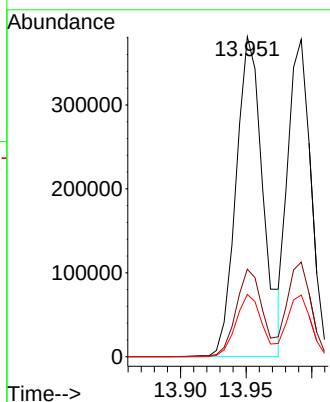
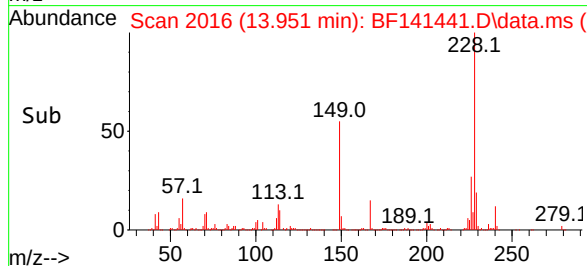
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:228 Resp: 54482
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.5 15.5 23.3

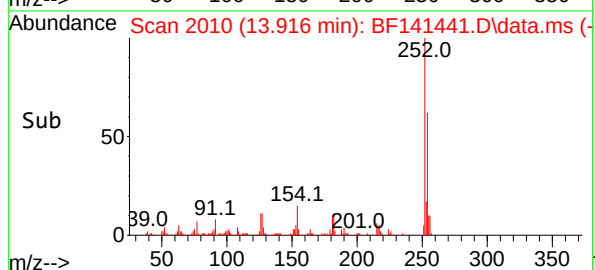
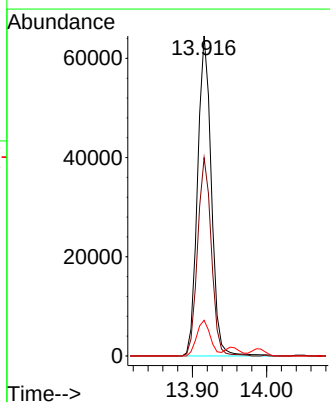
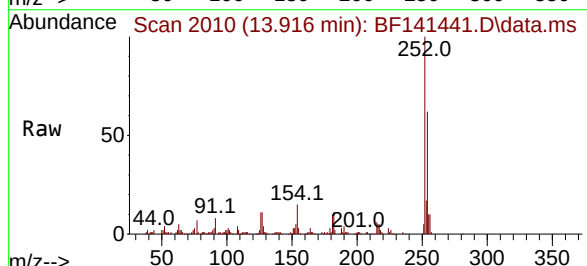
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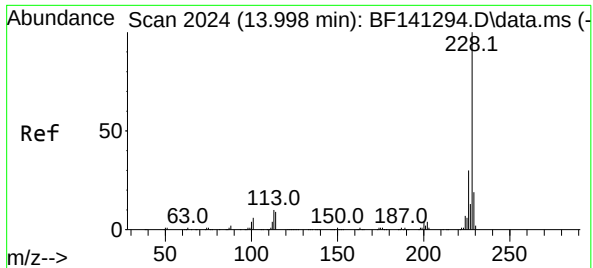
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 21.318 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

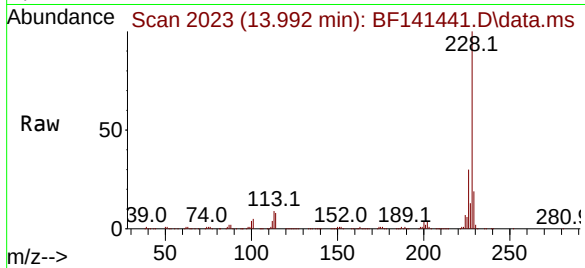
Tgt Ion:252 Resp: 83051
Ion Ratio Lower Upper
252 100
254 62.0 51.3 76.9
126 11.1 10.0 15.0





#83
Chrysene
Concen: 40.990 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

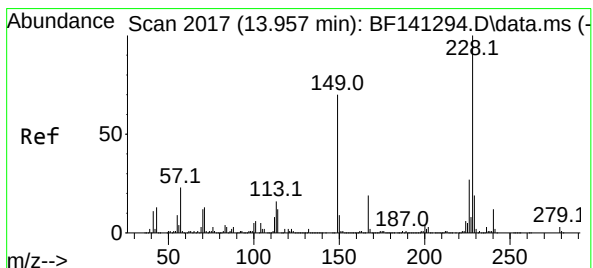
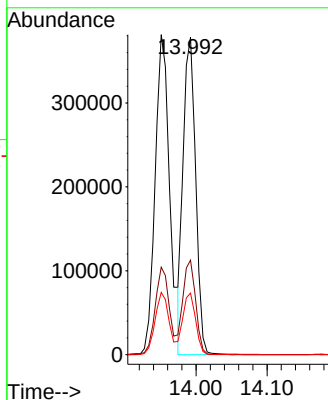
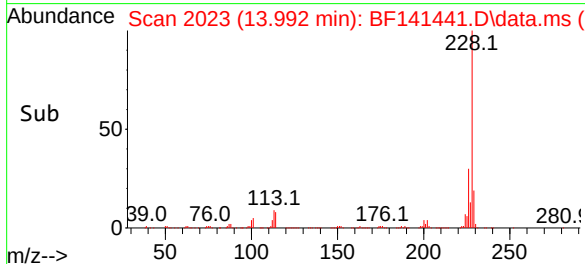
Instrument :
BNA_F
ClientSampleId :
PB166418BS



Tgt Ion:228 Resp: 460149
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 19.4 15.6 23.4

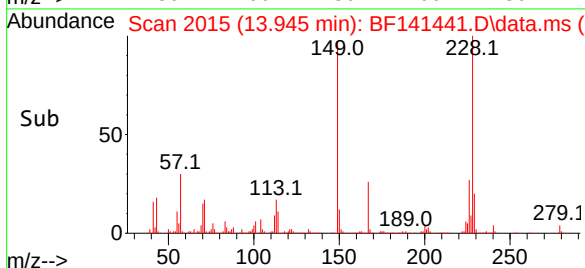
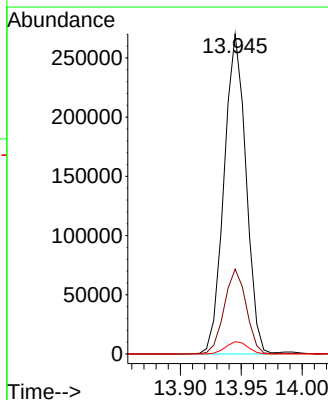
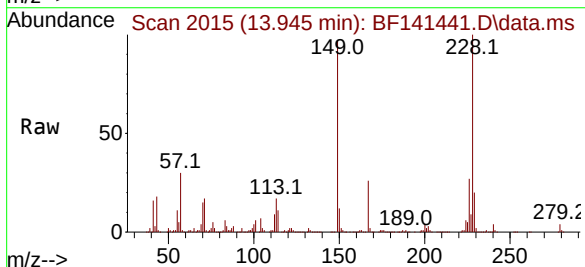
Manual Integrations
APPROVED

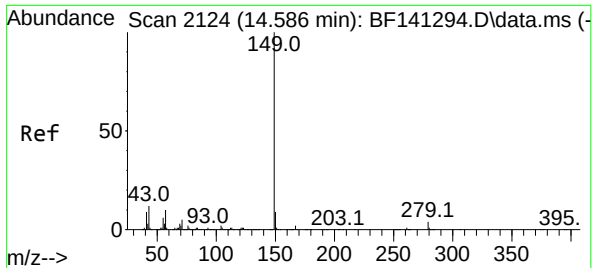
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.864 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

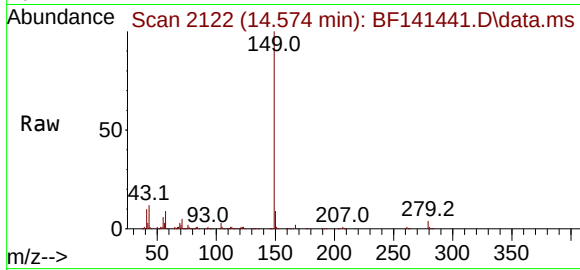
Tgt Ion:149 Resp: 338779
Ion Ratio Lower Upper
149 100
167 26.5 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 41.422 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

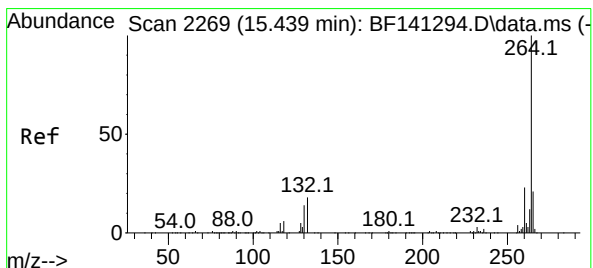
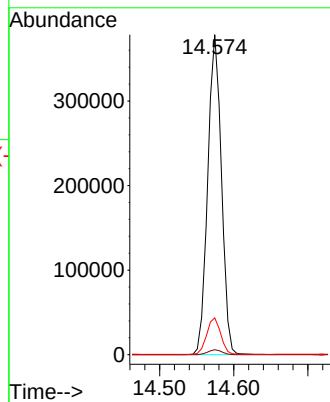
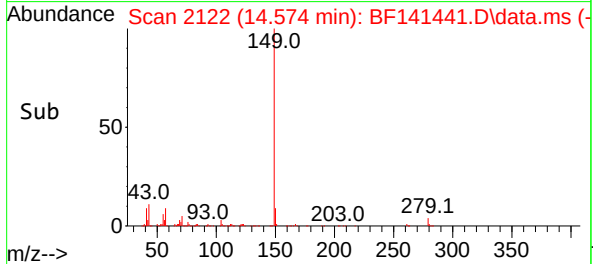
Instrument :
BNA_F
ClientSampleId :
PB166418BS



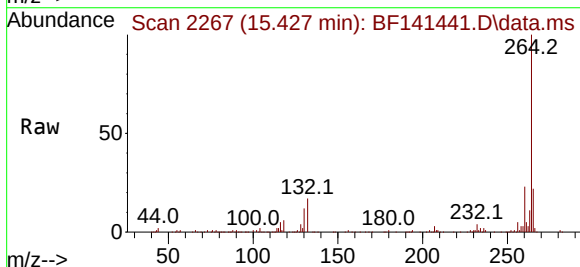
Tgt Ion:149 Resp: 485819
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.6 9.8 14.8

Manual Integrations
APPROVED

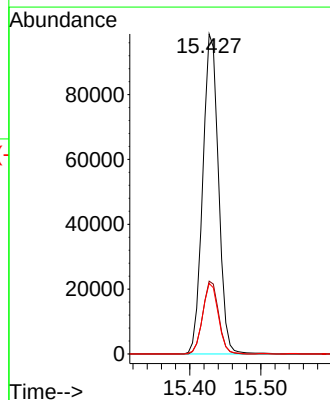
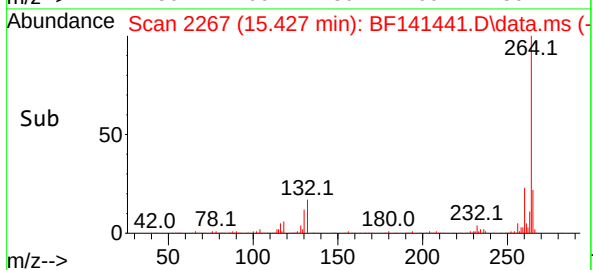
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

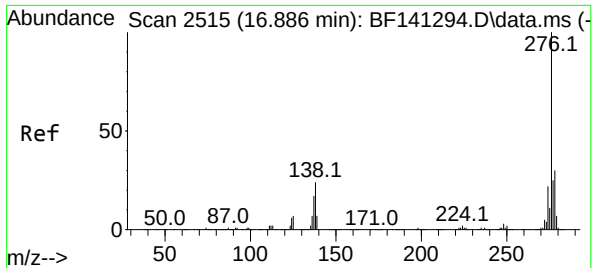


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:264 Resp: 152303
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.023 ng

RT: 16.880 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:276 Resp: 45241

Ion Ratio Lower Upper

276 100

138 22.4 21.7 32.5

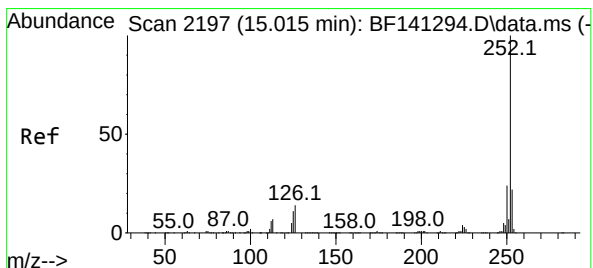
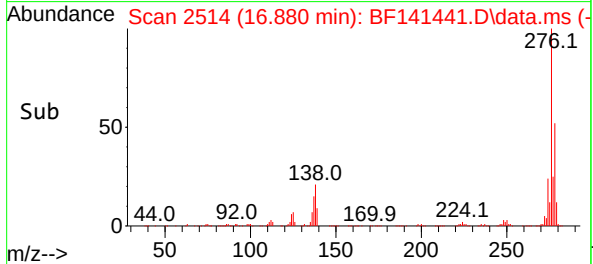
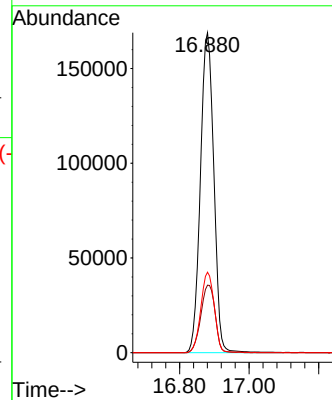
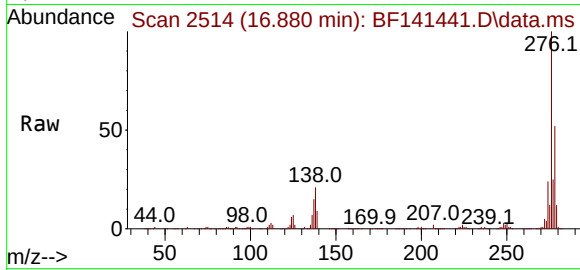
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 42.892 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

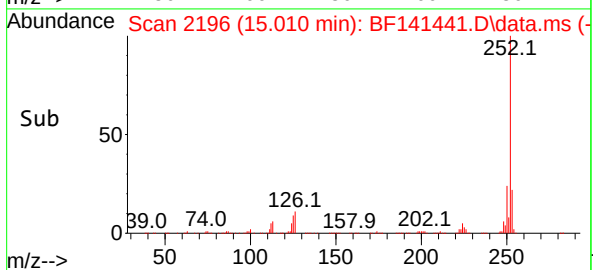
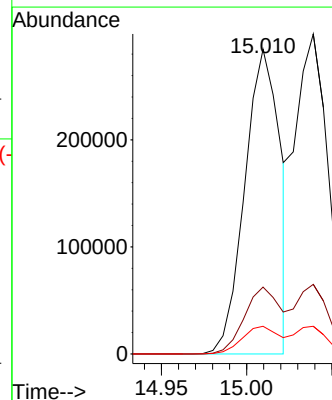
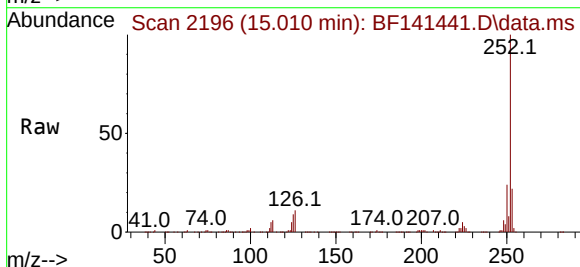
Tgt Ion:252 Resp: 410915

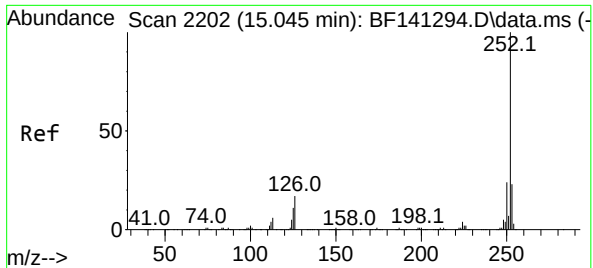
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 9.1 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.796 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

Instrument :

BNA_F

ClientSampleId :

PB166418BS

Tgt Ion:252 Resp: 40564

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

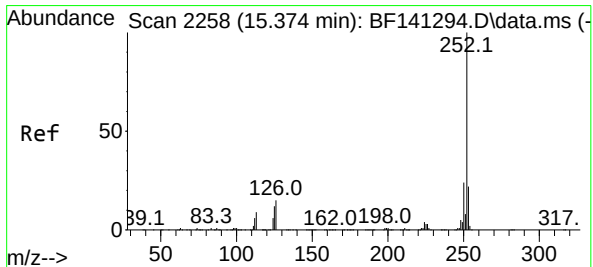
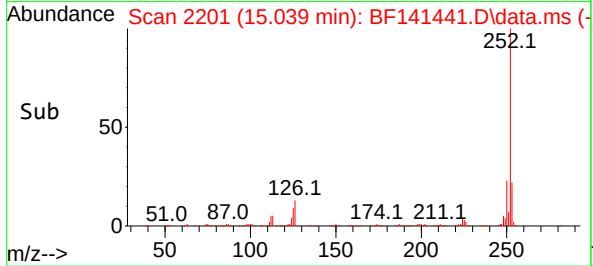
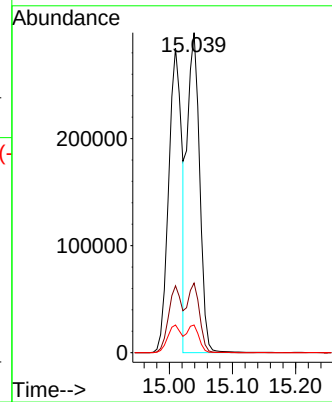
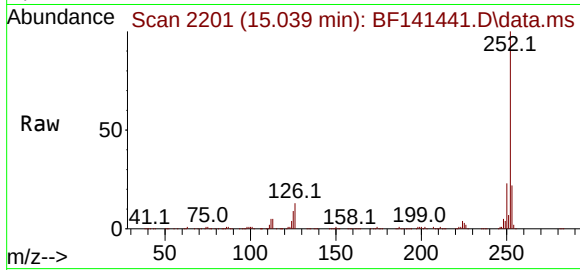
125 8.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 47.846 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141441.D

Acq: 05 Feb 2025 12:39

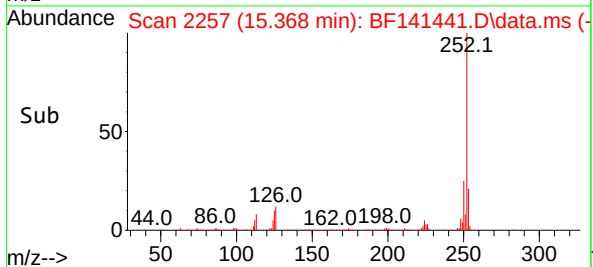
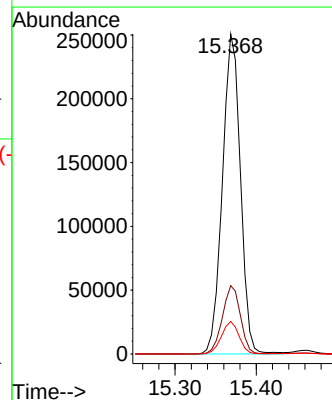
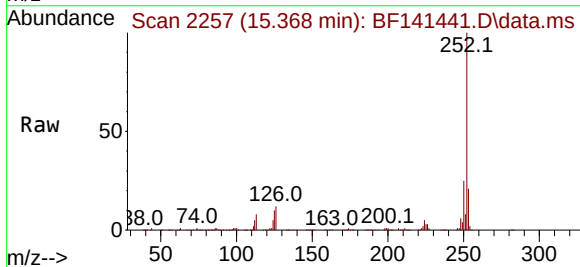
Tgt Ion:252 Resp: 387351

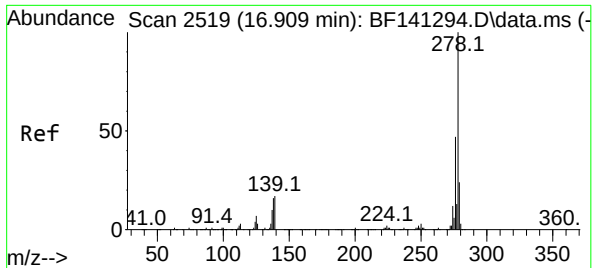
Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

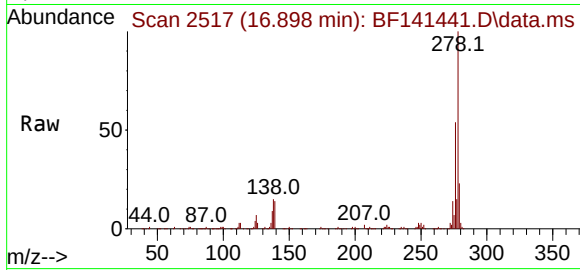
125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 46.150 ng
RT: 16.898 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39

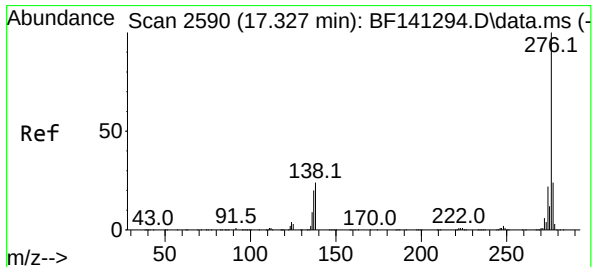
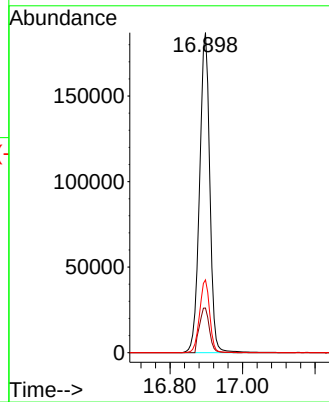
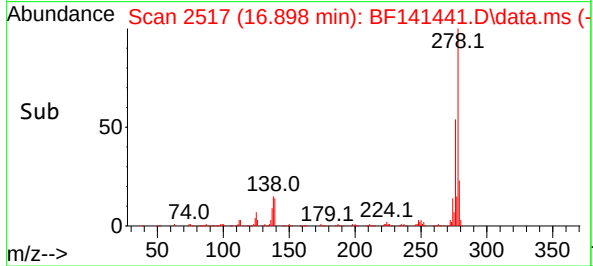
Instrument :
BNA_F
ClientSampleId :
PB166418BS



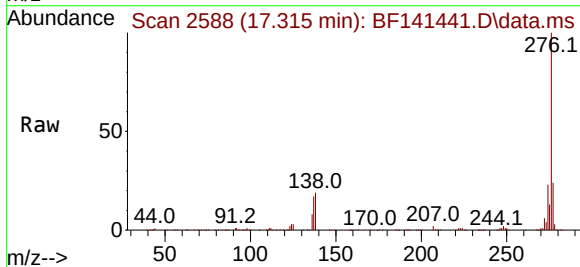
Tgt Ion:278 Resp: 36498
Ion Ratio Lower Upper
278 100
139 14.0 13.9 20.9
279 22.7 18.8 28.2

Manual Integrations
APPROVED

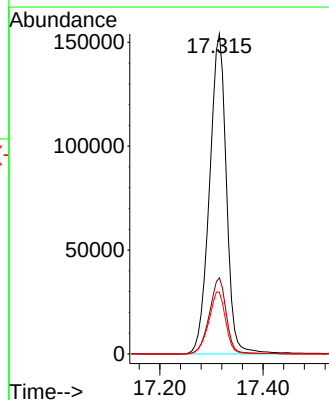
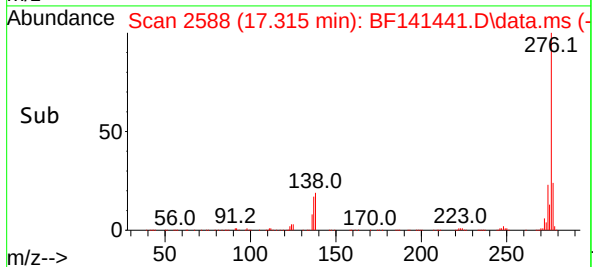
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 42.437 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.029 min
Lab File: BF141441.D
Acq: 05 Feb 2025 12:39



Tgt Ion:276 Resp: 348975
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 19.3 19.0 28.4



Report of Analysis

Client:	RU2 Engineering, LLC		Date Collected:	01/30/25	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR		Date Received:	01/30/25	
Client Sample ID:	357MS		SDG No.:	Q1235	
Lab Sample ID:	Q1239-10MS		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	84.8	
Sample Wt/Vol:	50.06	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
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000		130	230	ug/Kg
108-95-2	Phenol	880		58.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900		59.2	120	ug/Kg
95-57-8	2-Chlorophenol	900		59.0	120	ug/Kg
95-48-7	2-Methylphenol	860		57.0	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	880		64.2	120	ug/Kg
98-86-2	Acetophenone	990		61.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	920		56.4	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	900		28.5	56.5	ug/Kg
67-72-1	Hexachloroethane	860		58.7	120	ug/Kg
98-95-3	Nitrobenzene	840		64.2	120	ug/Kg
78-59-1	Isophorone	900		59.8	120	ug/Kg
88-75-5	2-Nitrophenol	900		66.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		65.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		60.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	900		53.4	120	ug/Kg
91-20-3	Naphthalene	850		58.4	120	ug/Kg
106-47-8	4-Chloroaniline	210		58.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	840		58.9	120	ug/Kg
105-60-2	Caprolactam	990		61.3	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	870		54.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	840		58.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3200	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		50.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	890		52.3	120	ug/Kg
92-52-4	1,1-Biphenyl	990		61.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	850		58.9	120	ug/Kg
88-74-4	2-Nitroaniline	900		67.1	120	ug/Kg
131-11-3	Dimethylphthalate	910		57.7	120	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MS	SDG No.:	Q1235
Lab Sample ID:	Q1239-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.06 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
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		61.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	860		58.8	120	ug/Kg
99-09-2	3-Nitroaniline	530		63.0	120	ug/Kg
83-32-9	Acenaphthene	980		57.3	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1600		82.0	230	ug/Kg
132-64-9	Dibenzofuran	870		59.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	880		60.9	120	ug/Kg
84-66-2	Diethylphthalate	900		56.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	850		60.5	120	ug/Kg
86-73-7	Fluorene	850		60.4	120	ug/Kg
100-01-6	4-Nitroaniline	800		75.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		82.7	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		57.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	970		55.8	120	ug/Kg
118-74-1	Hexachlorobenzene	940		60.1	120	ug/Kg
1912-24-9	Atrazine	1000		64.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		54.6	230	ug/Kg
85-01-8	Phenanthrene	940		59.4	120	ug/Kg
120-12-7	Anthracene	950		59.6	120	ug/Kg
86-74-8	Carbazole	850		56.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	960		59.6	120	ug/Kg
206-44-0	Fluoranthene	840		57.7	120	ug/Kg
129-00-0	Pyrene	740		58.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	860		68.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	670		69.7	230	ug/Kg
56-55-3	Benzo(a)anthracene	860		57.0	120	ug/Kg
218-01-9	Chrysene	910		56.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	890		64.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		77.7	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		57.3	120	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MS	SDG No.:	Q1235
Lab Sample ID:	Q1239-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.06 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
BF141345.D	1	01/31/25 10:20	01/31/25 21:23	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	890		58.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	990		65.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	720		55.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		57.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	640		56.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		61.3	120	ug/Kg
123-91-1	1,4-Dioxane	900		77.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	930		52.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	80.0		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	78.3		15 - 107	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.3		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.2		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.6		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.0		10 - 105	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.798			
1146-65-2	Naphthalene-d8	602000	8.08			
15067-26-2	Acenaphthene-d10	314000	9.839			
1517-22-2	Phenanthrene-d10	473000	11.321			
1719-03-5	Chrysene-d12	293000	13.968			
1520-96-3	Perylene-d12	308000	15.427			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141345.D
 Acq On : 31 Jan 2025 21:23
 Operator : RC/JU
 Sample : Q1239-10MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:32:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	151192	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	601644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	313664	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	473142	20.000	ng	0.00
76) Chrysene-d12	13.968	240	293043	20.000	ng	0.00
86) Perylene-d12	15.427	264	307605	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	787627	79.976	ng	0.01
7) Phenol-d6	6.439	99	981320	78.328	ng	0.00
23) Nitrobenzene-d5	7.363	82	619406	54.273	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	231727	80.585	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1083777	53.182	ng	0.00
79) Terphenyl-d14	12.910	244	874602	46.027	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.575	88	165733	38.264	ng	99
3) Pyridine	3.298	79	384595	36.854	ng	99
4) n-Nitrosodimethylamine	3.245	42	227306	38.129	ng	99
6) Aniline	6.463	93	336670	31.746	ng	# 45
8) 2-Chlorophenol	6.592	128	404289	38.301	ng	96
9) Benzaldehyde	6.351	77	317142	43.702	ng	98
10) Phenol	6.457	94	493779	37.180	ng	# 74
11) bis(2-Chloroethyl)ether	6.533	93	388205	38.123	ng	98
12) 1,3-Dichlorobenzene	6.739	146	414966	35.654	ng	99
13) 1,4-Dichlorobenzene	6.816	146	424165	36.277	ng	99
14) 1,2-Dichlorobenzene	6.969	146	404969	36.989	ng	99
15) Benzyl Alcohol	6.945	79	346393	40.458	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	658459	37.186	ng	60
17) 2-Methylphenol	7.069	107	314785	36.693	ng	# 89
18) Hexachloroethane	7.310	117	157921	36.612	ng	98
19) n-Nitroso-di-n-propyla...	7.216	70	283547	38.089	ng	97
20) 3+4-Methylphenols	7.222	107	411800	39.094	ng	# 74
22) Acetophenone	7.210	105	603872	42.226	ng	# 95
24) Nitrobenzene	7.380	77	423464	35.804	ng	100
25) Isophorone	7.622	82	750009	38.017	ng	99
26) 2-Nitrophenol	7.698	139	213106	38.205	ng	100
27) 2,4-Dimethylphenol	7.745	122	341777m	48.140	ng	
28) bis(2-Chloroethoxy)met...	7.833	93	471410	37.461	ng	99
29) 2,4-Dichlorophenol	7.951	162	330540	38.030	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	346729	34.931	ng	100
31) Naphthalene	8.104	128	1142619	35.950	ng	100
32) Benzoic acid	7.869	122	268361	41.118	ng	99
33) 4-Chloroaniline	8.151	127	94625	8.780	ng	99
34) Hexachlorobutadiene	8.222	225	207482	35.644	ng	99
35) Caprolactam	8.522	113	119199m	41.992	ng	
36) 4-Chloro-3-methylphenol	8.651	107	344306	36.931	ng	99
37) 2-Methylnaphthalene	8.792	142	719070	35.596	ng	99
38) 1-Methylnaphthalene	8.892	142	691309	34.838	ng	99
40) 1,2,4,5-Tetrachloroben...	8.963	216	364026	40.795	ng	98
41) Hexachlorocyclopentadiene	8.945	237	361996	137.363	ng	99
43) 2,4,6-Trichlorophenol	9.074	196	226989	38.863	ng	99

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 Data File : BF141345.D
 Acq On : 31 Jan 2025 21:23
 Operator : RC/JU
 Sample : Q1239-10MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:32:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

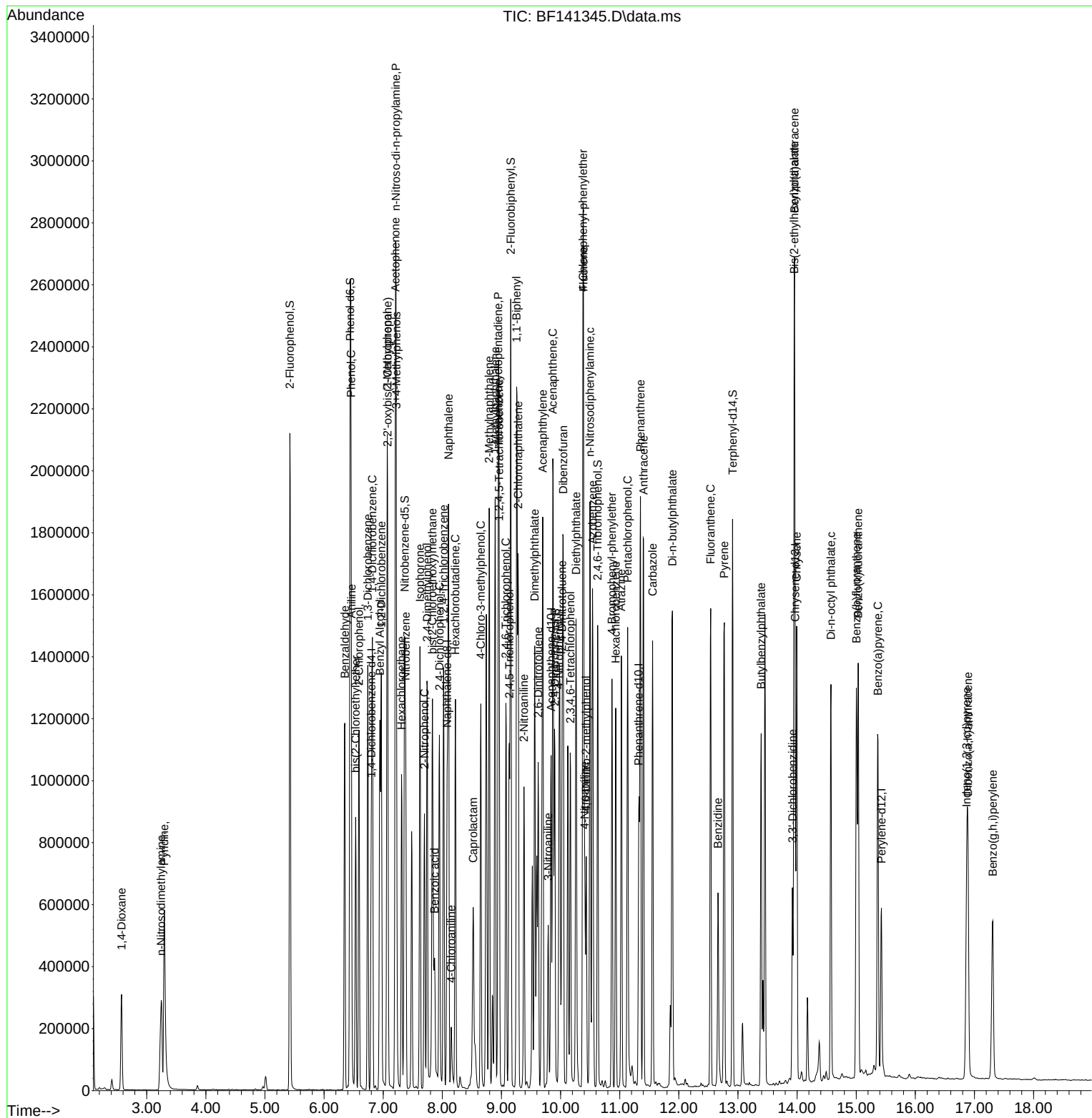
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	239509	37.677	ng	98
46) 1,1'-Biphenyl	9.257	154	1024211	41.869	ng	100
47) 2-Chloronaphthalene	9.280	162	688178	36.093	ng	99
48) 2-Nitroaniline	9.380	65	229753	38.310	ng	97
49) Acenaphthylene	9.698	152	1062919	39.825	ng	99
50) Dimethylphthalate	9.563	163	818537	38.638	ng	99
51) 2,6-Dinitrotoluene	9.621	165	179980	36.590	ng	99
52) Acenaphthene	9.869	154	791404	41.505	ng	100
53) 3-Nitroaniline	9.792	138	109113	22.633	ng	100
54) 2,4-Dinitrophenol	9.904	184	212958	93.135	ng	99
55) Dibenzofuran	10.045	168	939171	36.797	ng	99
56) 4-Nitrophenol	9.974	139	239854	68.029	ng	96
57) 2,4-Dinitrotoluene	10.027	165	236895	37.198	ng	98
58) Fluorene	10.386	166	712526	35.991	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	196384	39.268	ng	100
60) Diethylphthalate	10.263	149	784853	38.209	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	349993	36.192	ng	100
62) 4-Nitroaniline	10.410	138	161854	34.148	ng	100
63) Azobenzene	10.539	77	851960	41.435	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	132221	47.245	ng	98
66) n-Nitrosodiphenylamine	10.498	169	642080	41.957	ng	100
67) 4-Bromophenyl-phenylether	10.868	248	217834	41.124	ng	98
68) Hexachlorobenzene	10.933	284	224609	39.975	ng	98
69) Atrazine	11.027	200	226664	44.300	ng	99
70) Pentachlorophenol	11.133	266	252064	76.609	ng	98
71) Phenanthrene	11.351	178	1014716	39.897	ng	99
72) Anthracene	11.404	178	1006998	40.409	ng	100
73) Carbazole	11.557	167	800284	36.217	ng	99
74) Di-n-butylphthalate	11.892	149	1086017	40.554	ng	100
75) Fluoranthene	12.539	202	898790	35.790	ng	100
77) Benzidine	12.662	184	354432	37.728	ng	99
78) Pyrene	12.768	202	887523	31.552	ng	100
80) Butylbenzylphthalate	13.392	149	358143	36.444	ng	99
81) Benzo(a)anthracene	13.957	228	736238	36.408	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	183871	28.589	ng	99
83) Chrysene	13.992	228	714615	38.560	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	472896	37.934	ng	99
85) Di-n-octyl phthalate	14.574	149	842065	43.490	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	608369	30.643	ng	99
88) Benzo(b)fluoranthene	15.004	252	827249	42.754	ng	99
89) Benzo(k)fluoranthene	15.033	252	648817	37.852	ng	100
90) Benzo(a)pyrene	15.368	252	688279	42.094	ng	99
91) Dibenzo(a,h)anthracene	16.892	278	491983	30.801	ng	100
92) Benzo(g,h,i)perylene	17.309	276	450156	27.104	ng	99

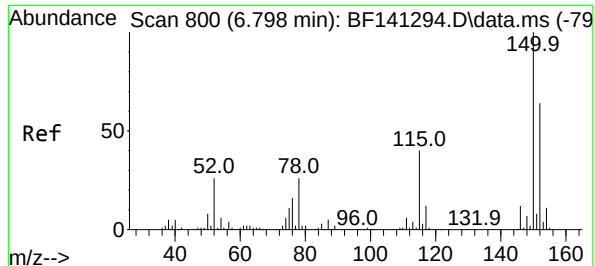
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Instrument :
BNA_F
ClientSampleId :
357MS

Manual Integrations

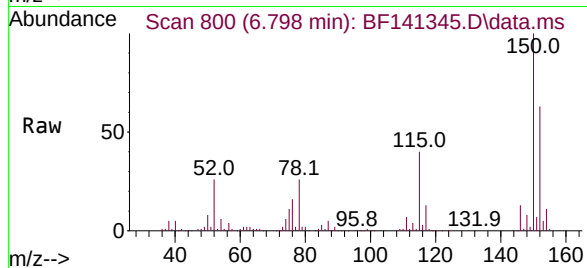
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

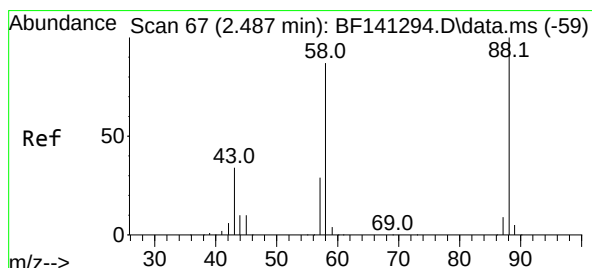
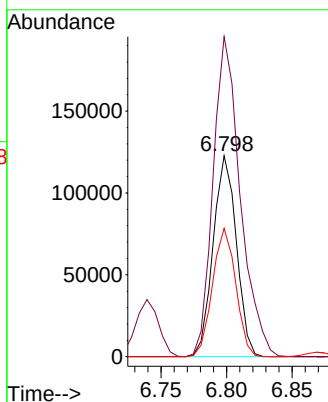
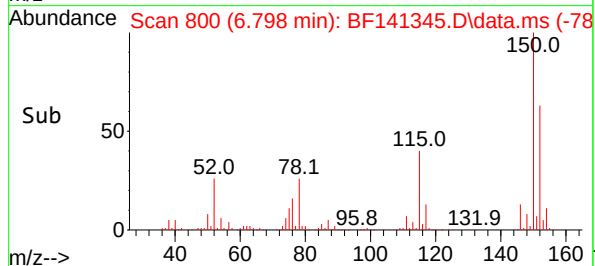
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:152 Resp: 151192
Ion Ratio Lower Upper
152 100
150 159.3 125.9 188.9
115 63.9 49.7 74.5

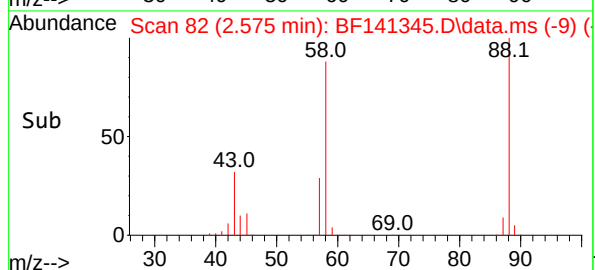
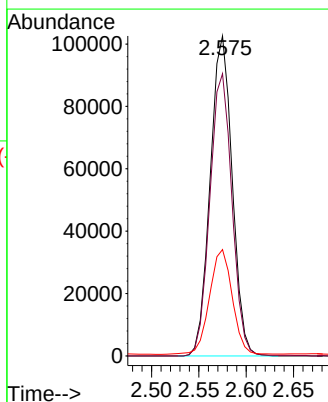
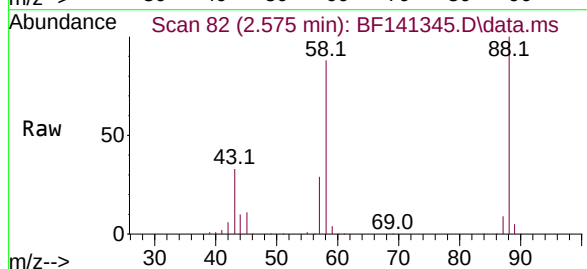
Manual Integrations
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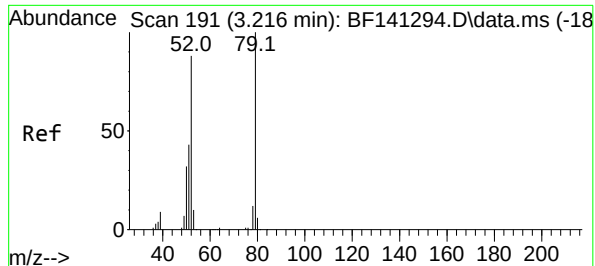
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 38.264 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.082 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

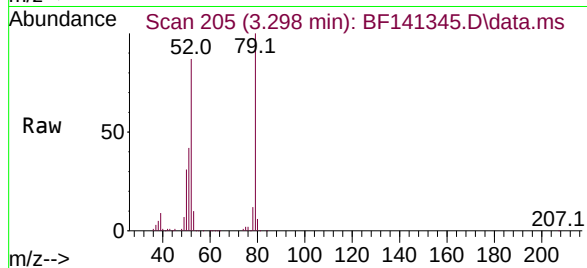
Tgt Ion: 88 Resp: 165733
Ion Ratio Lower Upper
88 100
58 88.8 70.2 105.4
43 34.0 27.6 41.4





#3
Pyridine
Concen: 36.854 ng
RT: 3.298 min Scan# 205
Delta R.T. 0.070 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

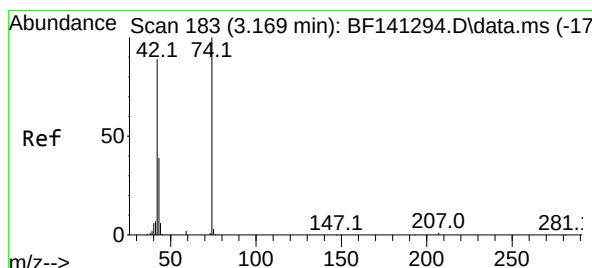
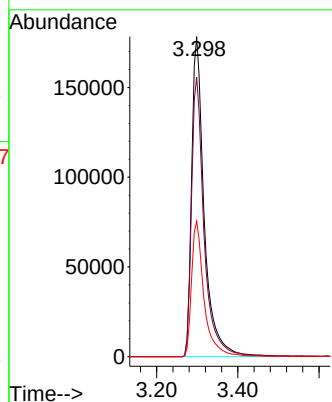
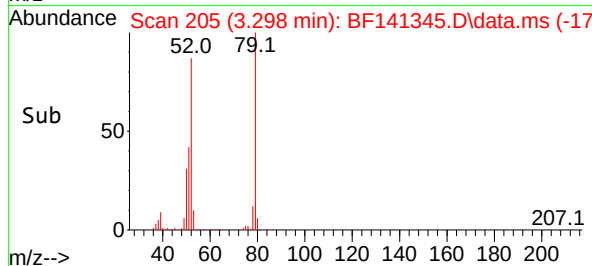
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion: 79 Resp: 38459
Ion Ratio Lower Upper
79 100
52 87.4 70.3 105.5
51 42.4 34.3 51.5

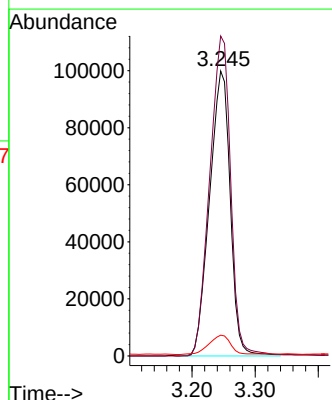
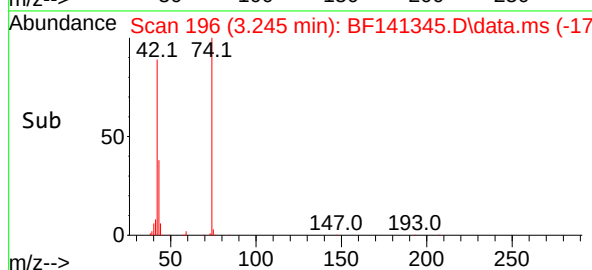
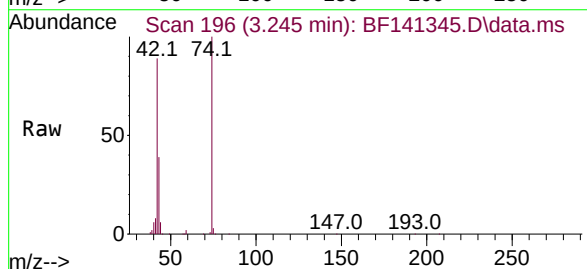
Manual Integrations
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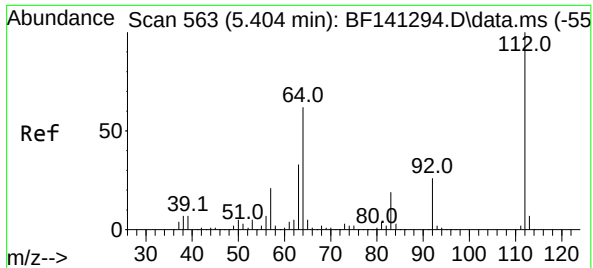
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#4
n-Nitrosodimethylamine
Concen: 38.129 ng
RT: 3.245 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion: 42 Resp: 227306
Ion Ratio Lower Upper
42 100
74 112.3 90.3 135.5
44 7.3 5.7 8.5





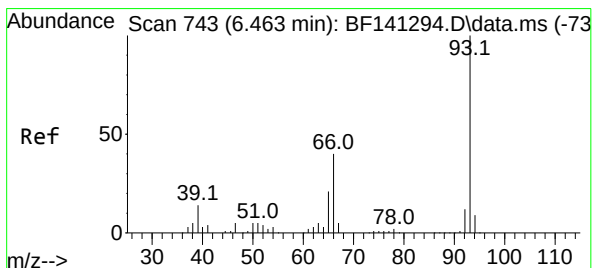
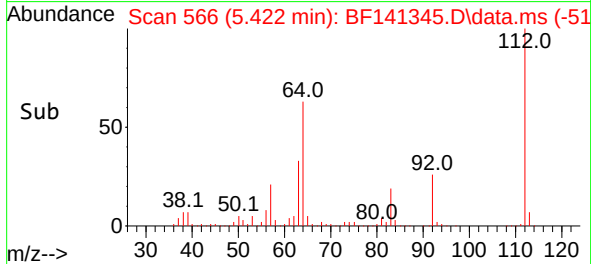
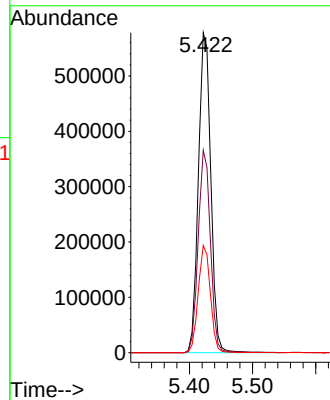
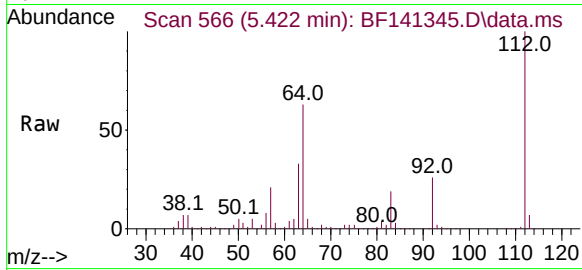
#5
2-Fluorophenol
Concen: 79.976 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Instrument :
BNA_F
ClientSampleId :
357MS

Tgt Ion:112 Resp: 78762
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 33.5 26.1 39.1

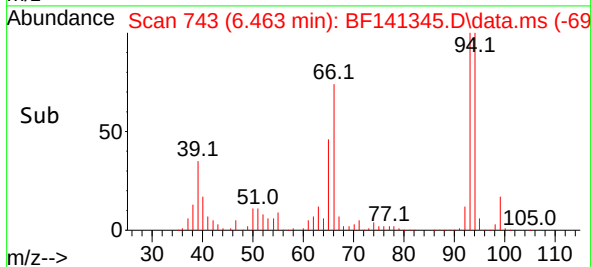
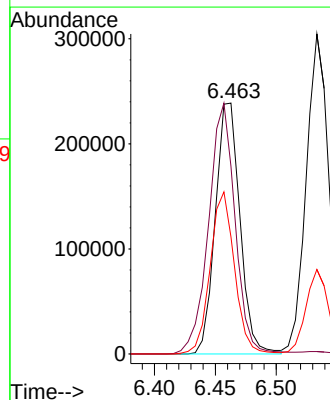
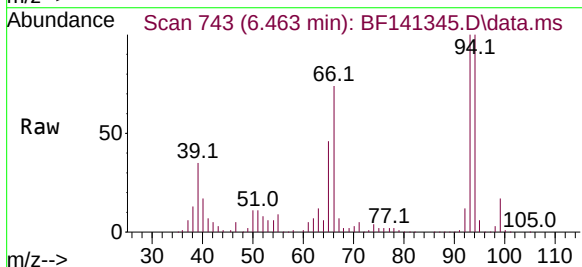
Manual Integrations
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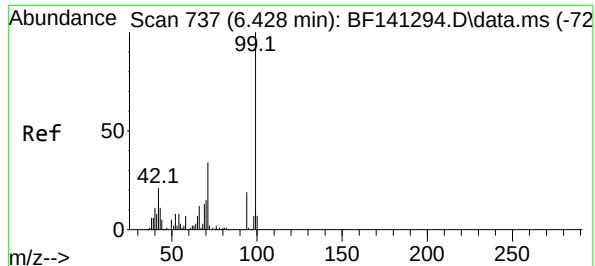
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 31.746 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

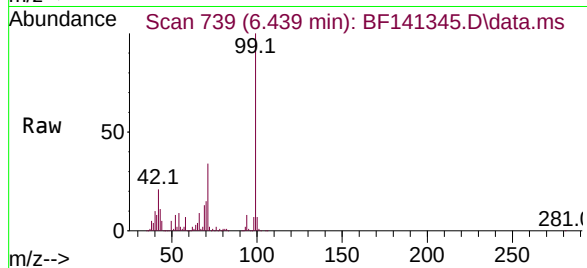
Tgt Ion: 93 Resp: 336670
Ion Ratio Lower Upper
93 100
66 74.8 32.5 48.7#
65 46.7 17.0 25.6#





#7
Phenol-d6
Concen: 78.328 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

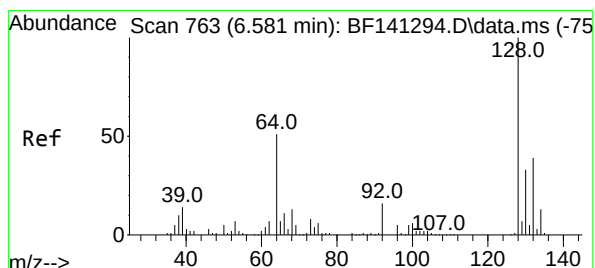
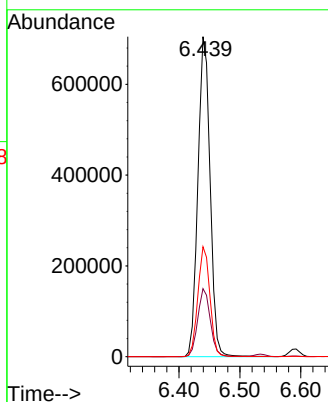
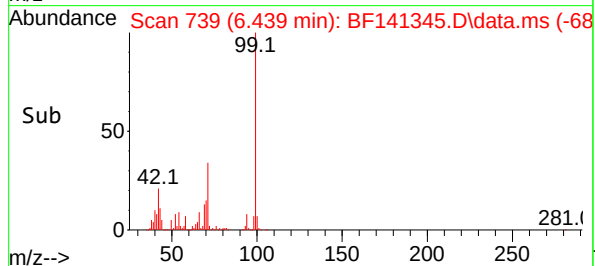
Instrument :
BNA_F
ClientSampleId :
357MS



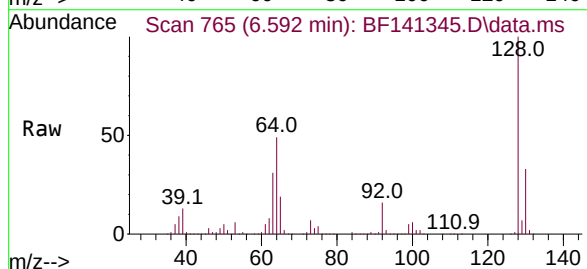
Tgt Ion: 99 Resp: 981320
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 34.4 26.9 40.3

Manual Integrations
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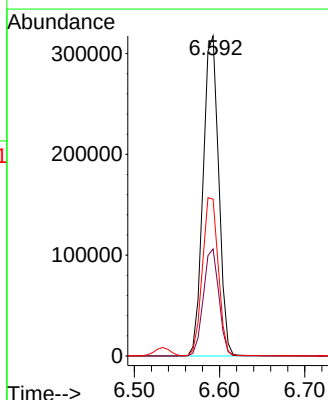
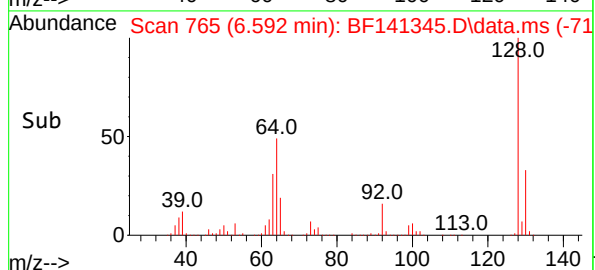
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

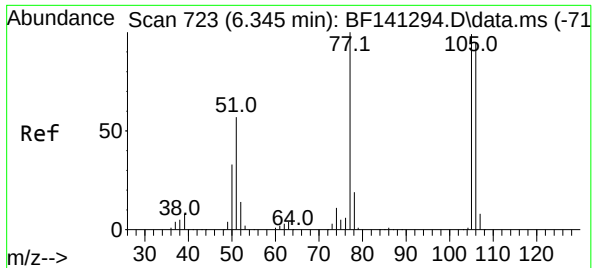


#8
2-Chlorophenol
Concen: 38.301 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



Tgt Ion:128 Resp: 404289
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 49.0 32.9 72.9





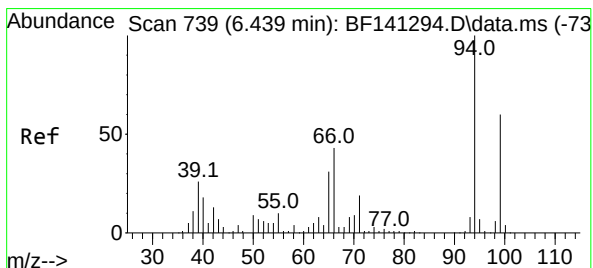
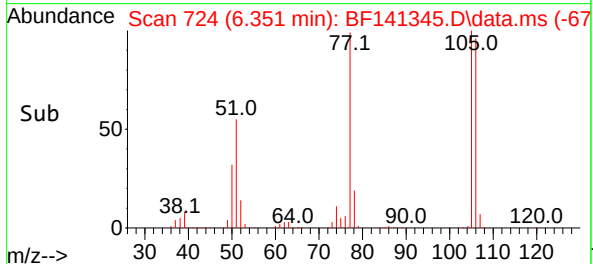
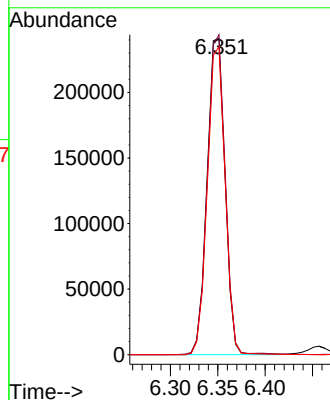
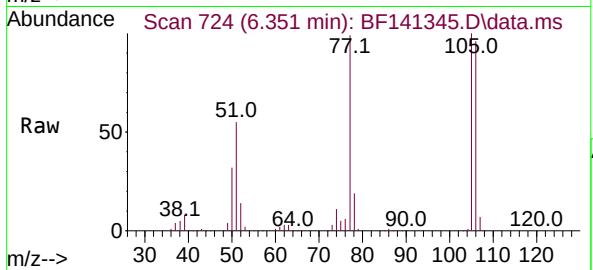
#9
Benzaldehyde
Concen: 43.702 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Instrument :
BNA_F
ClientSampleId :
357MS

Tgt Ion: 77 Resp: 31714
Ion Ratio Lower Upper
77 100
105 101.2 79.4 119.4
106 97.3 74.6 114.6

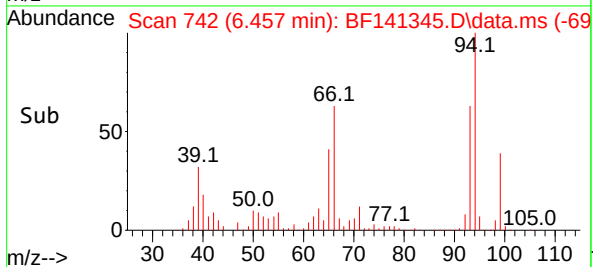
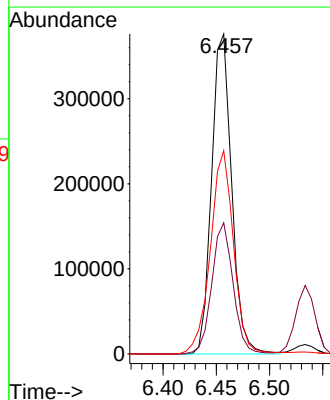
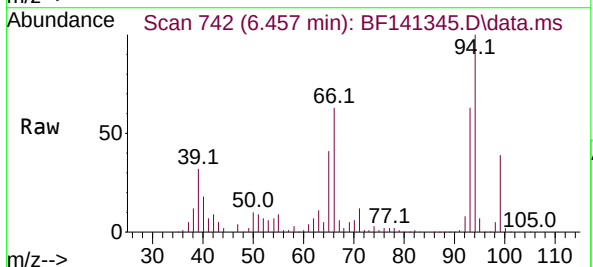
Manual Integrations
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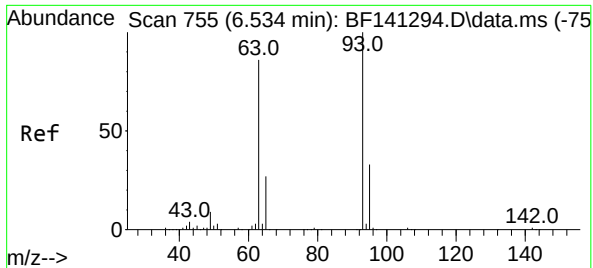
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#10
Phenol
Concen: 37.180 ng
RT: 6.457 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

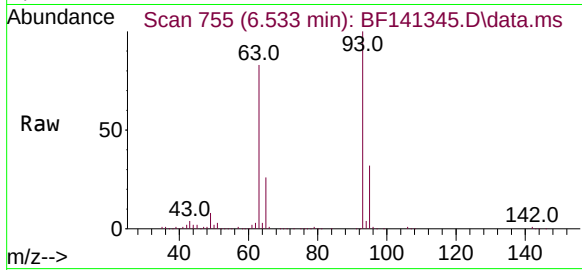
Tgt Ion: 94 Resp: 493779
Ion Ratio Lower Upper
94 100
65 41.0 10.8 50.8
66 63.5 23.3 63.3#





#11
bis(2-Chloroethyl)ether
Concen: 38.123 ng
RT: 6.533 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

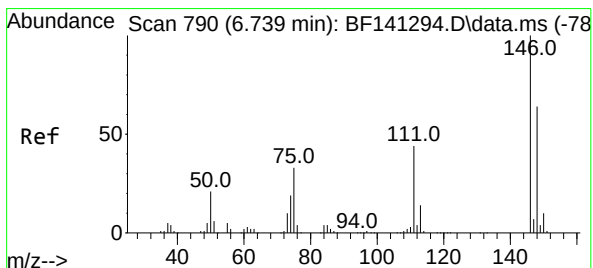
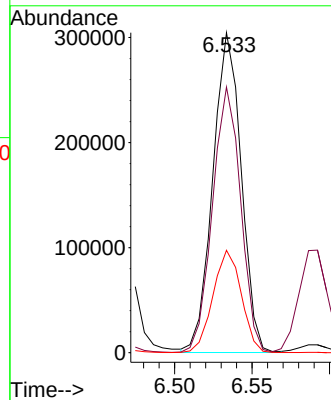
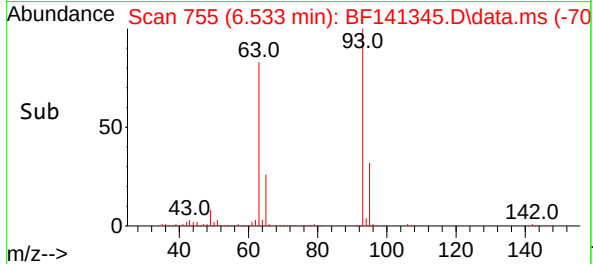
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion: 93 Resp: 38820
Ion Ratio Lower Upper
93 100
63 83.0 65.0 105.0
95 32.0 12.4 52.4

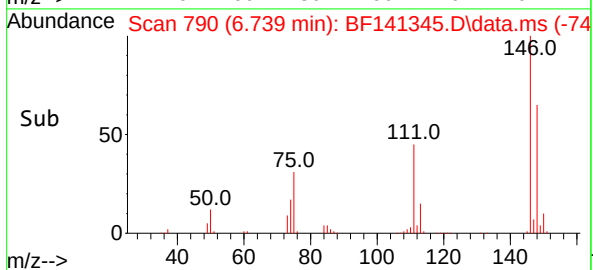
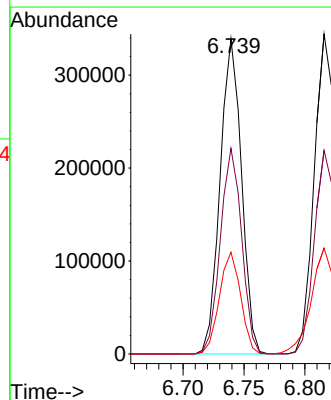
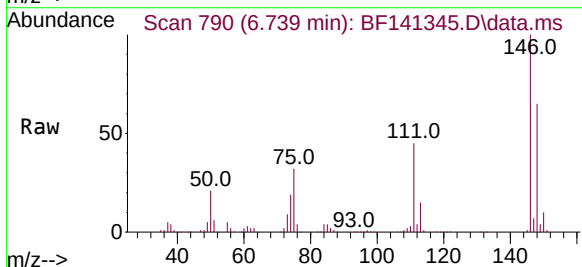
Manual Integrations
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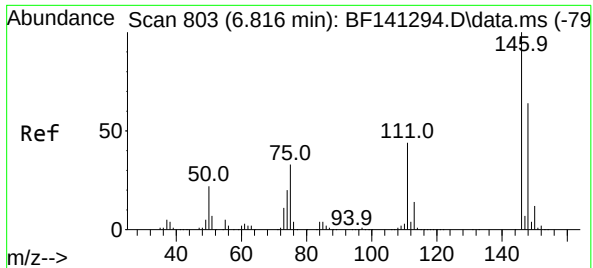
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 35.654 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:146 Resp: 414966
Ion Ratio Lower Upper
146 100
148 65.2 51.2 76.8
75 32.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 36.277 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:146 Resp: 42416

Ion Ratio Lower Upper

146 100

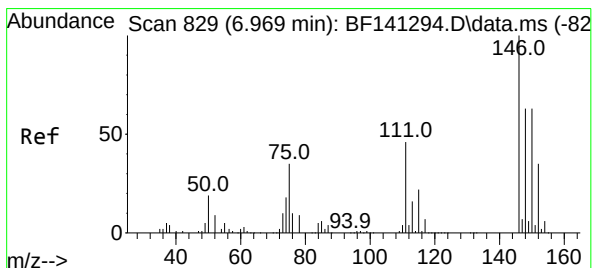
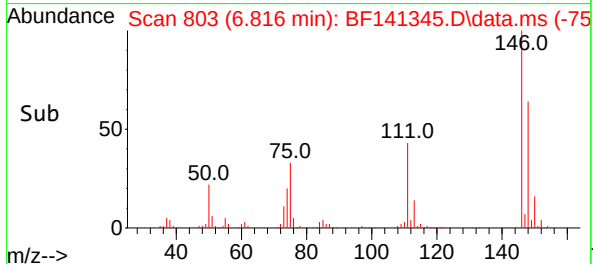
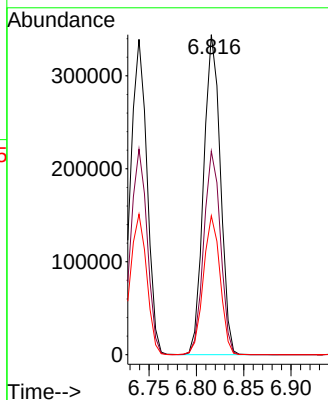
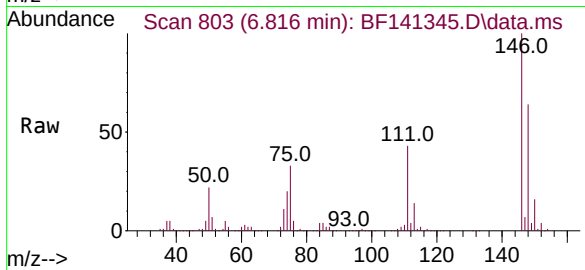
148 63.6 51.2 76.8

111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#14

1,2-Dichlorobenzene

Concen: 36.989 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

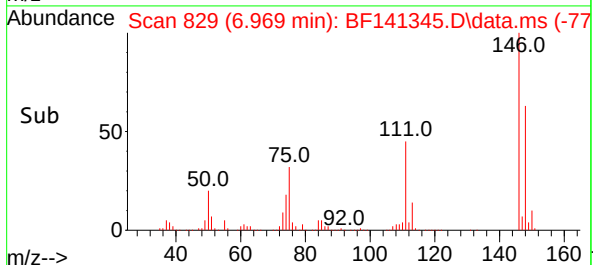
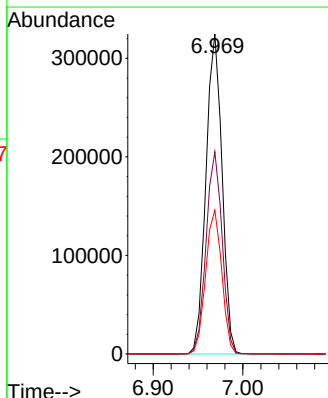
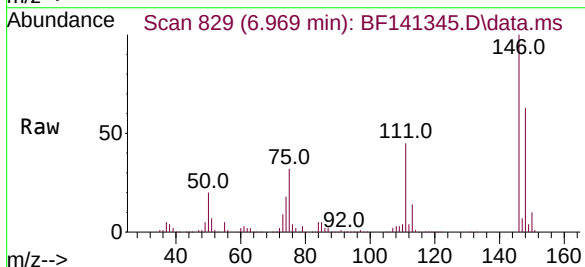
Tgt Ion:146 Resp: 404969

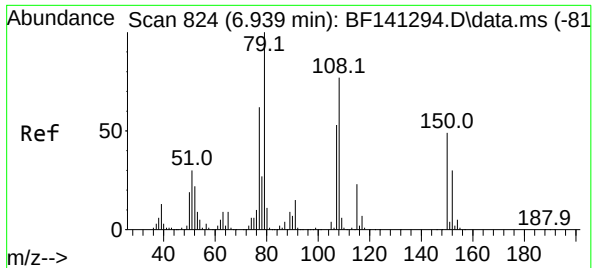
Ion Ratio Lower Upper

146 100

148 63.2 50.5 75.7

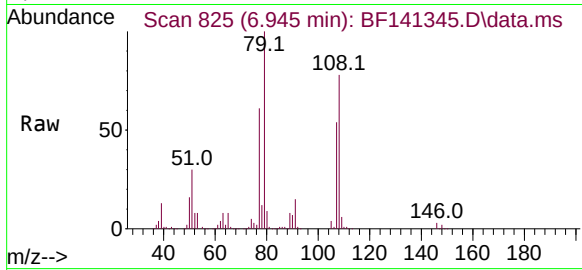
111 44.9 36.6 55.0





#15
Benzyl Alcohol
Concen: 40.458 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

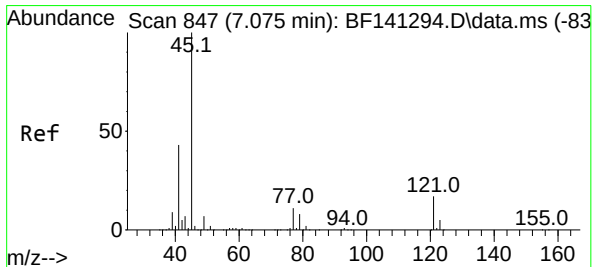
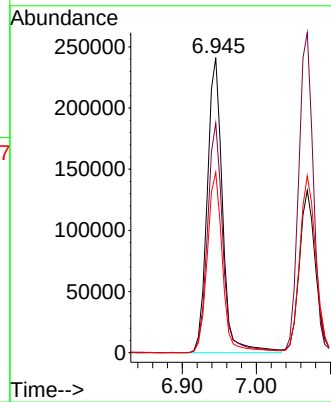
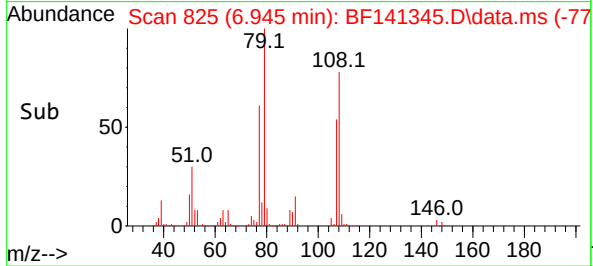
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion: 79 Resp: 34639
Ion Ratio Lower Upper
79 100
108 77.8 61.4 92.0
77 61.1 49.9 74.9

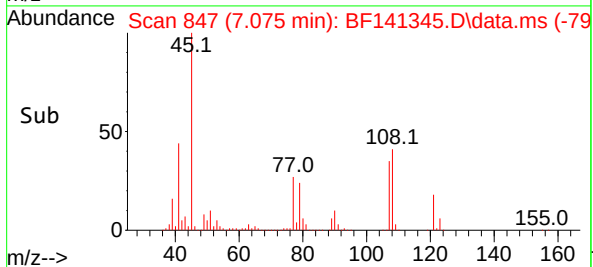
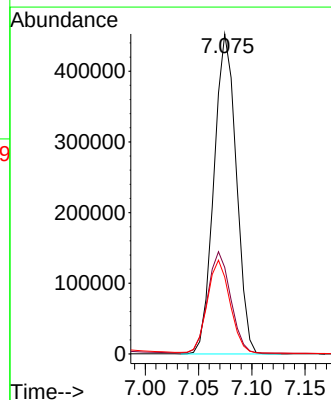
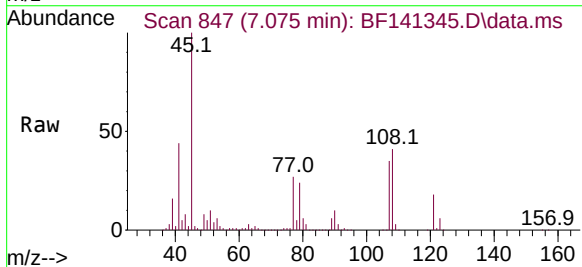
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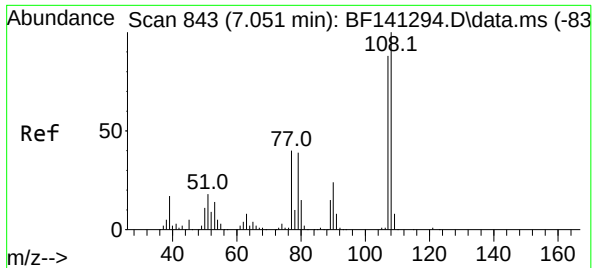
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.186 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

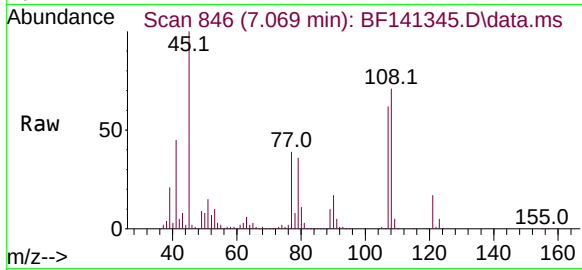
Tgt Ion: 45 Resp: 658459
Ion Ratio Lower Upper
45 100
77 27.1 0.0 31.8
79 24.0 0.0 29.1





#17
2-Methylphenol
Concen: 36.693 ng
RT: 7.069 min Scan# 843
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

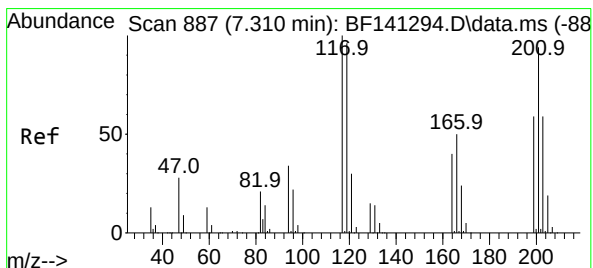
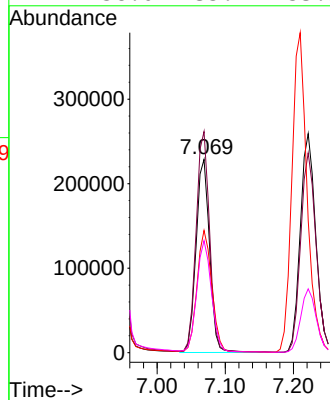
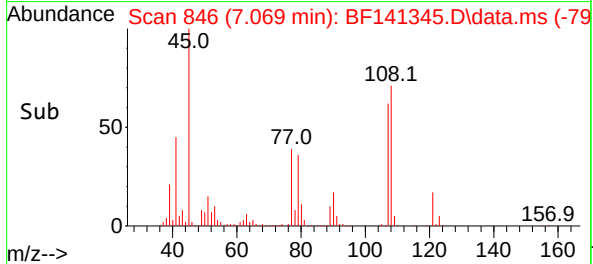
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:107 Resp: 314785
Ion Ratio Lower Upper
107 100
108 114.3 90.8 136.2
77 63.2 36.2 54.4
79 58.0 35.7 53.5#

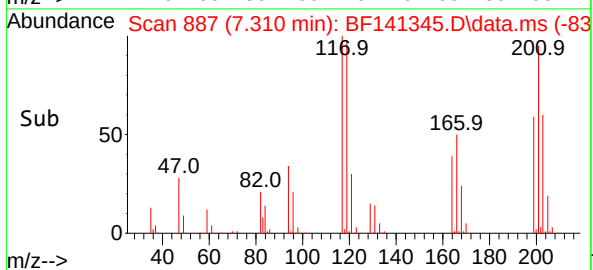
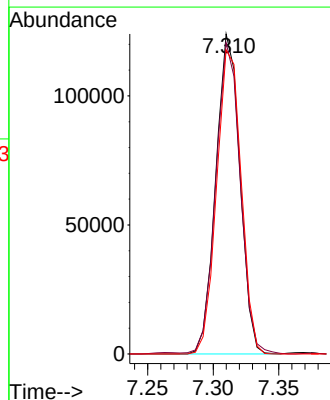
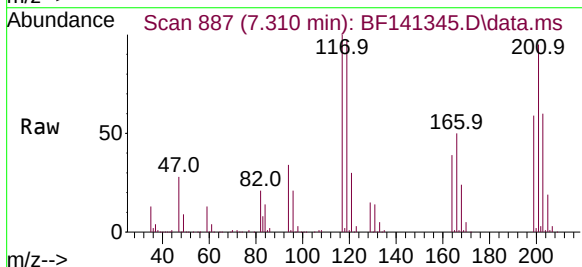
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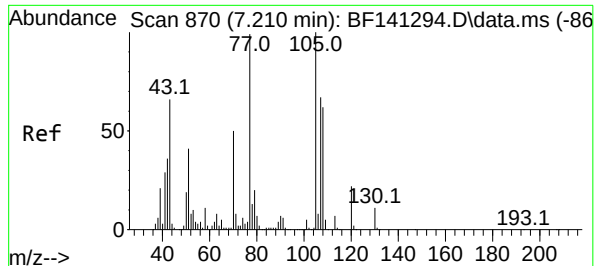
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 36.612 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:117 Resp: 157921
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
201 95.1 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 38.089 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion: 70 Resp: 28354

Ion Ratio Lower Upper

70 100

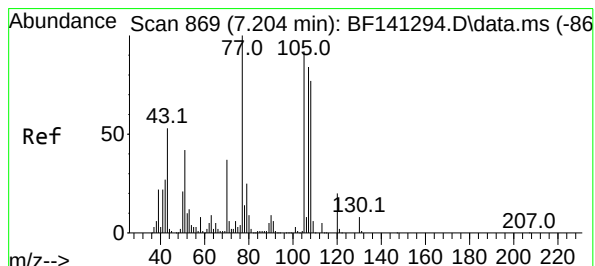
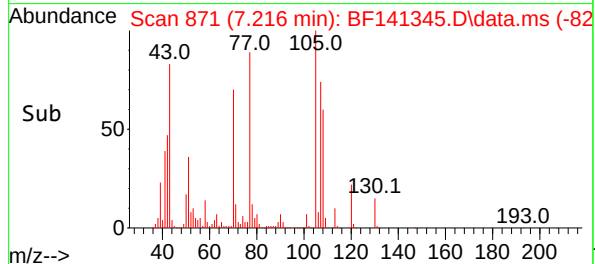
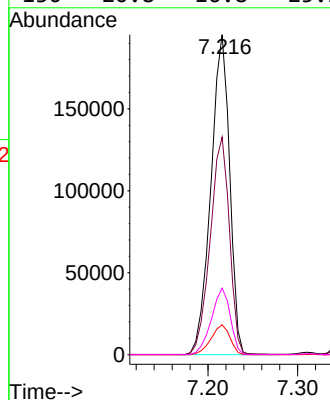
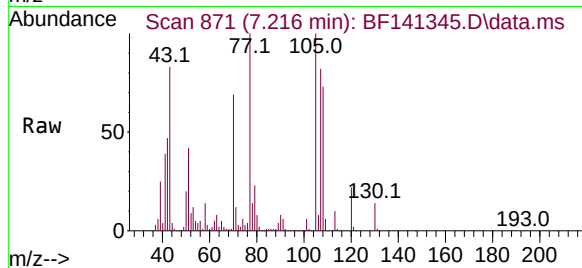
42 68.0 56.8 85.2

101 9.4 7.7 11.5

130 20.8 16.8 25.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

Concen: 39.094 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Tgt Ion:107 Resp: 411800

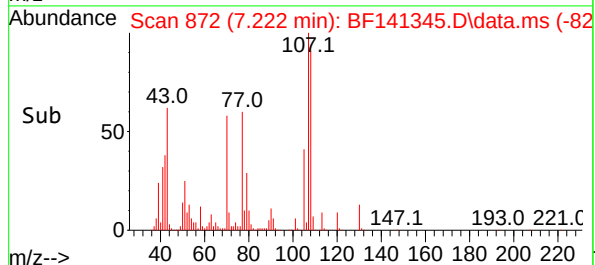
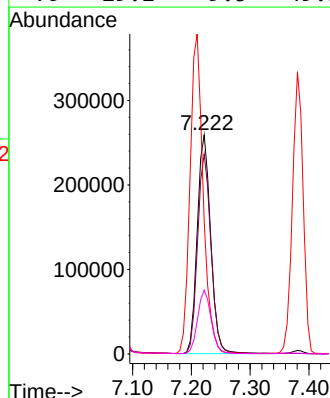
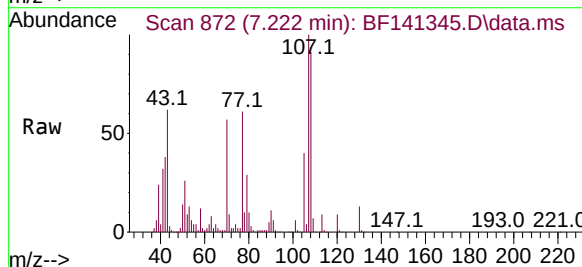
Ion Ratio Lower Upper

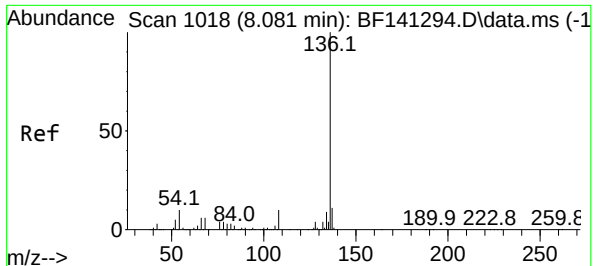
107 100

108 91.2 70.9 110.9

77 60.5 98.5 138.5#

79 29.2 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.080 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141345.D

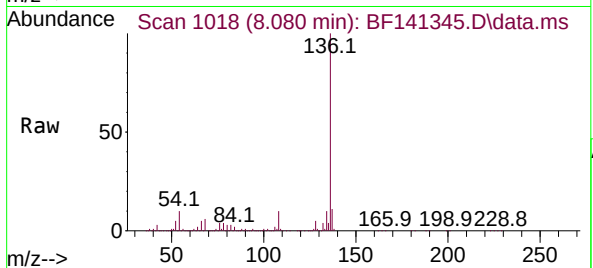
Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS



Tgt Ion:136 Resp: 601644

Ion Ratio Lower Upper

136 100

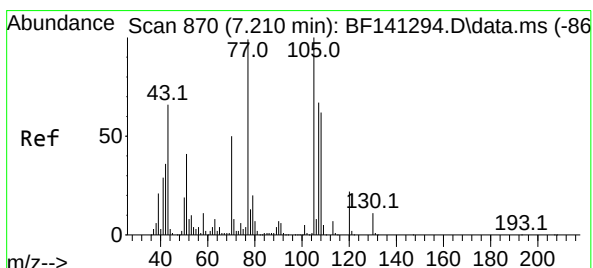
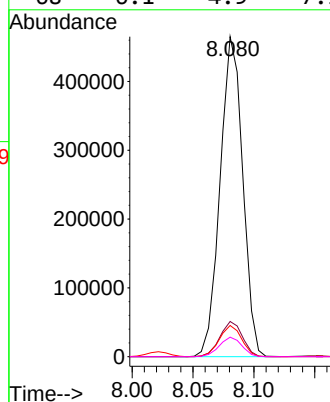
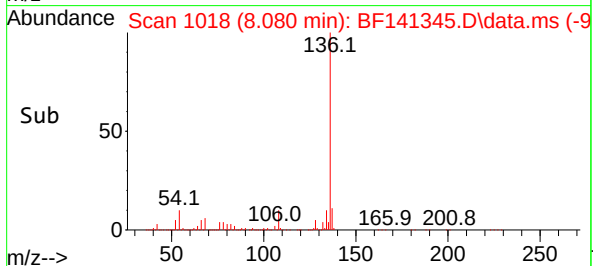
137 11.0 8.6 13.0

54 9.8 7.8 11.8

68 6.1 4.9 7.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

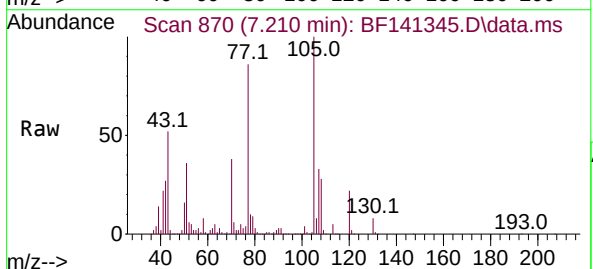
Concen: 42.226 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23



Tgt Ion:105 Resp: 603872

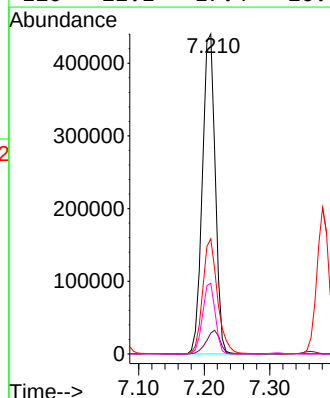
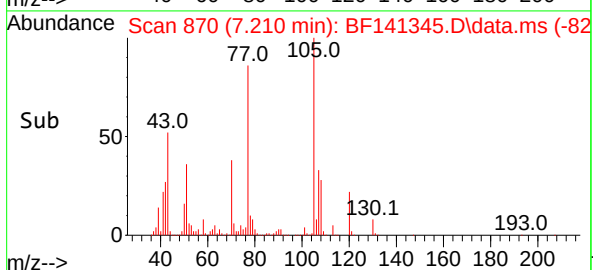
Ion Ratio Lower Upper

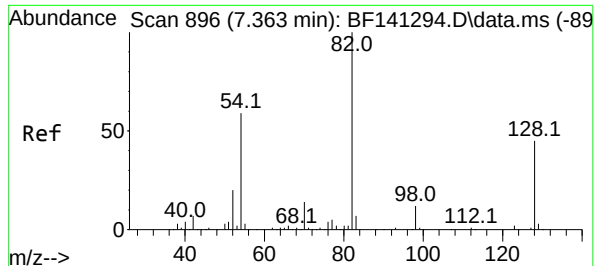
105 100

71 6.5 6.8 10.2#

51 36.0 32.6 49.0

120 22.1 17.4 26.0





#23

Nitrobenzene-d5

Concen: 54.273 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion: 82 Resp: 619400

Ion Ratio Lower Upper

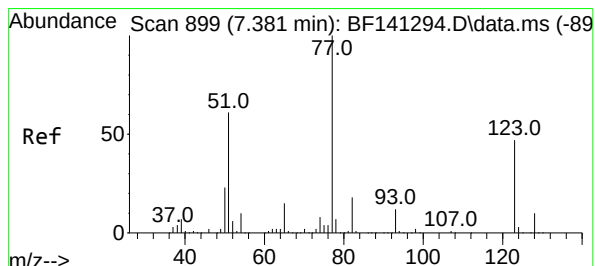
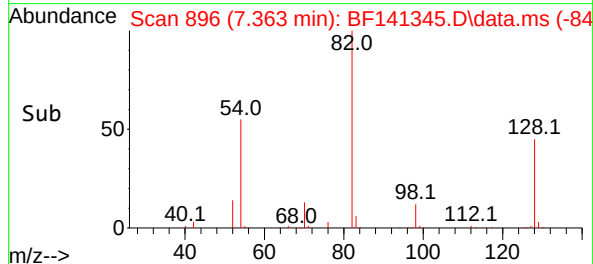
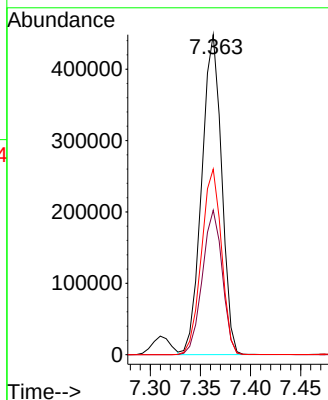
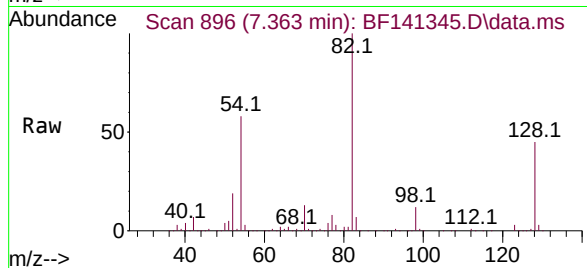
82 100

128 45.2 35.7 53.5

54 58.0 47.1 70.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 35.804 ng

RT: 7.380 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

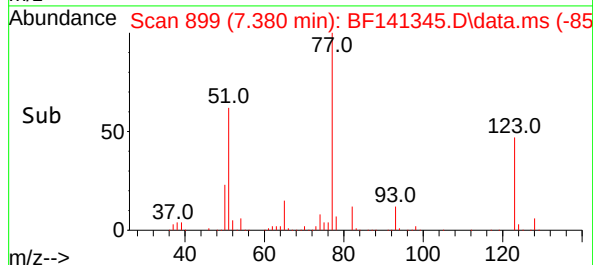
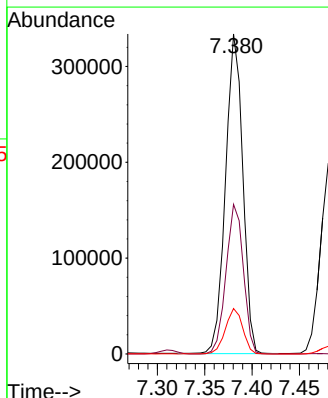
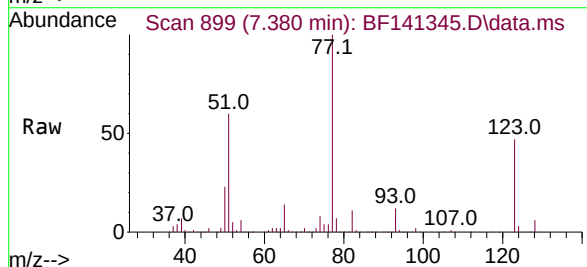
Tgt Ion: 77 Resp: 423464

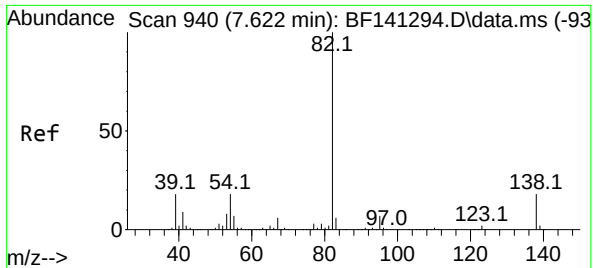
Ion Ratio Lower Upper

77 100

123 46.7 37.3 55.9

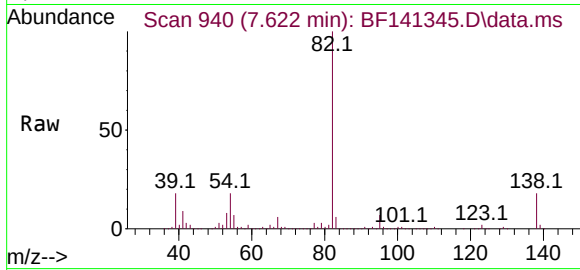
65 14.2 11.8 17.6





#25
Isophorone
Concen: 38.017 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

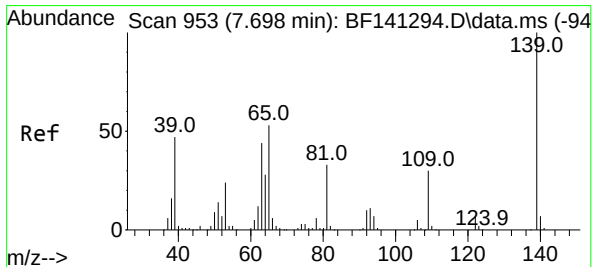
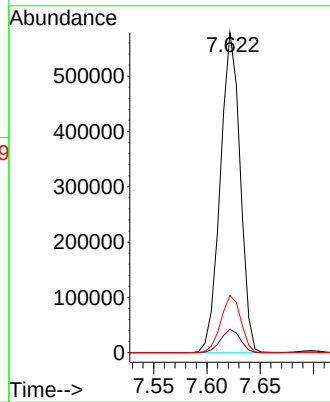
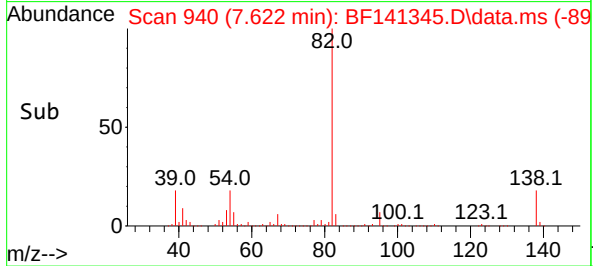
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion: 82 Resp: 750009
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.6
138 17.9 14.7 22.1

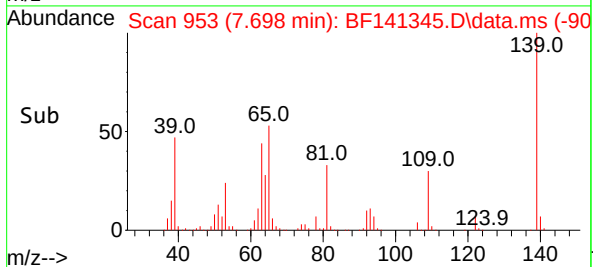
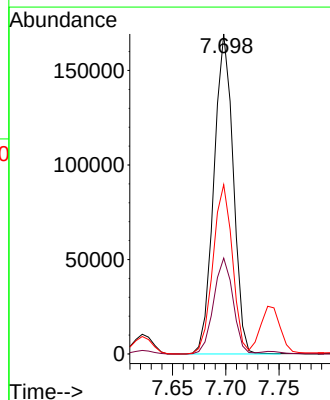
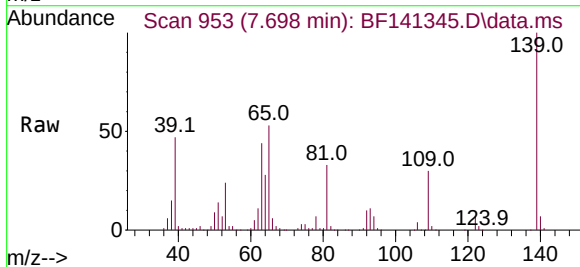
Manual Integrations
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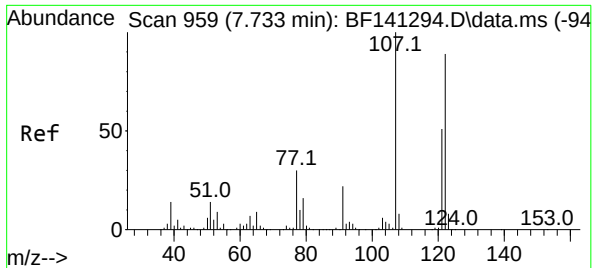
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#26
2-Nitrophenol
Concen: 38.205 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:139 Resp: 213106
Ion Ratio Lower Upper
139 100
109 30.0 23.8 35.6
65 52.9 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 48.140 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

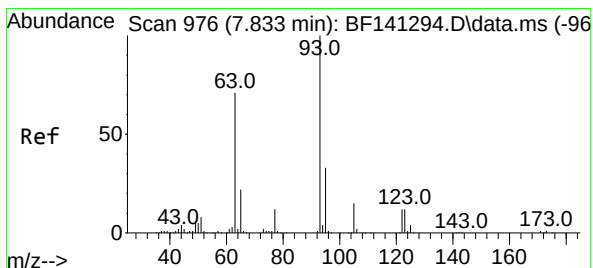
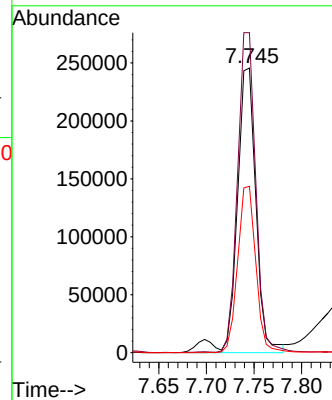
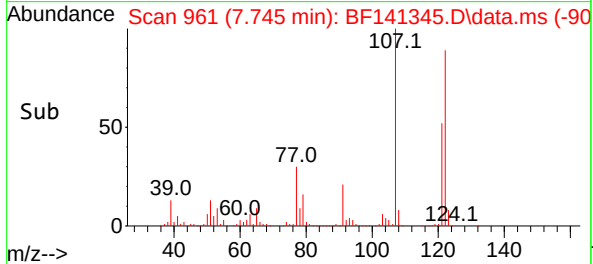
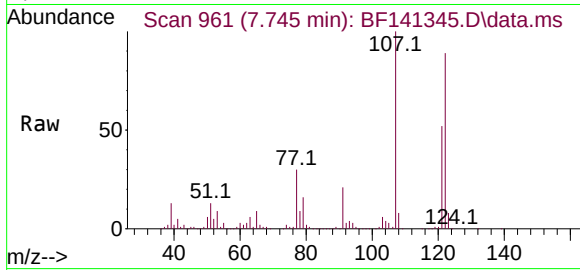
357MS

Tgt Ion:	122	Resp:	34177
Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	58.5	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.461 ng

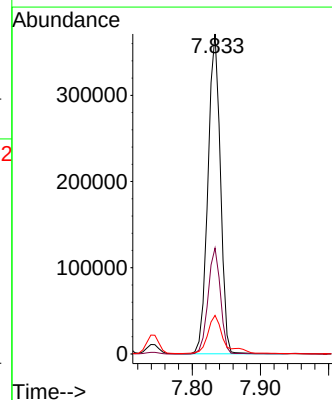
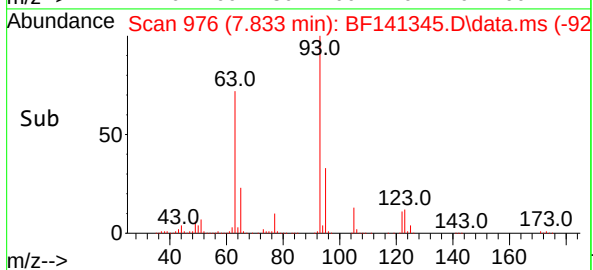
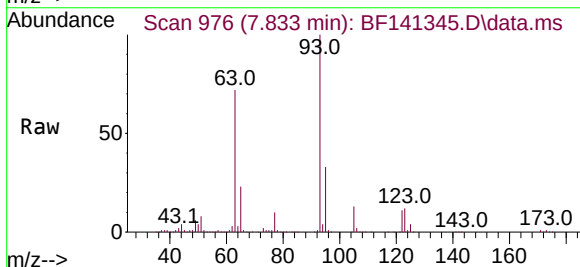
RT: 7.833 min Scan# 976

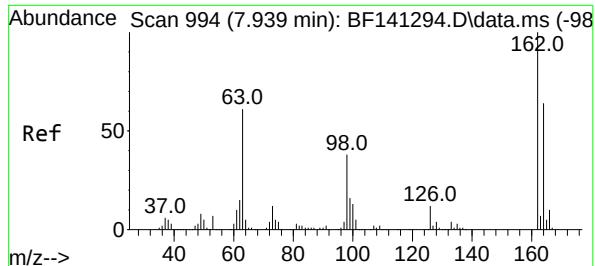
Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Tgt Ion:	93	Resp:	471410
Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	12.0	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 38.030 ng

RT: 7.951 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:162 Resp: 330540

Ion Ratio Lower Upper

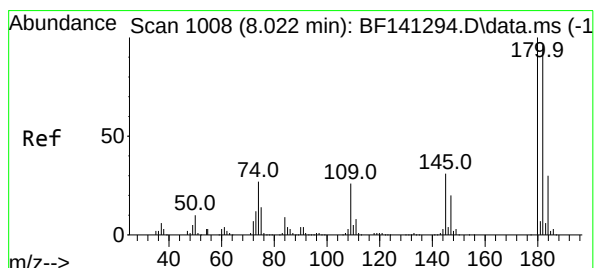
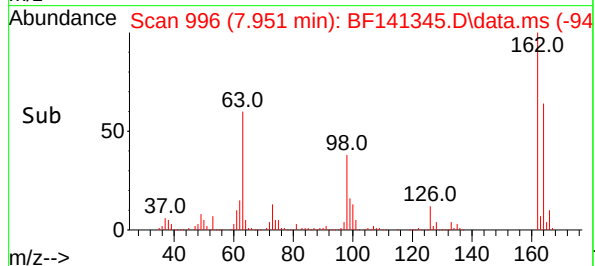
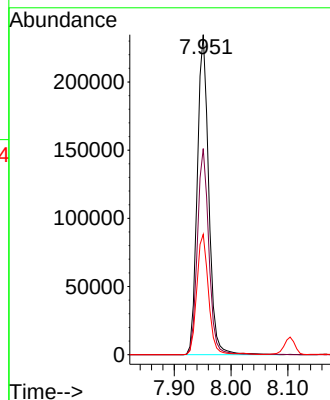
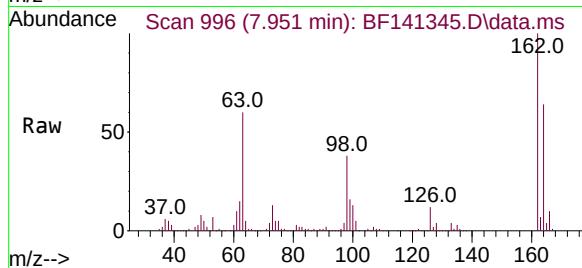
162 100

164 64.4 44.2 84.2

98 37.6 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 34.931 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

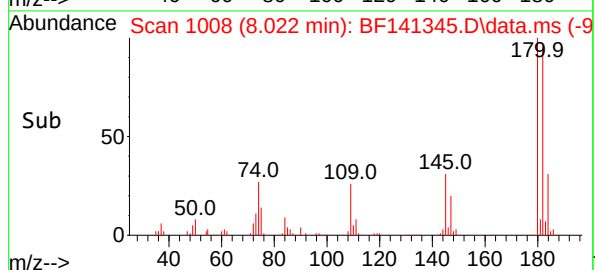
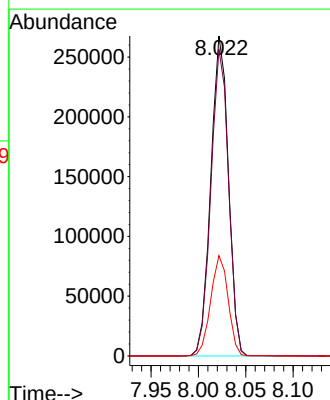
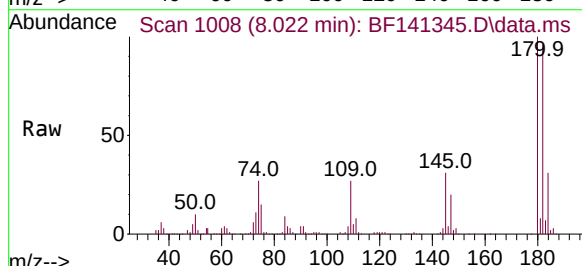
Tgt Ion:180 Resp: 346729

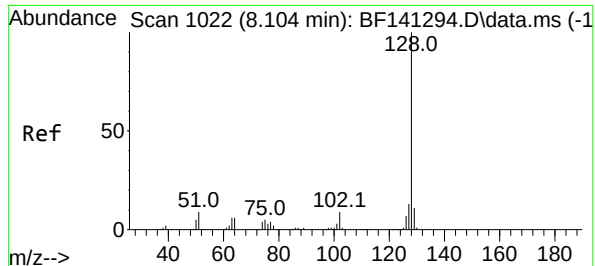
Ion Ratio Lower Upper

180 100

182 95.8 76.4 114.6

145 31.3 24.9 37.3





#31

Naphthalene

Concen: 35.950 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:128 Resp: 1142619

Ion Ratio Lower Upper

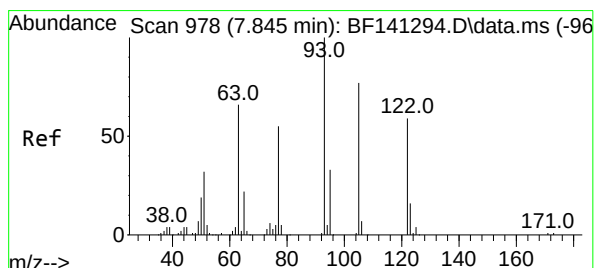
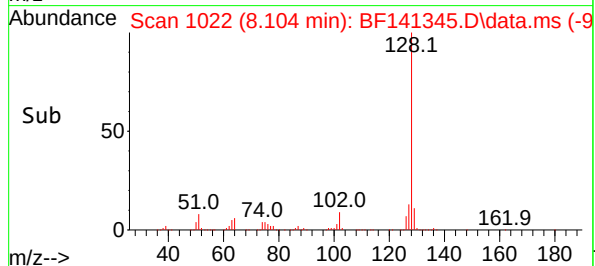
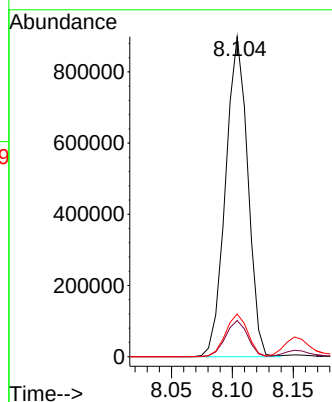
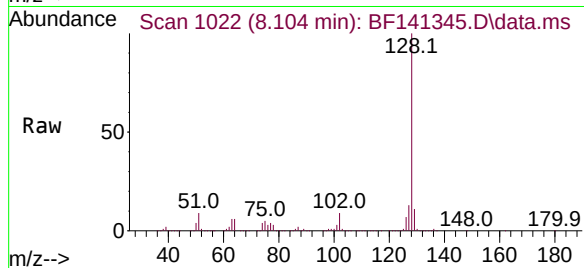
128 100

129 11.3 8.9 13.3

127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#32

Benzoic acid

Concen: 41.118 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.012 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

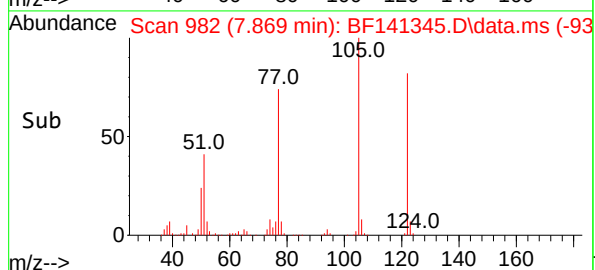
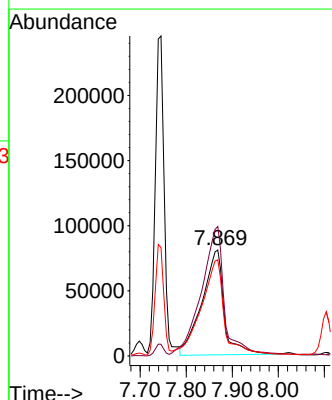
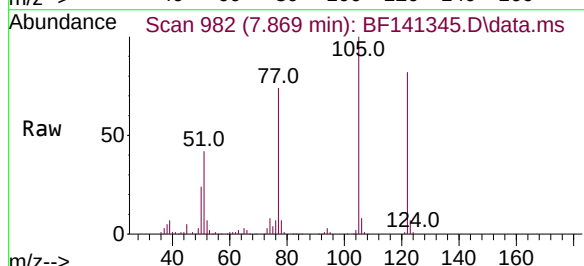
Tgt Ion:122 Resp: 268361

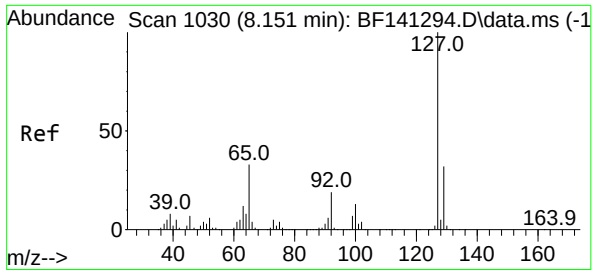
Ion Ratio Lower Upper

122 100

105 122.2 103.4 143.4

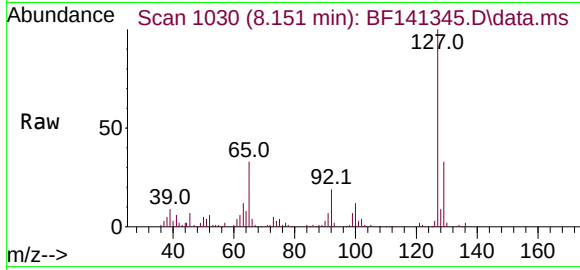
77 90.8 70.9 110.9





#33
4-Chloroaniline
Concen: 8.780 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

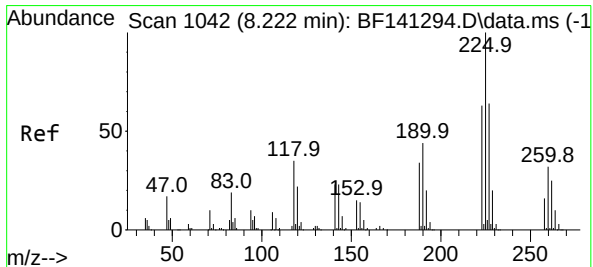
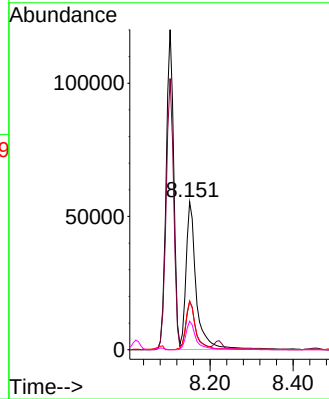
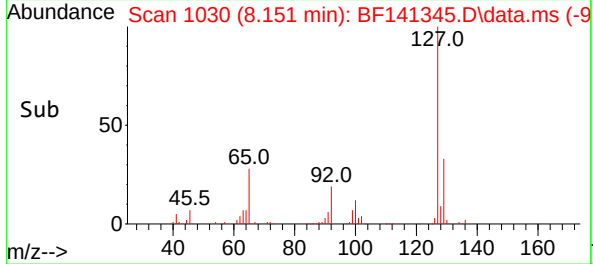
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:127 Resp: 94625
Ion Ratio Lower Upper
127 100
129 32.6 25.7 38.5
65 33.0 26.4 39.6
92 19.2 15.1 22.7

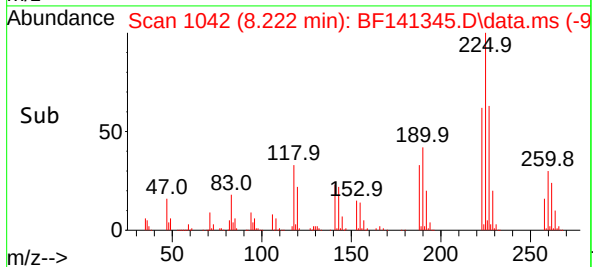
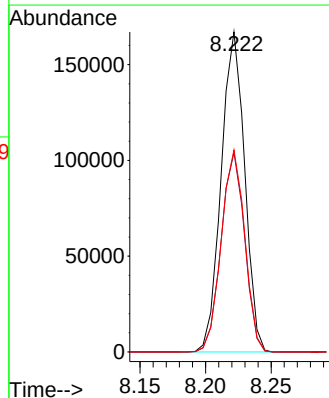
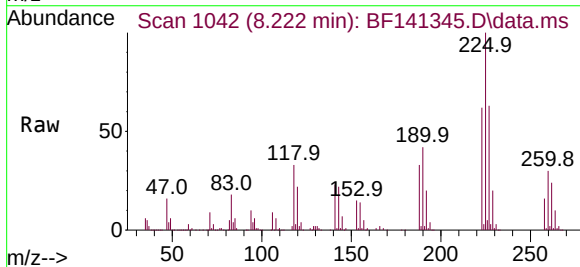
Manual Integrations
APPROVED

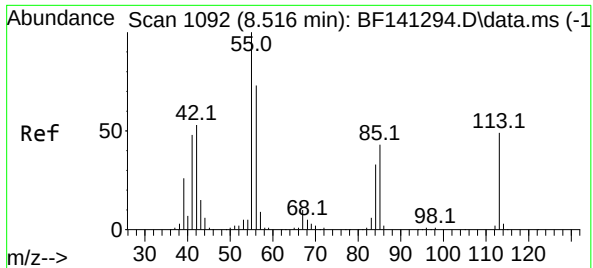
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#34
Hexachlorobutadiene
Concen: 35.644 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

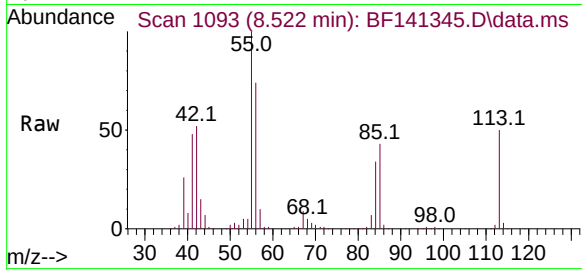
Tgt Ion:225 Resp: 207482
Ion Ratio Lower Upper
225 100
223 62.3 50.4 75.6
227 63.2 51.3 76.9





#35
Caprolactam
Concen: 41.992 ng m
RT: 8.522 min Scan# 1109
Delta R.T. -0.024 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

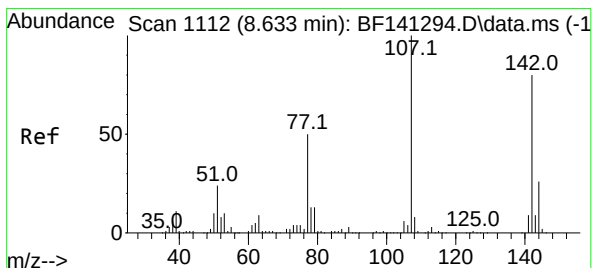
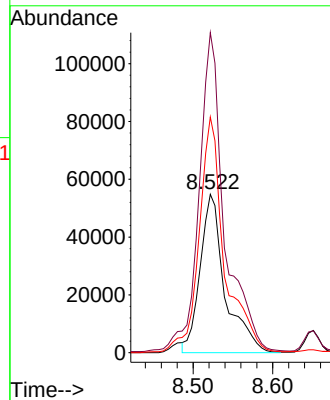
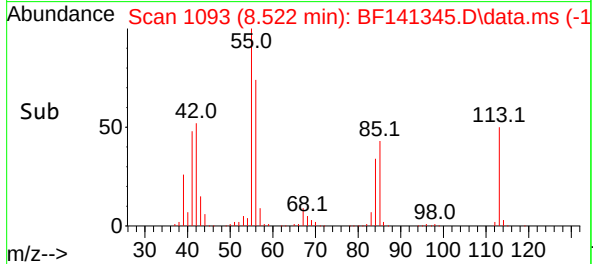
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:113 Resp: 119199
Ion Ratio Lower Upper
113 100
55 201.9 182.9 222.9
56 148.7 127.9 167.9

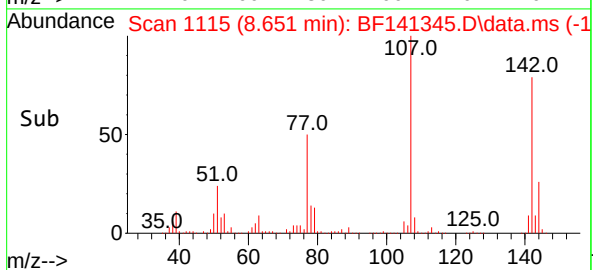
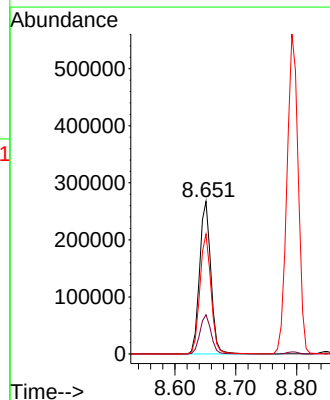
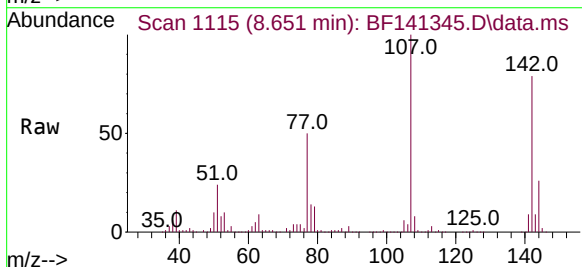
Manual Integrations
APPROVED

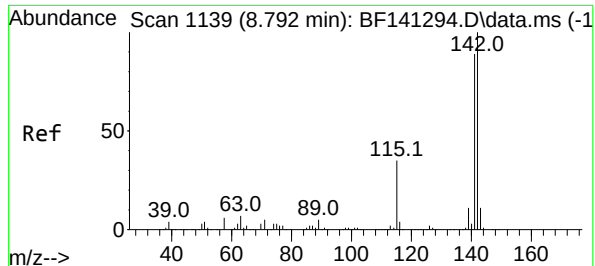
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 36.931 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.011 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

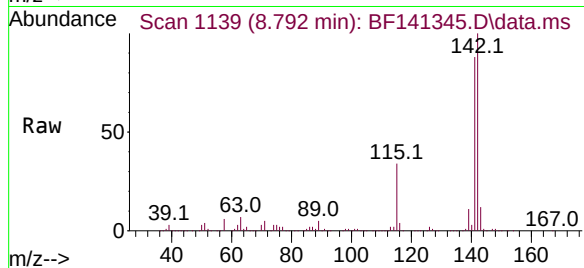
Tgt Ion:107 Resp: 344306
Ion Ratio Lower Upper
107 100
144 25.7 20.7 31.1
142 78.6 63.8 95.8





#37
2-Methylnaphthalene
Concen: 35.596 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

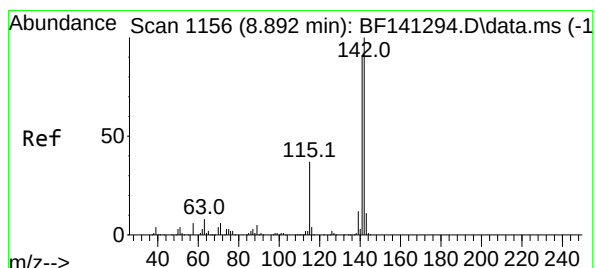
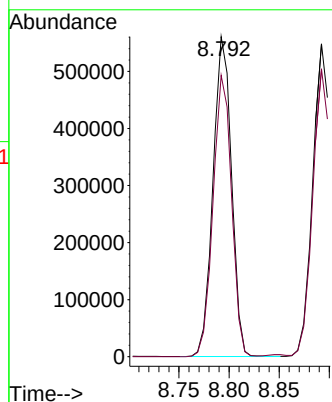
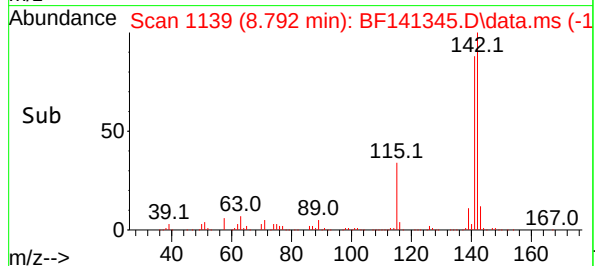
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:142 Resp: 719070
Ion Ratio Lower Upper
142 100
141 87.9 71.3 106.9

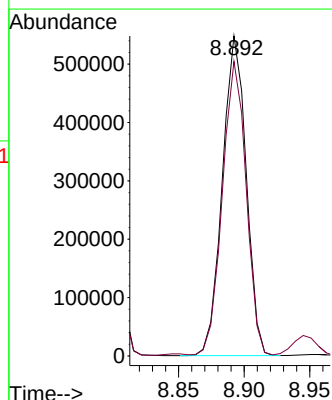
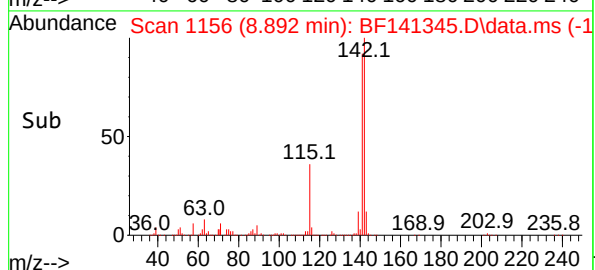
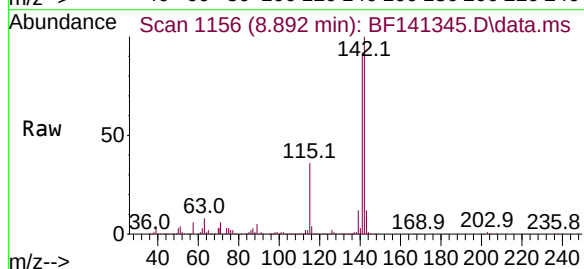
Manual Integrations
APPROVED

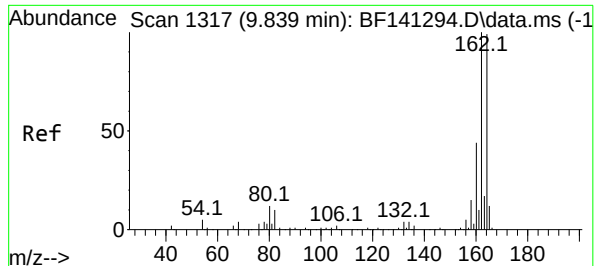
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 34.838 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:142 Resp: 691309
Ion Ratio Lower Upper
142 100
141 92.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1116

Delta R.T. -0.000 min

Lab File: BF141345.D

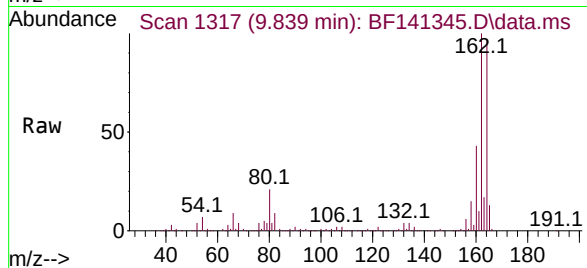
Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS



Tgt Ion:164 Resp: 313664

Ion Ratio Lower Upper

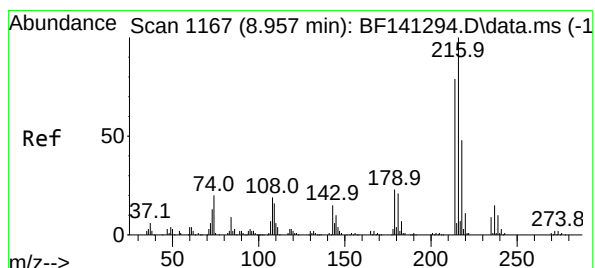
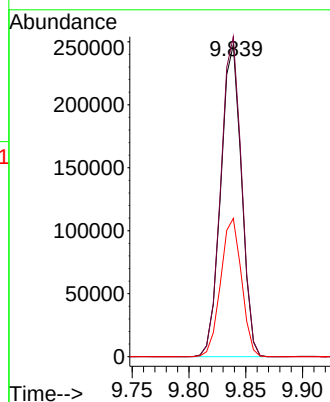
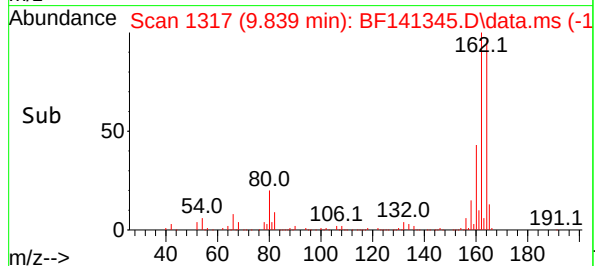
164 100

162 102.6 80.6 121.0

160 44.3 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#40

1,2,4,5-Tetrachlorobenzene

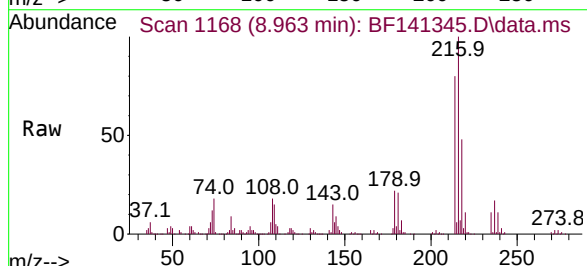
Concen: 40.795 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23



Tgt Ion:216 Resp: 364026

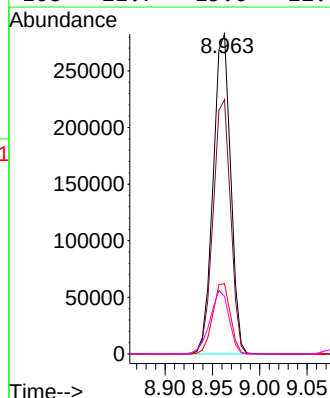
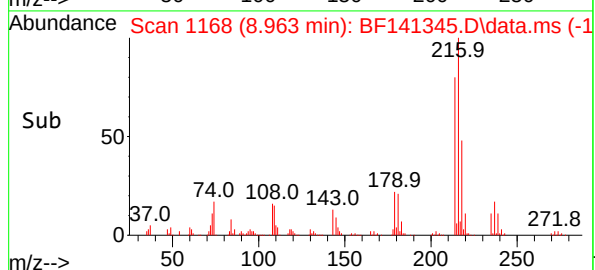
Ion Ratio Lower Upper

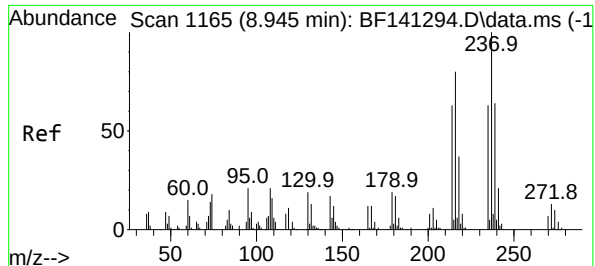
216 100

214 79.7 63.2 94.8

179 22.2 17.8 26.8

108 21.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 137.363 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:237 Resp: 361990

Ion Ratio Lower Upper

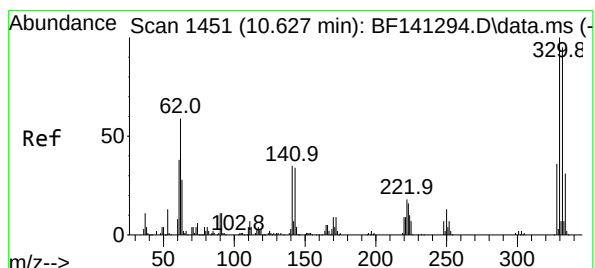
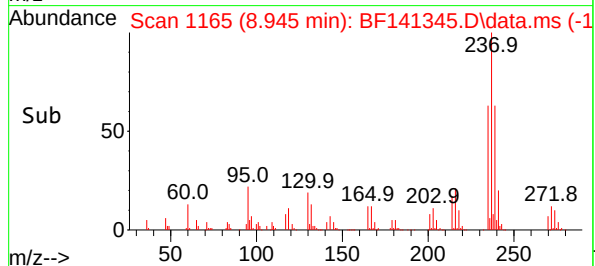
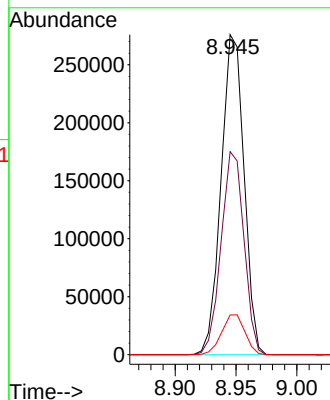
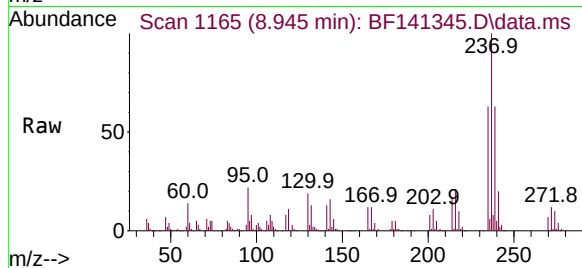
237 100

235 63.5 42.9 82.9

272 12.4 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 80.585 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

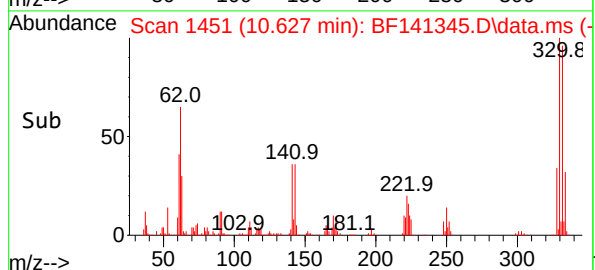
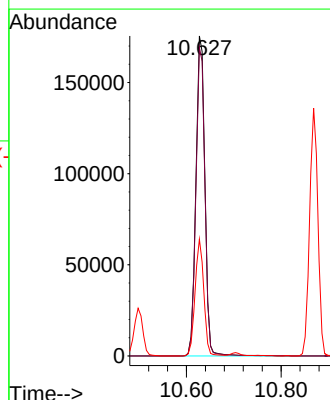
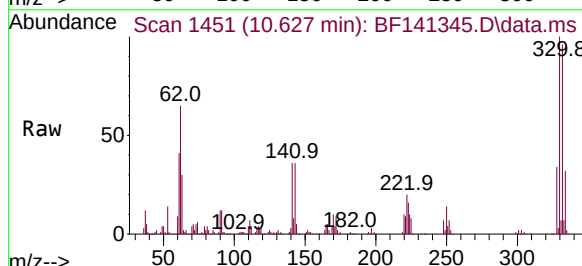
Tgt Ion:330 Resp: 231727

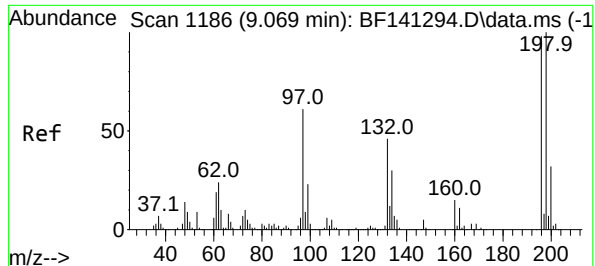
Ion Ratio Lower Upper

330 100

332 96.3 76.1 114.1

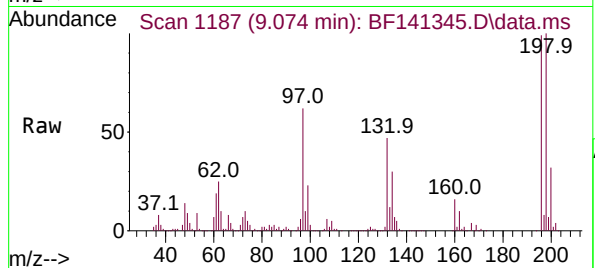
141 35.6 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 38.863 ng
RT: 9.074 min Scan# 1186
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

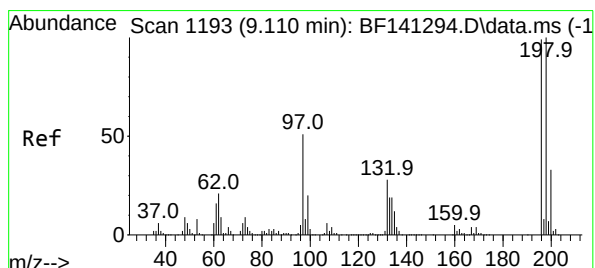
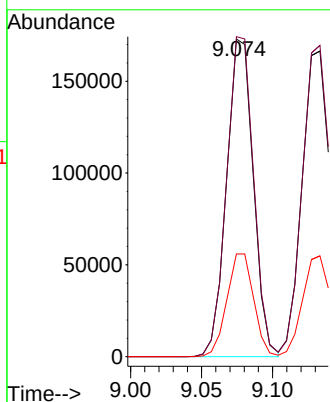
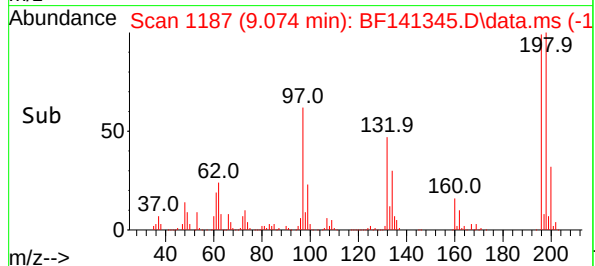
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:196 Resp: 226989
Ion Ratio Lower Upper
196 100
198 100.7 81.8 122.6
200 32.3 26.3 39.5

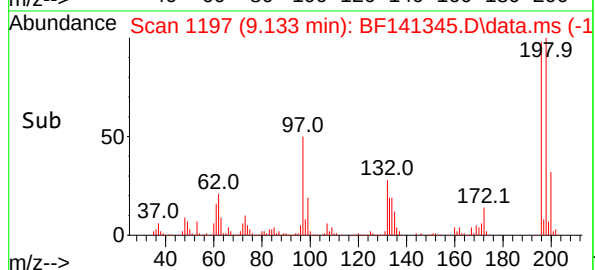
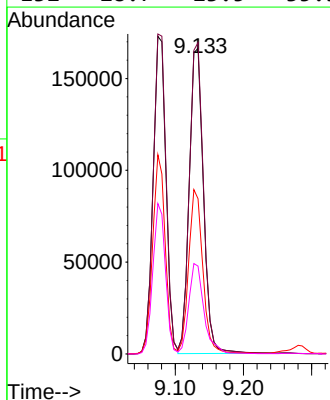
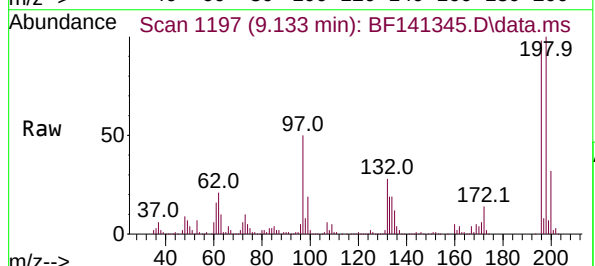
Manual Integrations
APPROVED

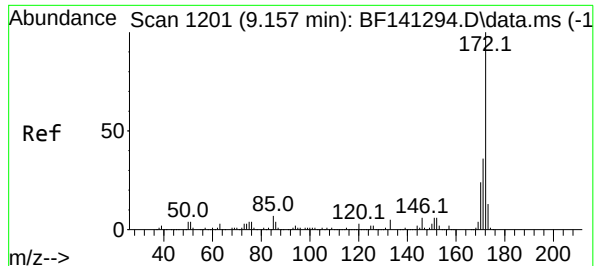
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#44
2,4,5-Trichlorophenol
Concen: 37.677 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.017 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:196 Resp: 239509
Ion Ratio Lower Upper
196 100
198 101.8 80.5 120.7
97 50.8 42.8 64.2
132 28.7 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 53.182 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:172 Resp: 108377

Ion Ratio Lower Upper

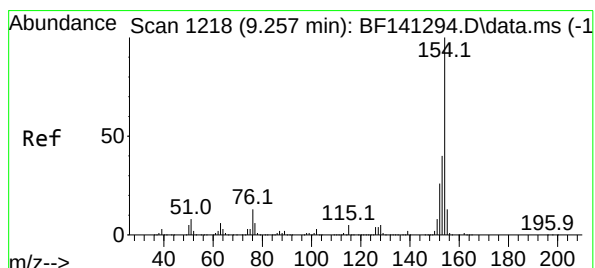
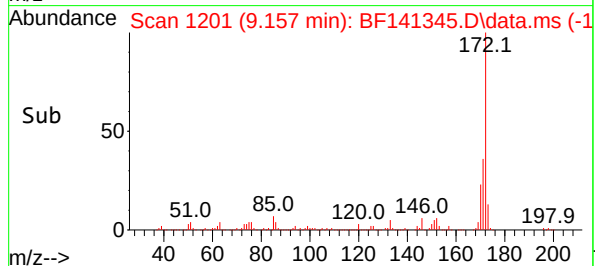
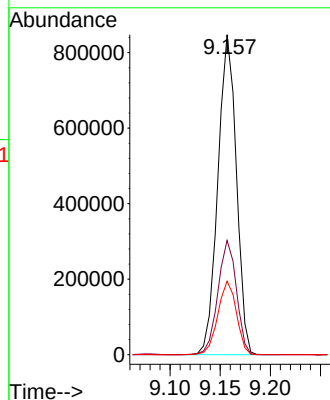
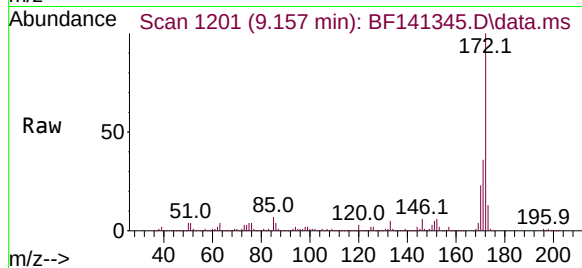
172 100

171 35.7 28.8 43.2

170 23.0 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 41.869 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

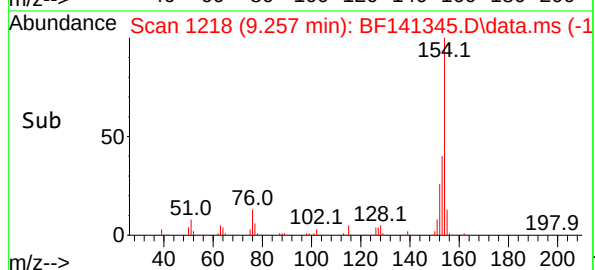
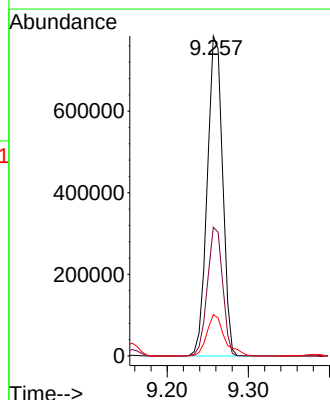
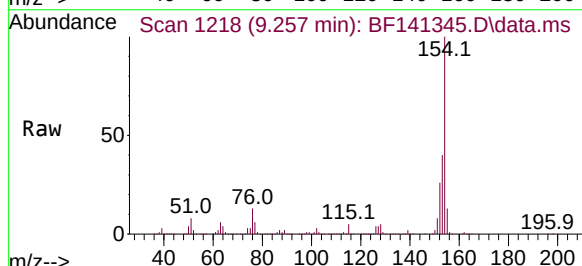
Tgt Ion:154 Resp: 1024211

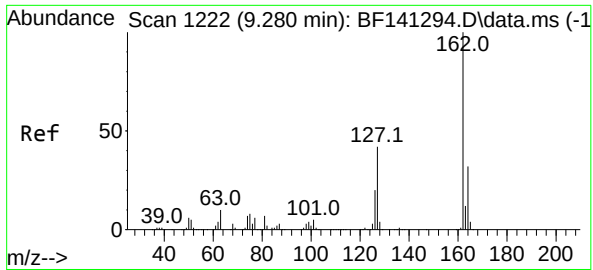
Ion Ratio Lower Upper

154 100

153 40.3 20.0 60.0

76 12.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 36.093 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:162 Resp: 688178

Ion Ratio Lower Upper

162 100

127 41.9 33.7 50.5

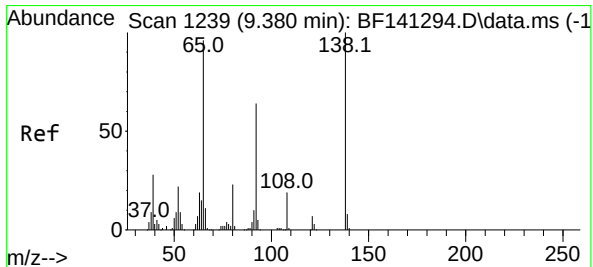
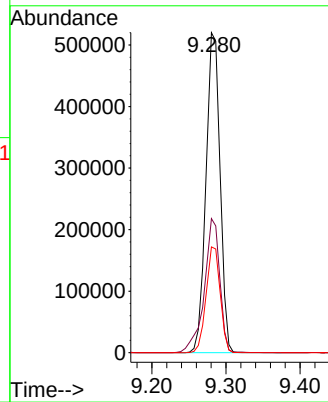
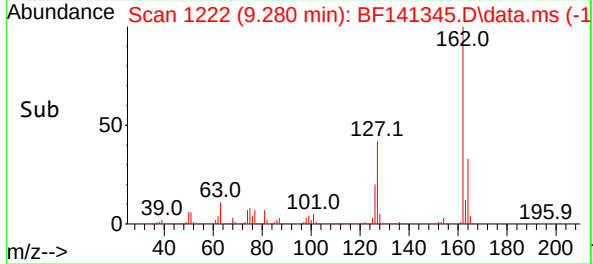
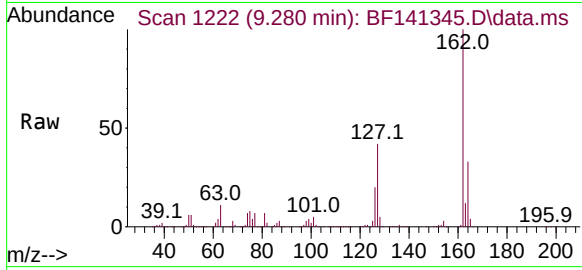
164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#48

2-Nitroaniline

Concen: 38.310 ng

RT: 9.380 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

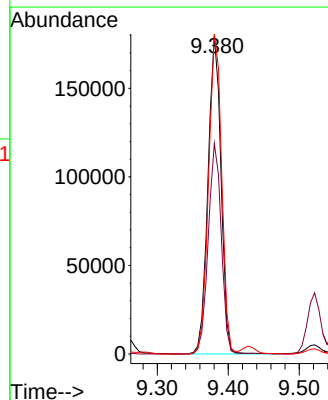
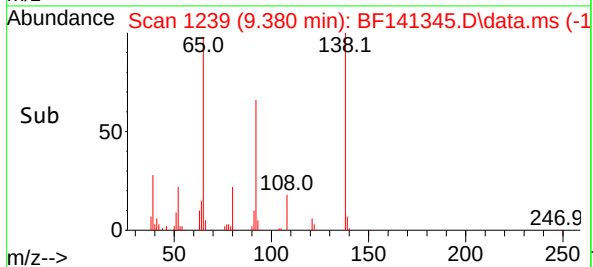
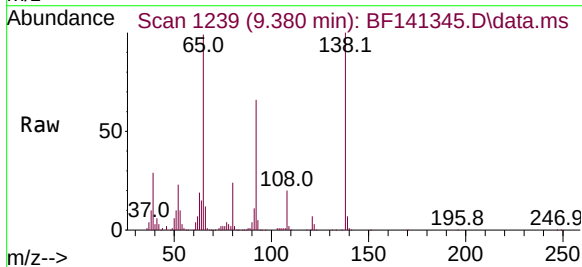
Tgt Ion: 65 Resp: 229753

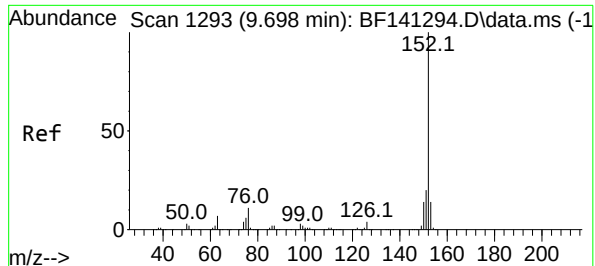
Ion Ratio Lower Upper

65 100

92 66.2 53.3 79.9

138 100.5 83.6 125.4





#49

Acenaphthylene

Concen: 39.825 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF141345.D

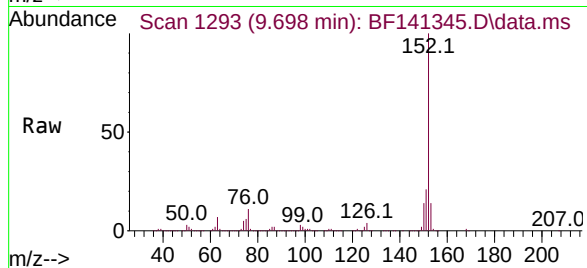
Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS



Tgt Ion:152 Resp: 1062919

Ion Ratio Lower Upper

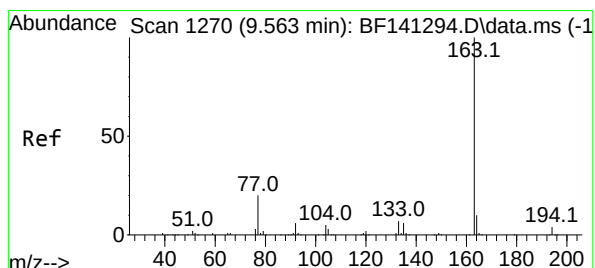
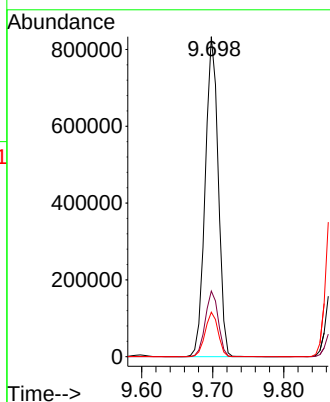
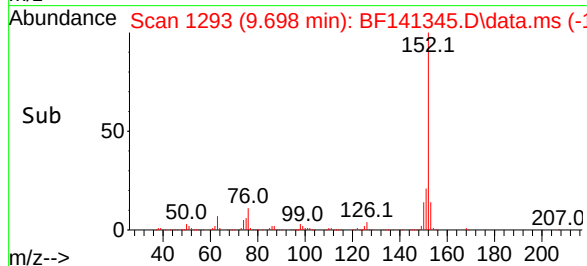
152 100

151 20.5 16.2 24.2

153 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

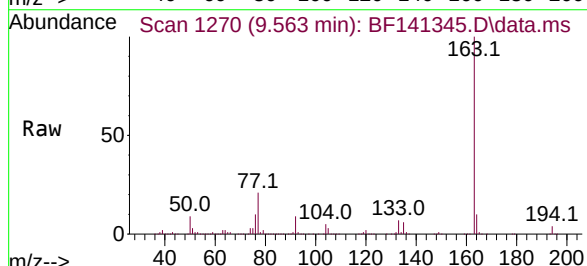
Concen: 38.638 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23



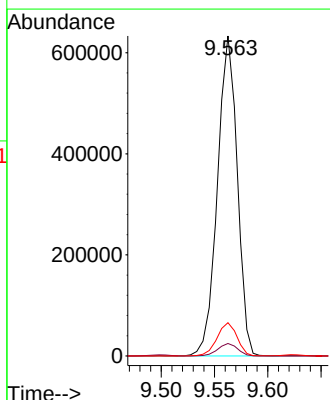
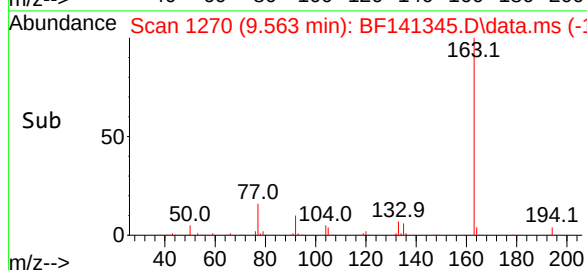
Tgt Ion:163 Resp: 818537

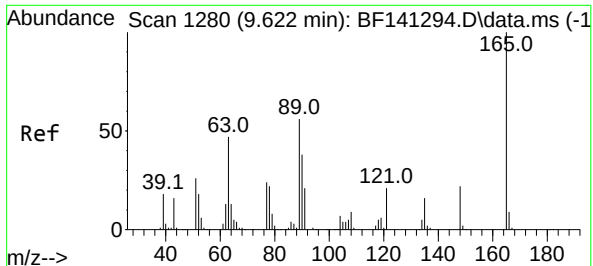
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

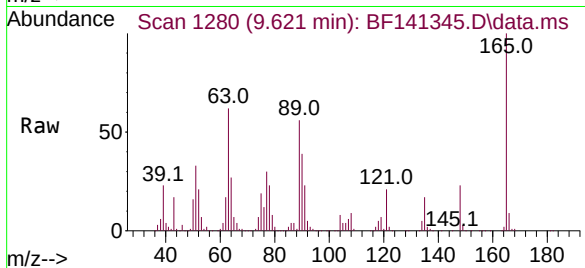
164 10.4 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 36.590 ng
RT: 9.621 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

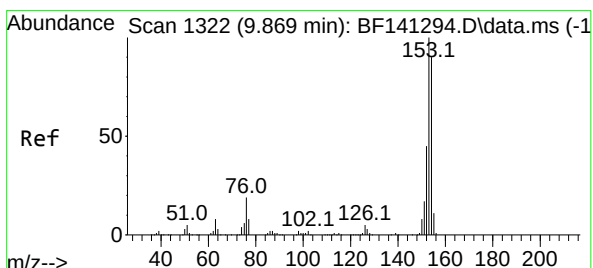
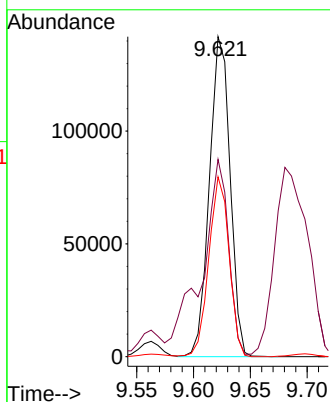
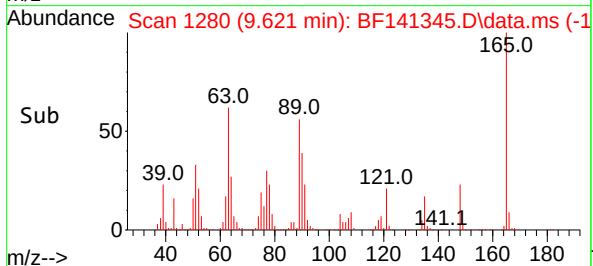
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:165 Resp: 179980
Ion Ratio Lower Upper
165 100
63 61.6 48.1 72.1
89 56.2 44.9 67.3

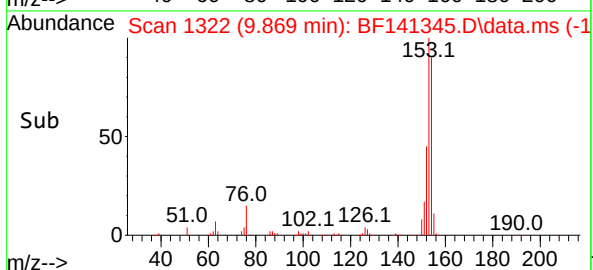
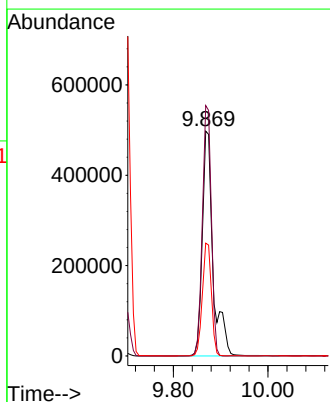
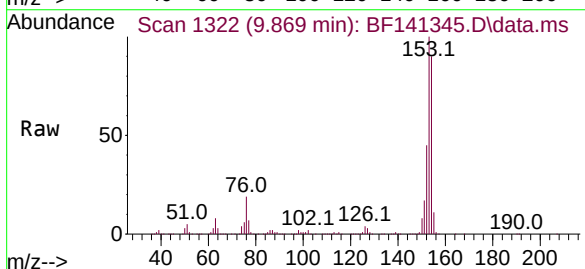
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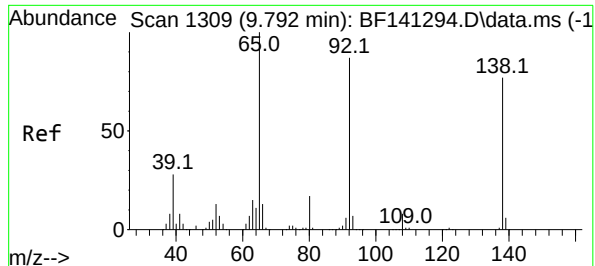
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 41.505 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:154 Resp: 791404
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.4
152 50.2 40.2 60.4





#53

3-Nitroaniline

Concen: 22.633 ng

RT: 9.792 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:138 Resp: 10911

Ion Ratio Lower Upper

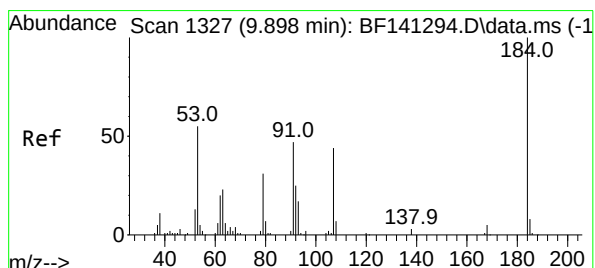
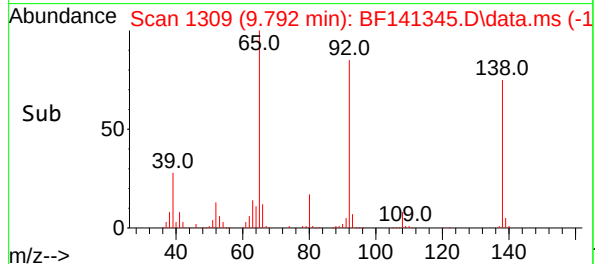
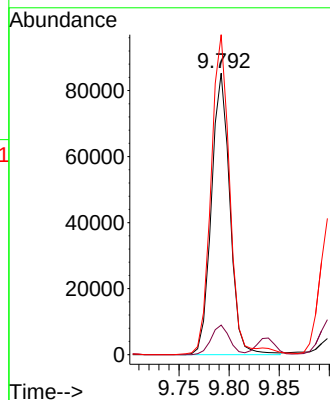
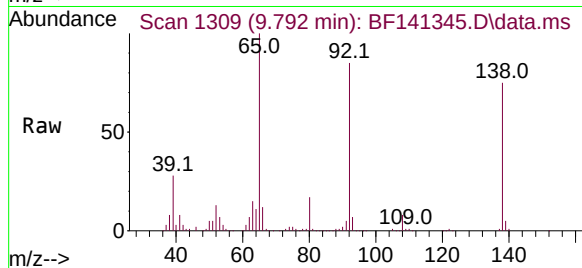
138 100

108 10.5 8.6 12.8

92 113.7 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#54

2,4-Dinitrophenol

Concen: 93.135 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

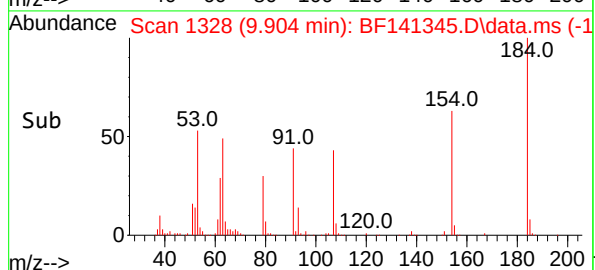
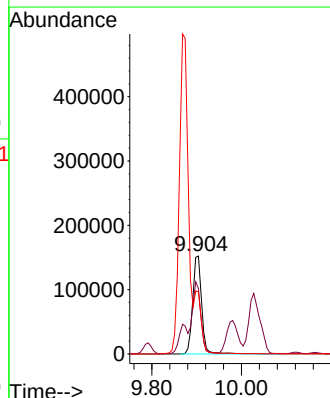
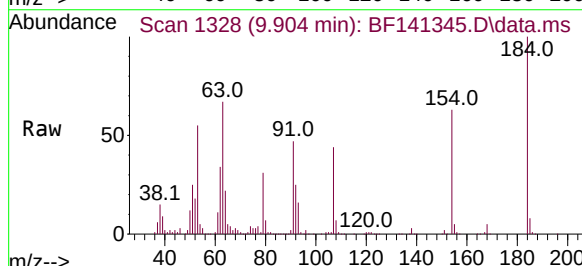
Tgt Ion:184 Resp: 212958

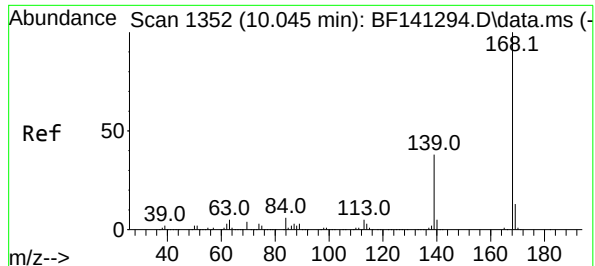
Ion Ratio Lower Upper

184 100

63 66.8 54.1 81.1

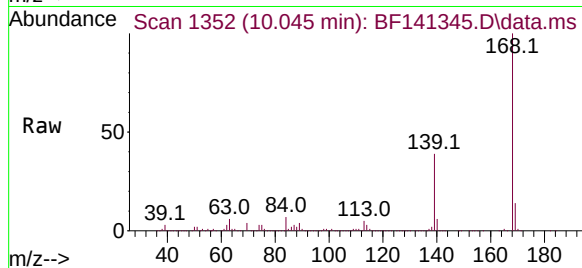
154 63.3 50.7 76.1





#55
Dibenzenofuran
Concen: 36.797 ng
RT: 10.045 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

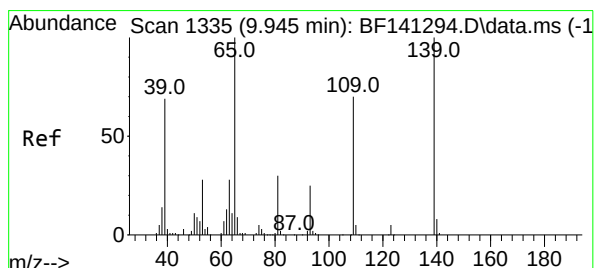
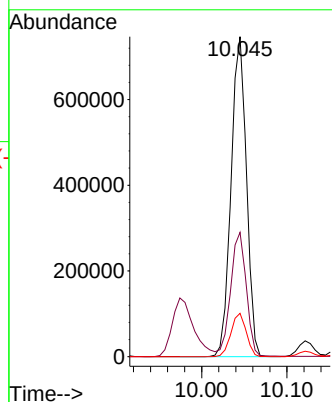
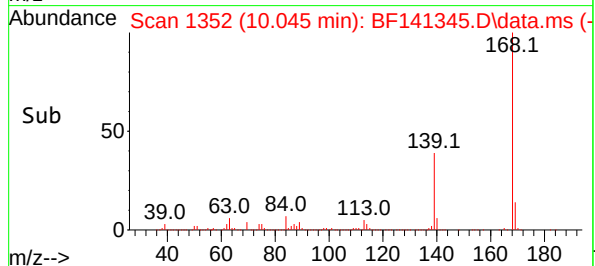
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:168 Resp: 93917
Ion Ratio Lower Upper
168 100
139 38.8 30.6 46.0
169 13.5 10.8 16.2

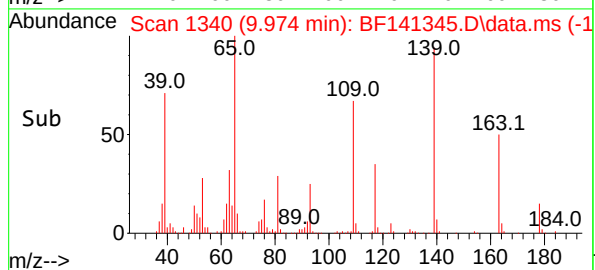
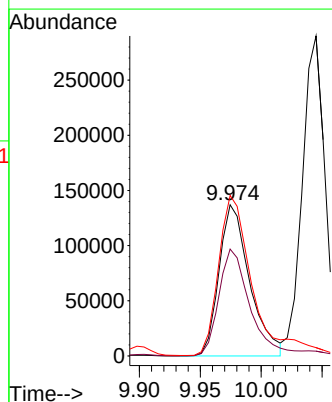
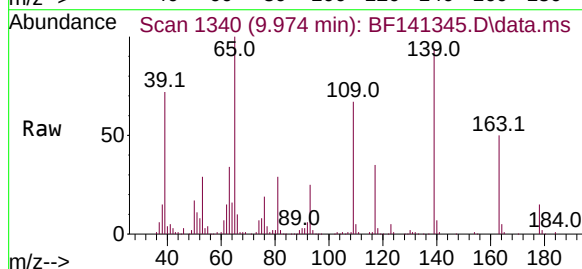
Manual Integrations
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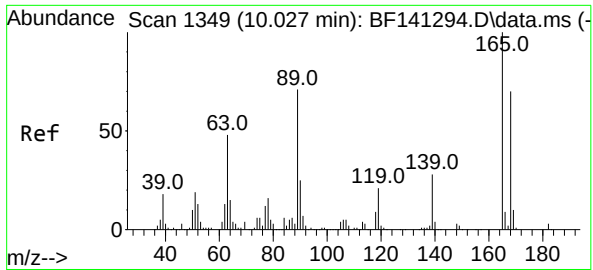
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#56
4-Nitrophenol
Concen: 68.029 ng
RT: 9.974 min Scan# 1340
Delta R.T. 0.017 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

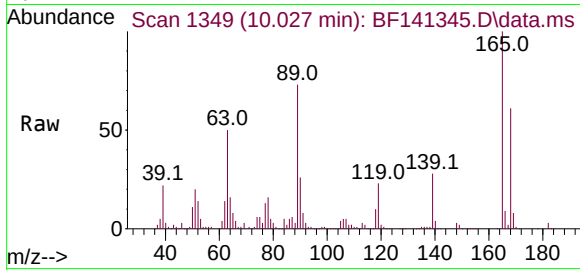
Tgt Ion:139 Resp: 239854
Ion Ratio Lower Upper
139 100
109 70.8 50.2 90.2
65 106.2 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 37.198 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

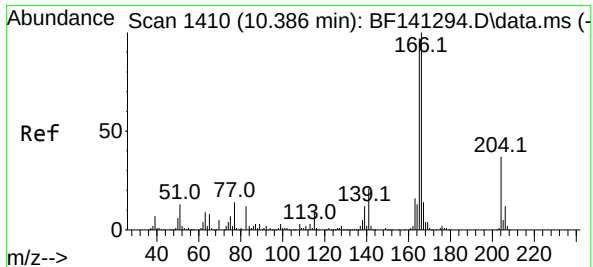
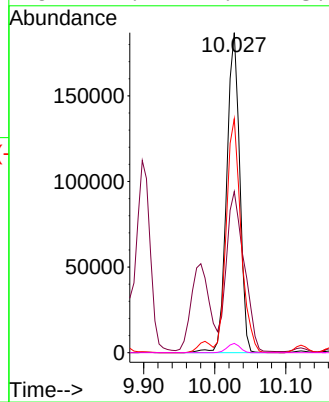
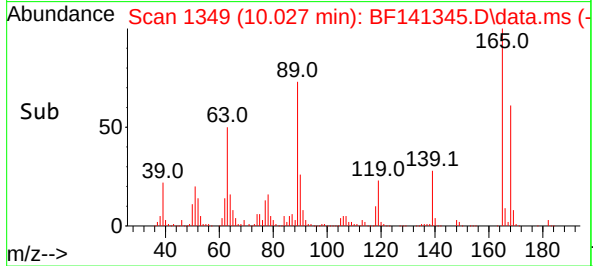
Instrument :
BNA_F
ClientSampleId :
357MS



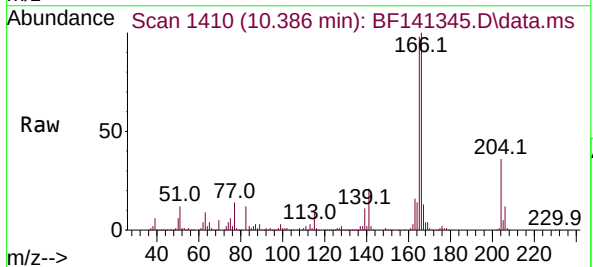
Tgt Ion:165 Resp: 23689
Ion Ratio Lower Upper
165 100
63 50.3 39.2 58.8
89 73.1 56.9 85.3
182 2.9 2.2 3.2

Manual Integrations
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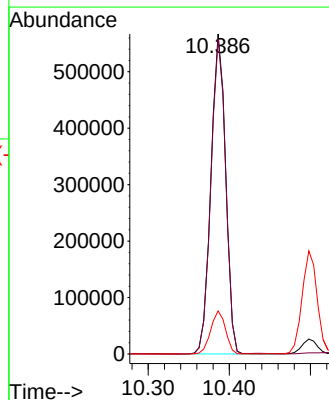
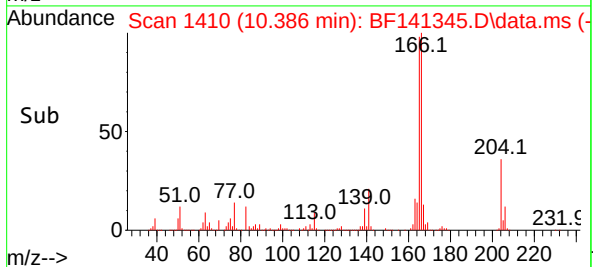
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

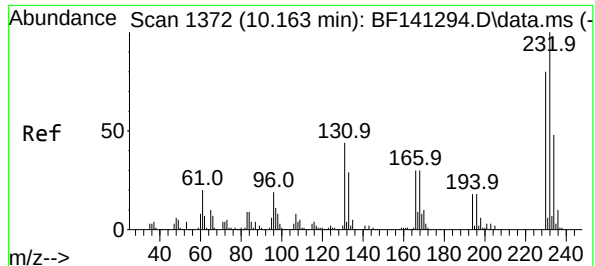


#58
Fluorene
Concen: 35.991 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



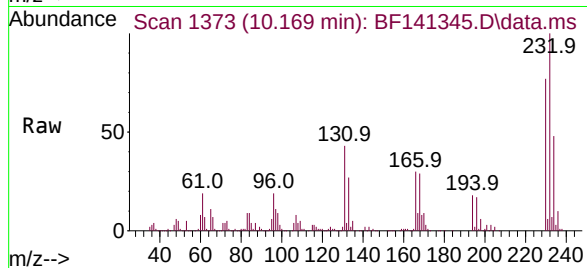
Tgt Ion:166 Resp: 712526
Ion Ratio Lower Upper
166 100
165 98.4 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.268 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

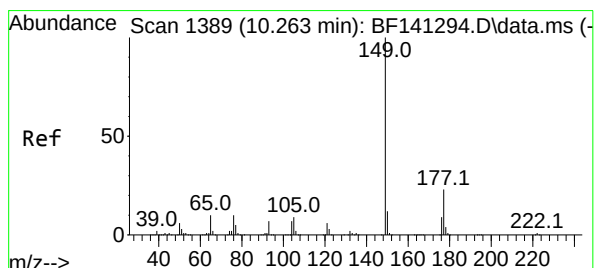
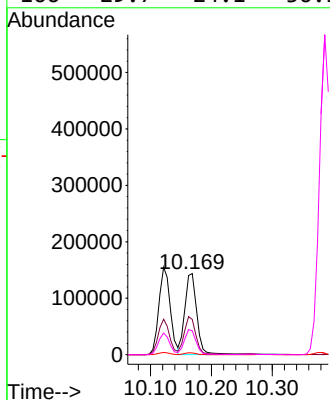
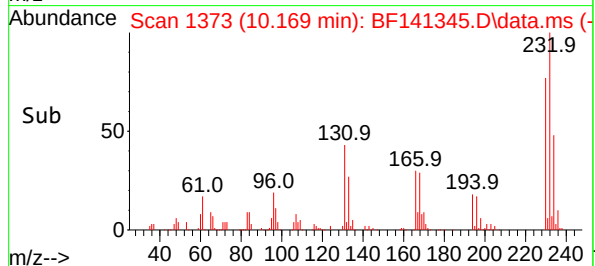
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:232 Resp: 196384
Ion Ratio Lower Upper
232 100
131 45.4 36.4 54.6
130 2.2 1.9 2.9
166 29.7 24.1 36.1

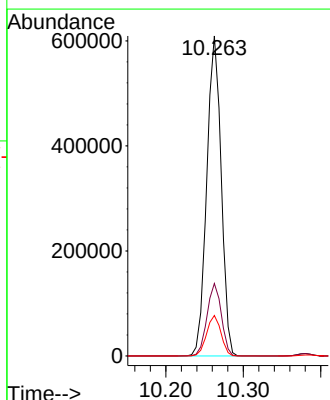
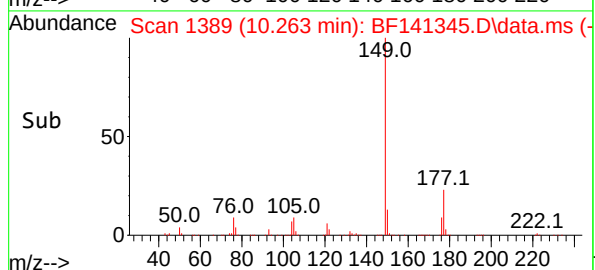
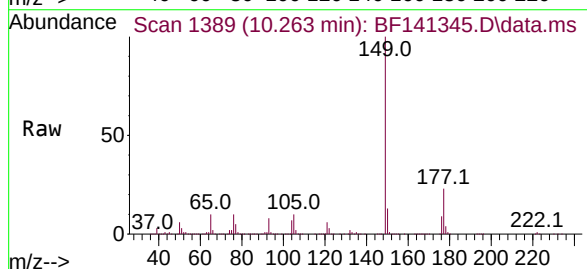
Manual Integrations
APPROVED

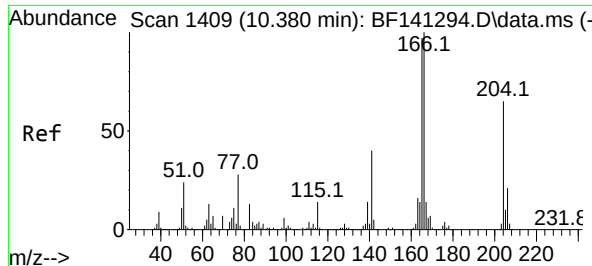
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#60
Diethylphthalate
Concen: 38.209 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:149 Resp: 784853
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.7 10.0 15.0





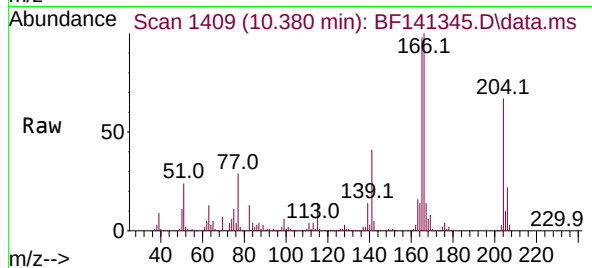
#61
4-Chlorophenyl-phenylether
Concen: 36.192 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

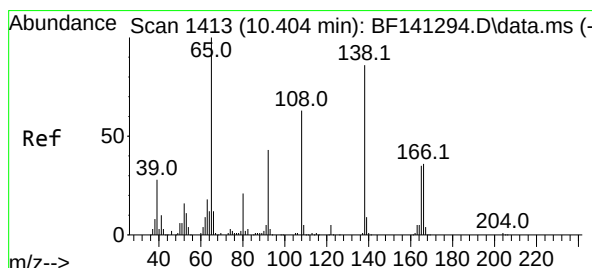
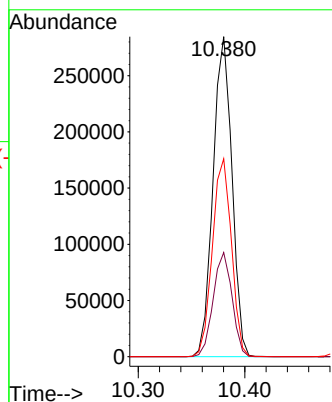
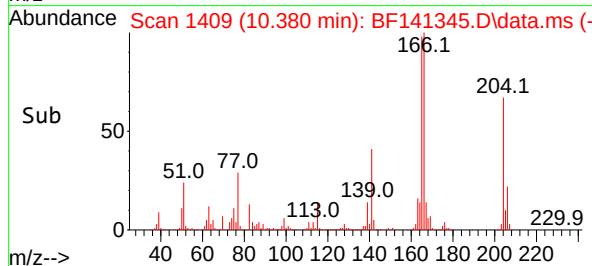


Tgt Ion:204 Resp: 34999
Ion Ratio Lower Upper
204 100
206 32.6 25.9 38.9
141 61.9 49.5 74.3

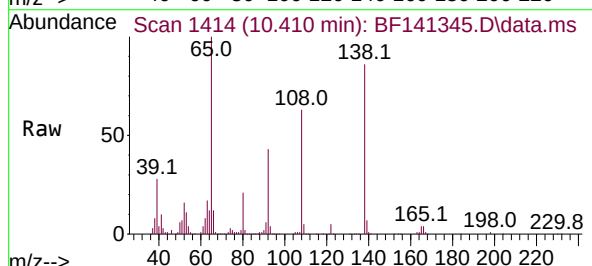
Manual Integrations

APPROVED

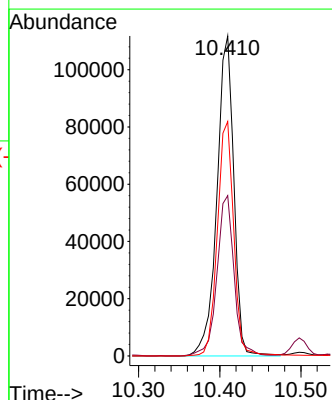
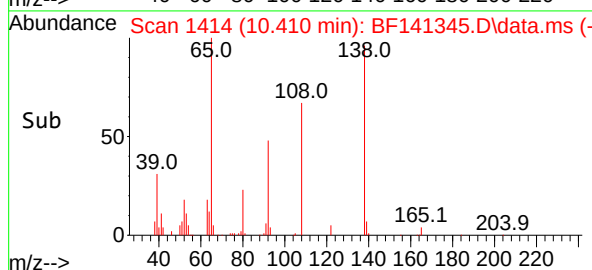
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

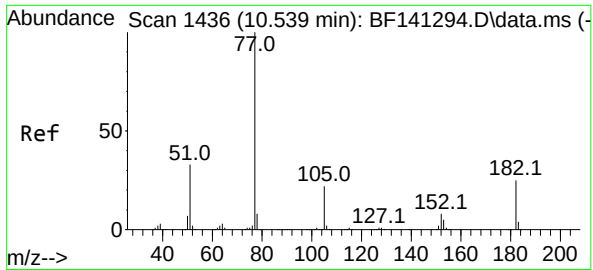


#62
4-Nitroaniline
Concen: 34.148 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



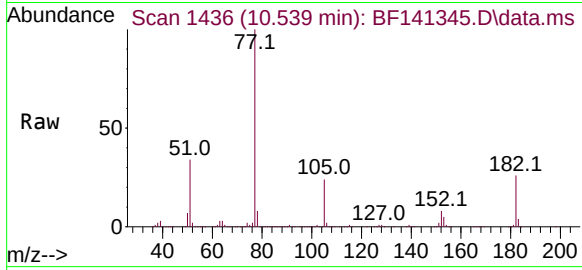
Tgt Ion:138 Resp: 161854
Ion Ratio Lower Upper
138 100
92 50.1 30.1 70.1
108 73.2 53.1 93.1





#63
Azobenzene
Concen: 41.435 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

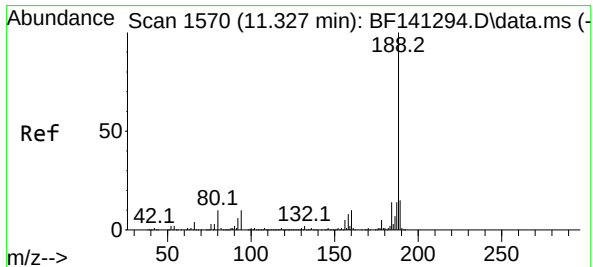
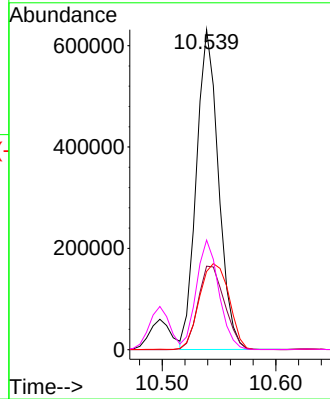
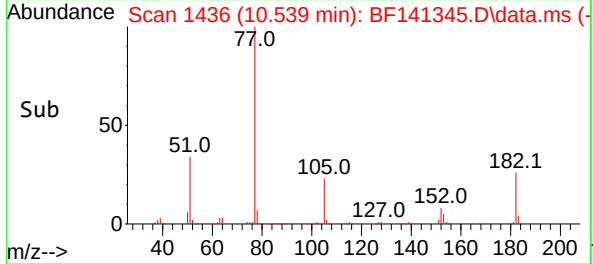
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion: 77 Resp: 851960
Ion Ratio Lower Upper
77 100
182 26.1 5.1 45.1
105 24.5 1.8 41.8
51 34.2 14.0 54.0

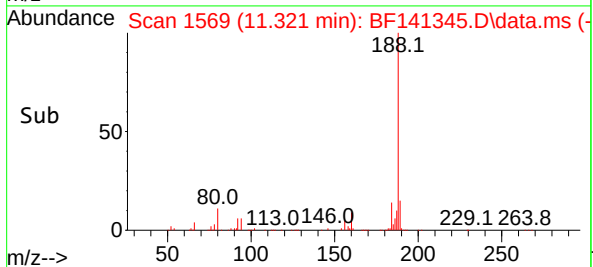
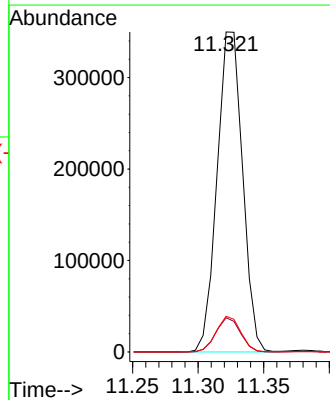
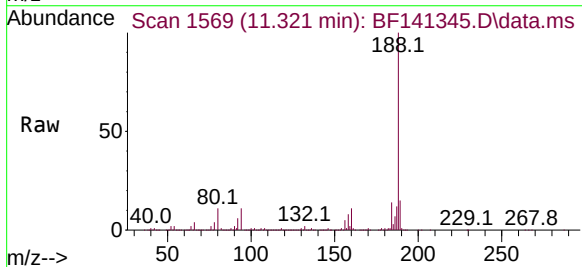
Manual Integrations
APPROVED

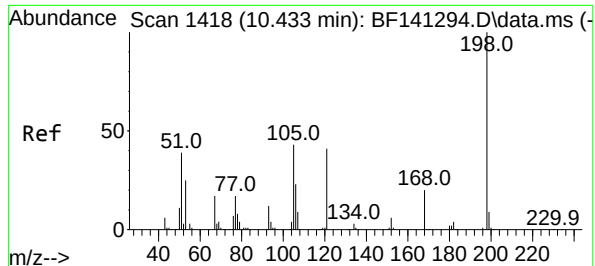
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

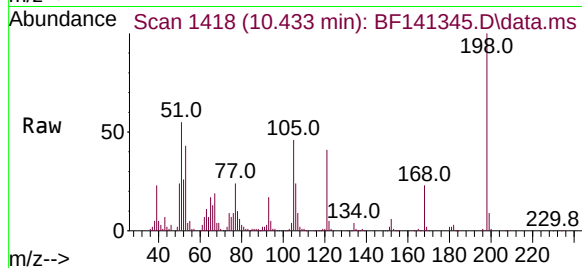
Tgt Ion:188 Resp: 473142
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.2 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.245 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

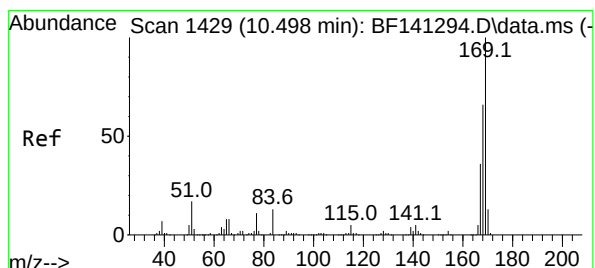
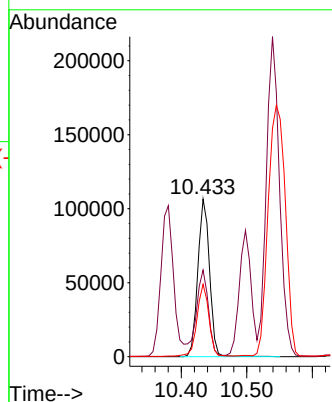
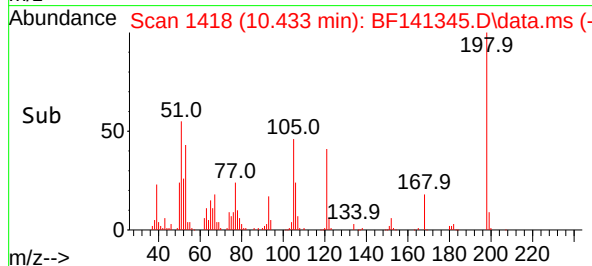
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:198 Resp: 132221
Ion Ratio Lower Upper
198 100
51 54.9 33.4 73.4
105 45.8 24.4 64.4

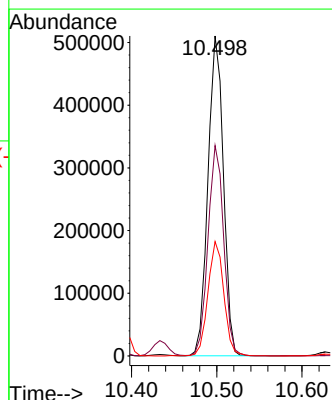
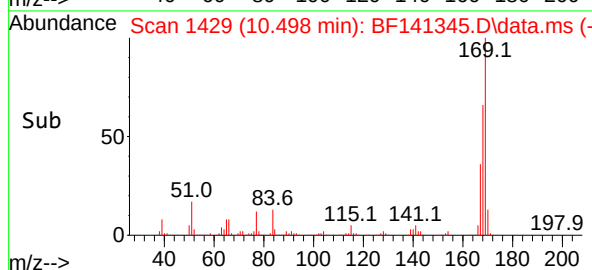
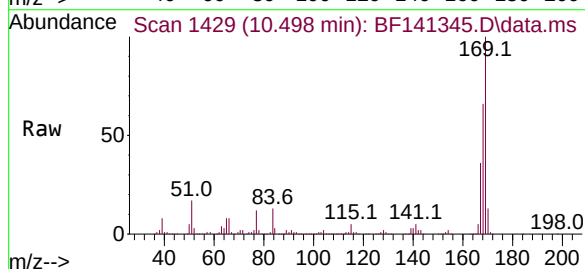
Manual Integrations
APPROVED

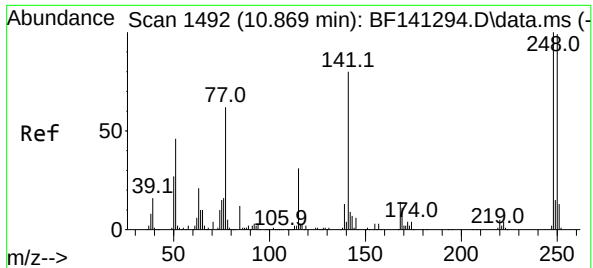
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 41.957 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

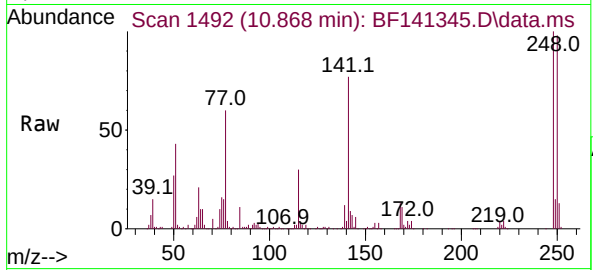
Tgt Ion:169 Resp: 642080
Ion Ratio Lower Upper
169 100
168 65.8 53.0 79.4
167 35.8 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.124 ng
RT: 10.868 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

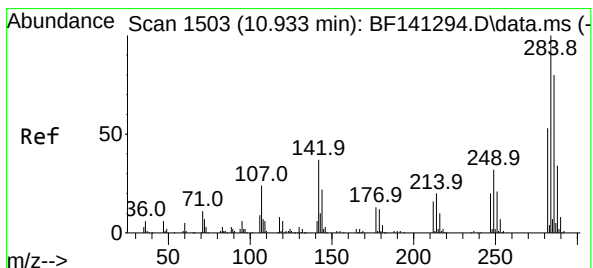
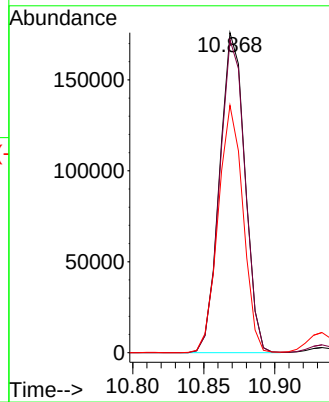
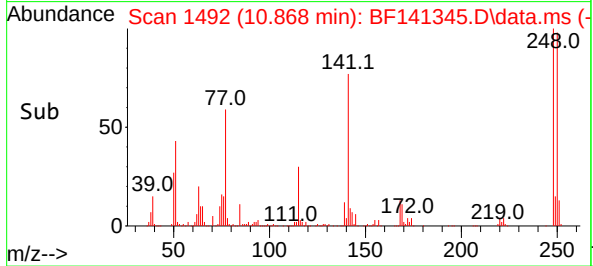
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:248 Resp: 217834
Ion Ratio Lower Upper
248 100
250 97.9 79.0 118.4
141 77.3 63.7 95.5

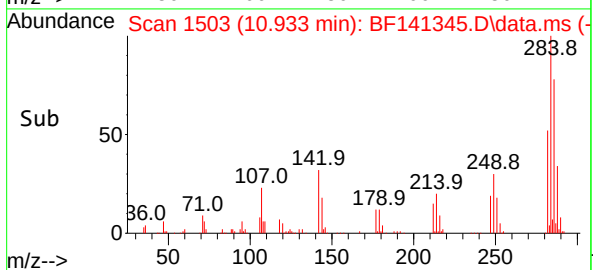
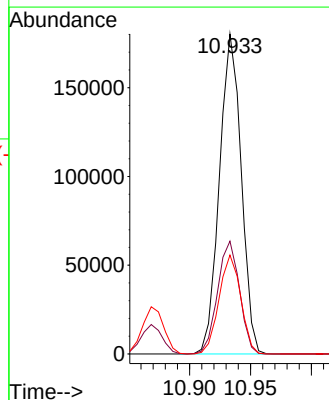
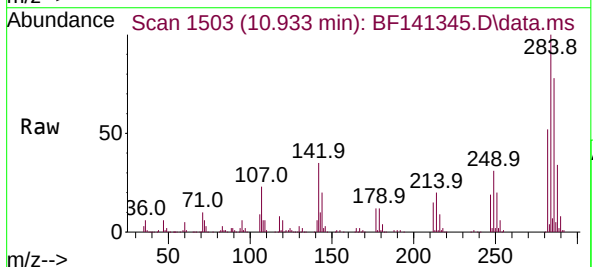
Manual Integrations
APPROVED

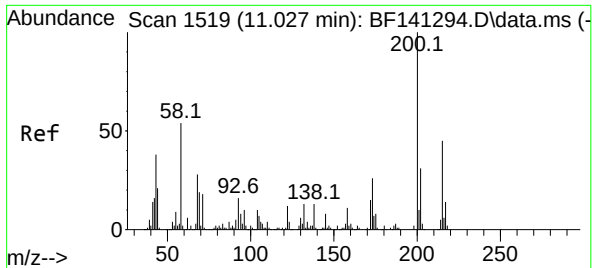
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#68
Hexachlorobenzene
Concen: 39.975 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:284 Resp: 224609
Ion Ratio Lower Upper
284 100
142 35.3 29.5 44.3
249 30.9 25.4 38.2





#69

Atrazine

Concen: 44.300 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:200 Resp: 226664

Ion Ratio Lower Upper

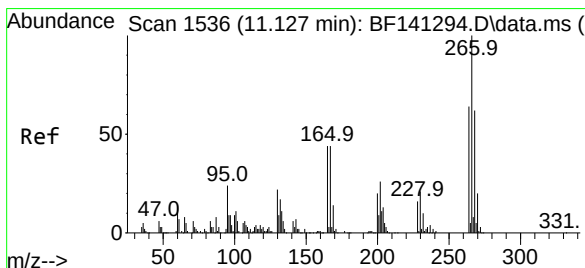
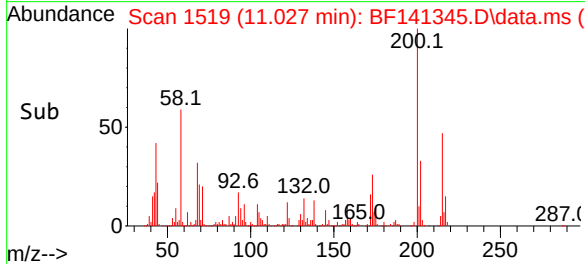
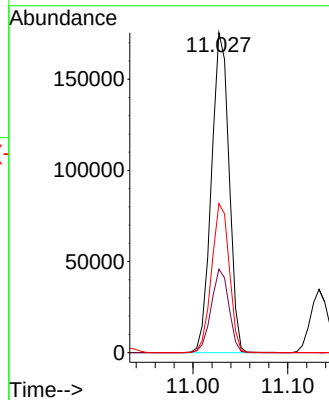
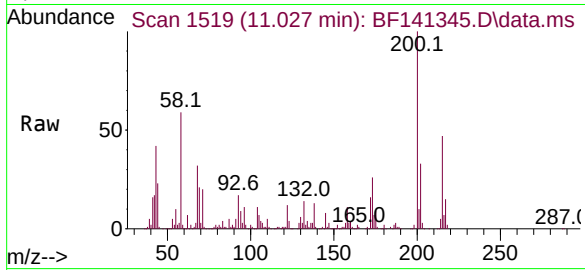
200 100

173 26.1 5.9 45.9

215 46.6 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 76.609 ng

RT: 11.133 min Scan# 1537

Delta R.T. -0.000 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

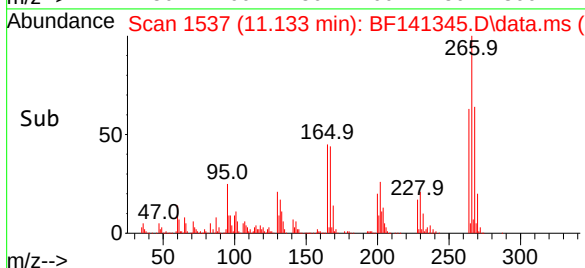
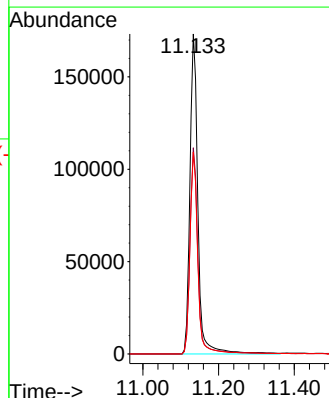
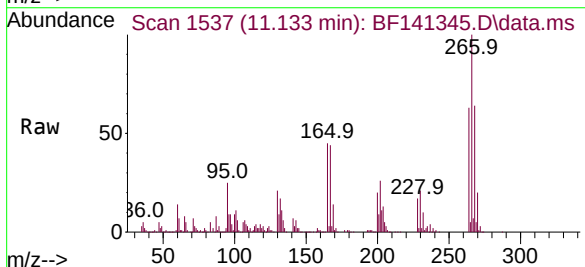
Tgt Ion:266 Resp: 252064

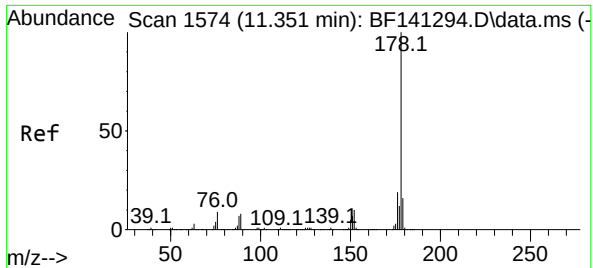
Ion Ratio Lower Upper

266 100

268 64.5 49.9 74.9

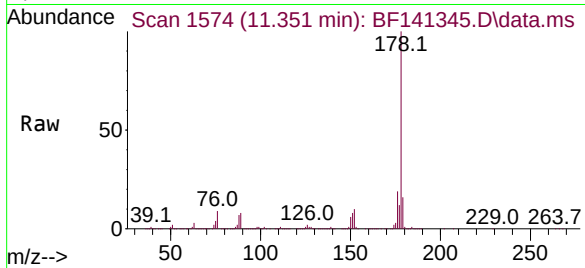
264 63.1 51.0 76.4





#71
Phenanthrene
Concen: 39.897 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

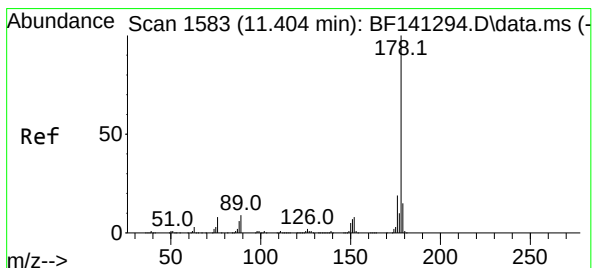
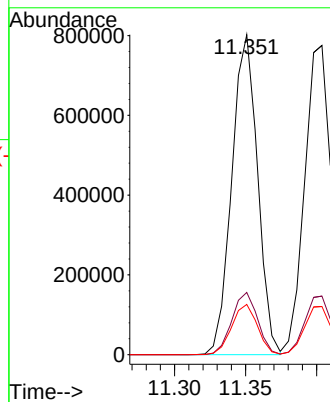
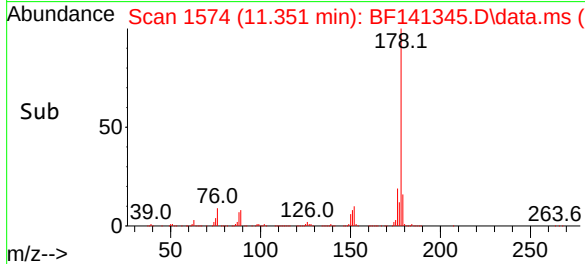
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:178 Resp: 1014710
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7

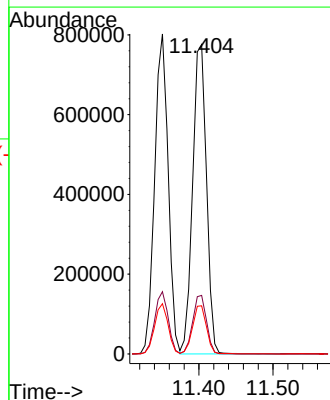
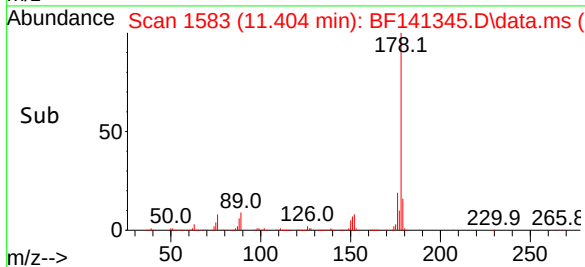
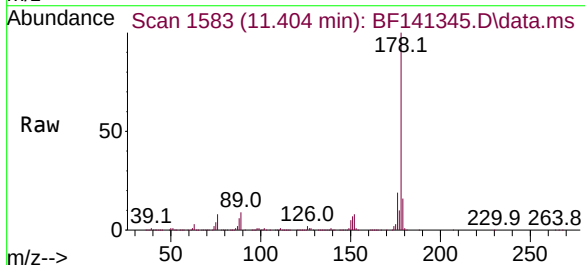
Manual Integrations
APPROVED

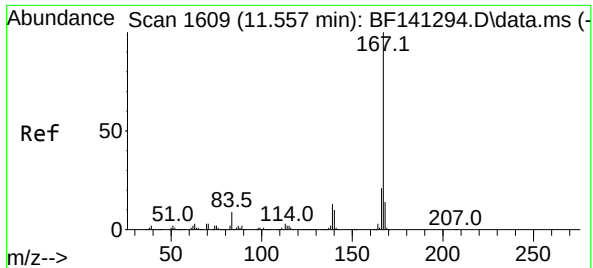
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 40.409 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

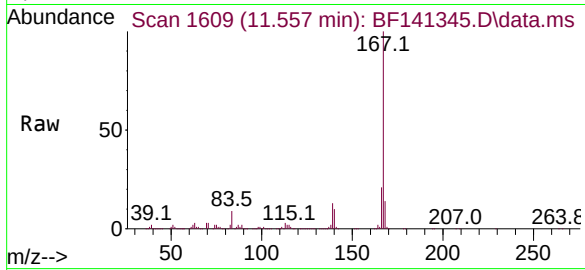
Tgt Ion:178 Resp: 1006998
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.6 12.3 18.5





#73
 Carbazole
 Concen: 36.217 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF141345.D
 Acq: 31 Jan 2025 21:23

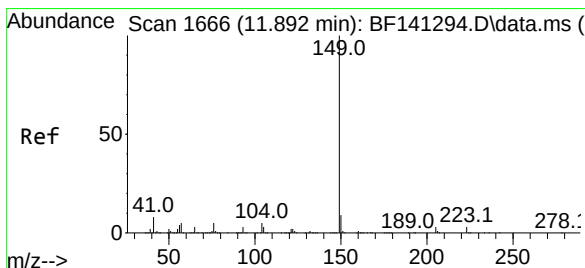
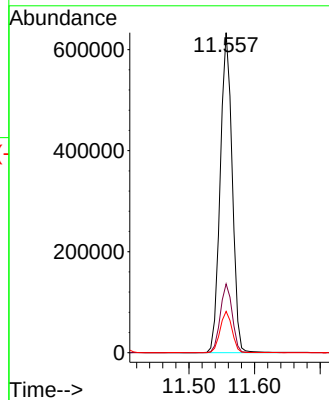
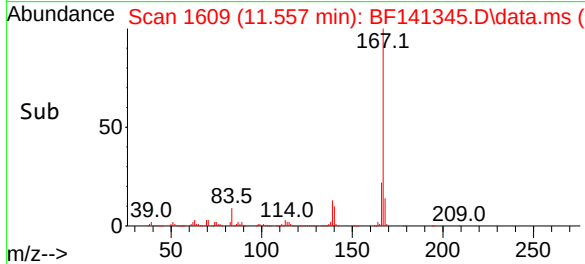
Instrument :
 BNA_F
 ClientSampleId :
 357MS



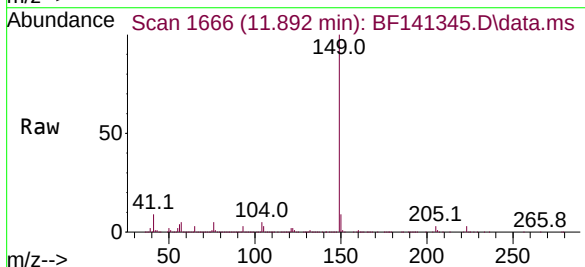
Tgt Ion:167 Resp: 800284
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 12.9 10.6 16.0

Manual Integrations
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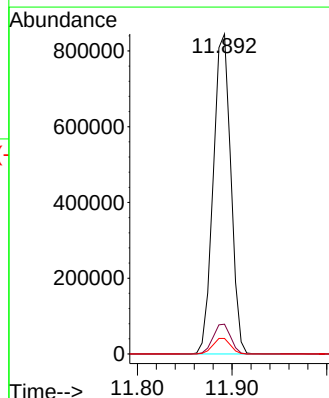
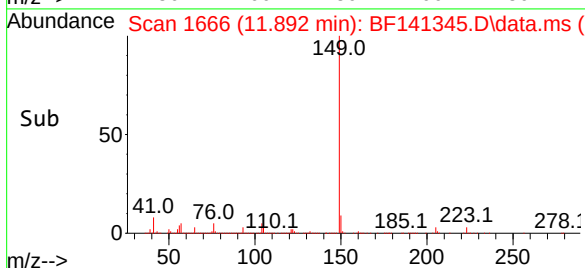
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

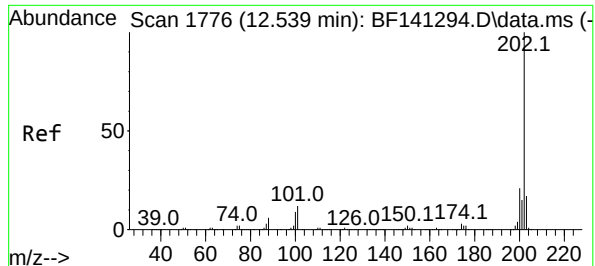


#74
 Di-n-butylphthalate
 Concen: 40.554 ng
 RT: 11.892 min Scan# 1666
 Delta R.T. -0.000 min
 Lab File: BF141345.D
 Acq: 31 Jan 2025 21:23



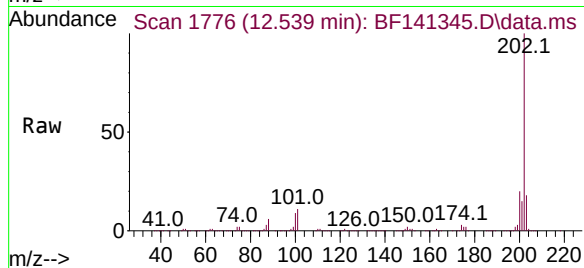
Tgt Ion:149 Resp: 1086017
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.9 3.9 5.9





#75
Fluoranthene
Concen: 35.790 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

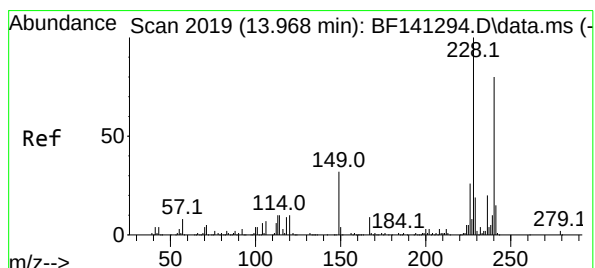
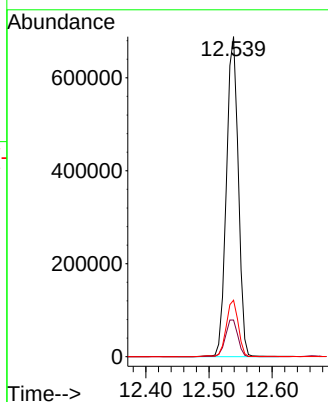
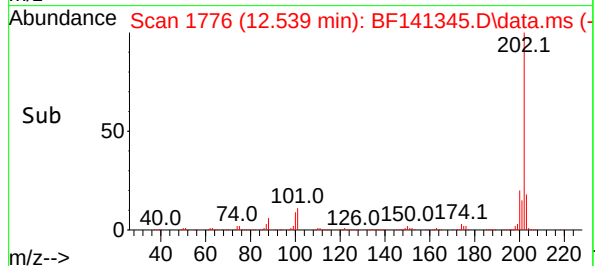
Instrument :
BNA_F
ClientSampleId :
357MS



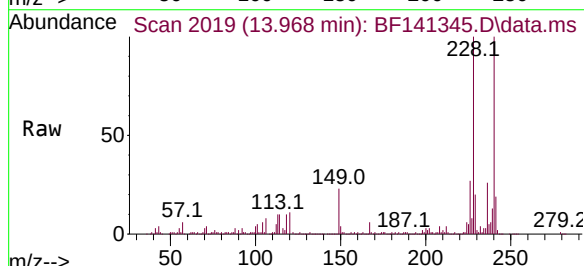
Tgt Ion:202 Resp: 898790
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.6 0.0 37.5

Manual Integrations
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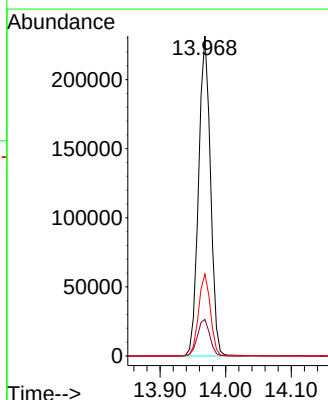
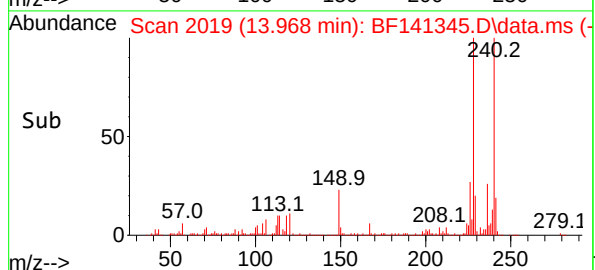
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

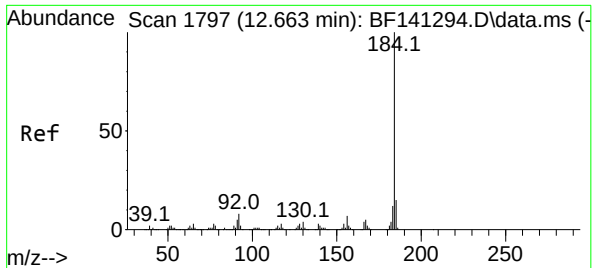


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



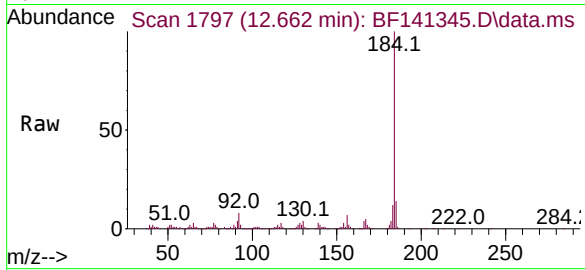
Tgt Ion:240 Resp: 293043
Ion Ratio Lower Upper
240 100
120 11.4 10.0 15.0
236 25.6 19.7 29.5





#77
Benzidine
Concen: 37.728 ng
RT: 12.662 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

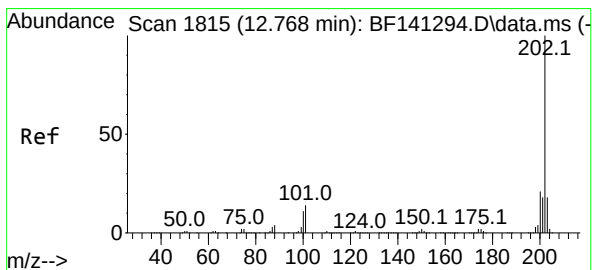
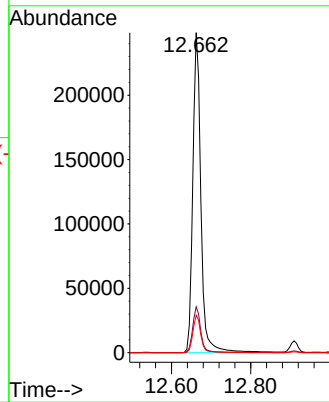
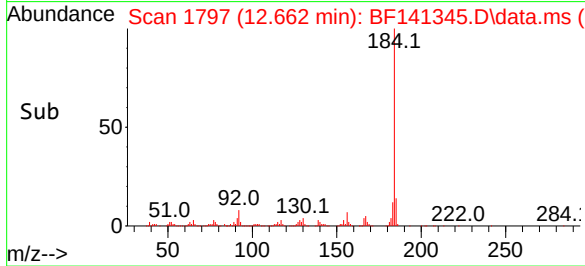
Instrument :
BNA_F
ClientSampleId :
357MS



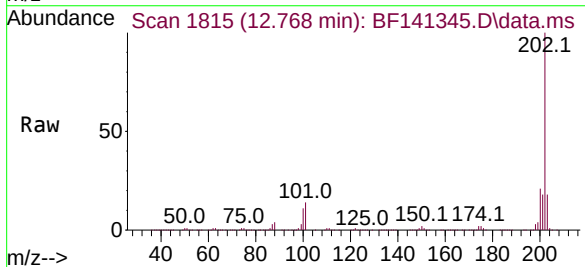
Tgt Ion:184 Resp: 35443
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.7 9.5 14.3

Manual Integrations
APPROVED

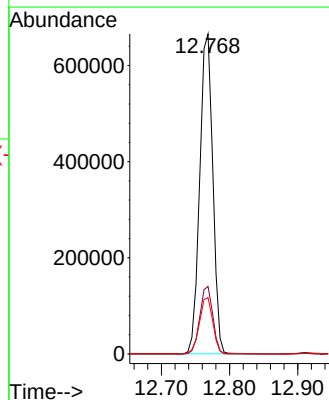
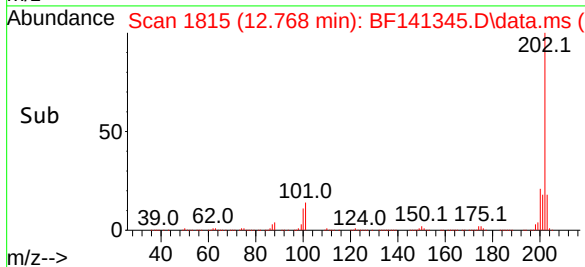
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

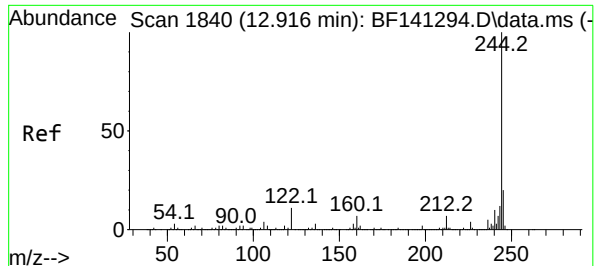


#78
Pyrene
Concen: 31.552 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



Tgt Ion:202 Resp: 887523
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 46.027 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:244 Resp: 874602

Ion Ratio Lower Upper

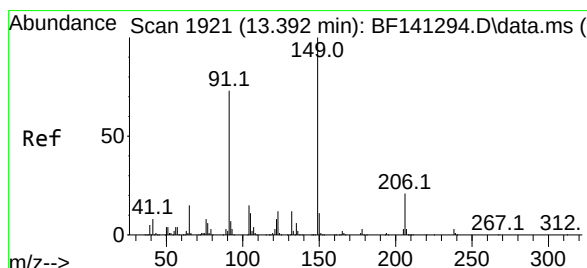
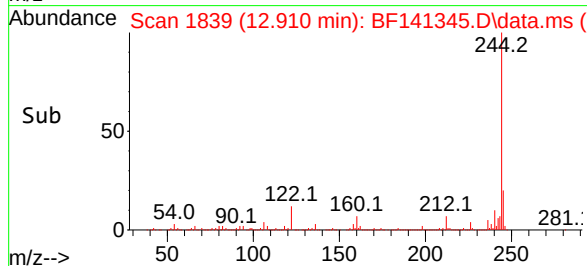
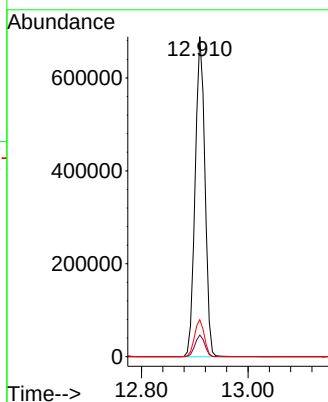
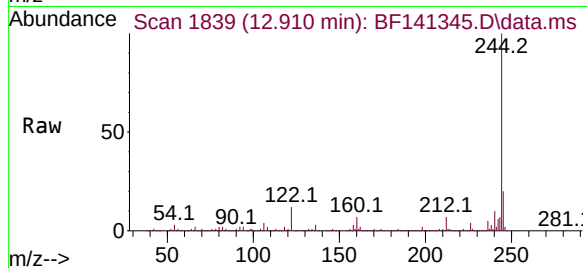
244 100

212 6.8 5.4 8.0

122 11.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#80

Butylbenzylphthalate

Concen: 36.444 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

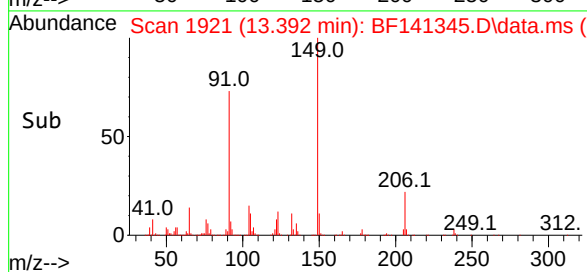
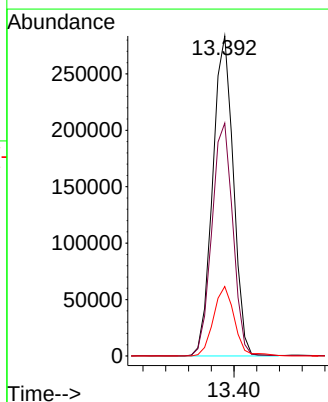
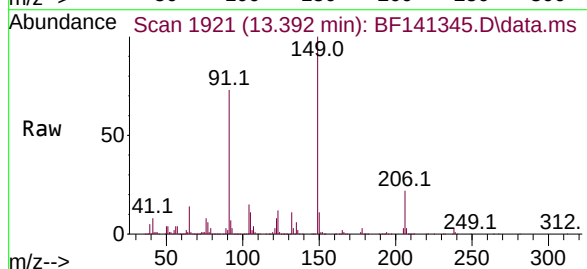
Tgt Ion:149 Resp: 358143

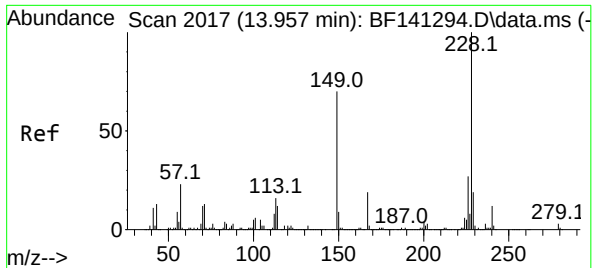
Ion Ratio Lower Upper

149 100

91 72.8 58.6 87.8

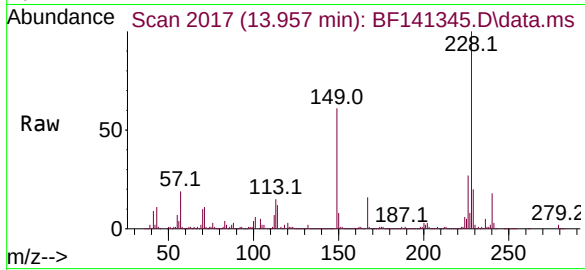
206 21.7 16.7 25.1





#81
Benzo(a)anthracene
Concen: 36.408 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

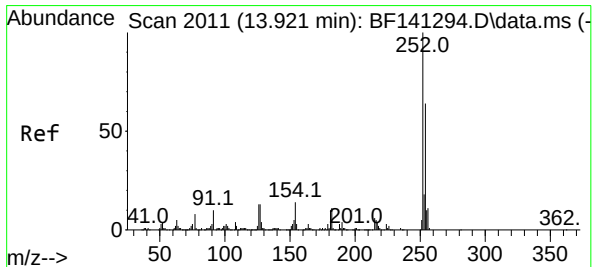
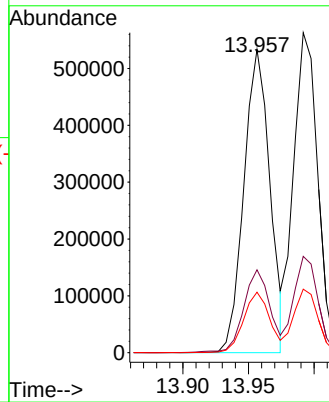
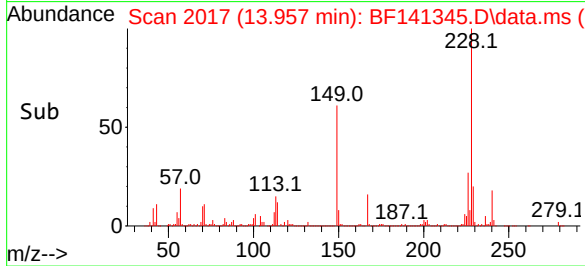
Instrument :
BNA_F
ClientSampleId :
357MS



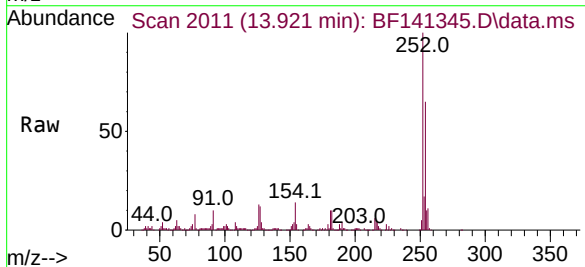
Tgt Ion:228 Resp: 736238
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.9 15.5 23.3

Manual Integrations
APPROVED

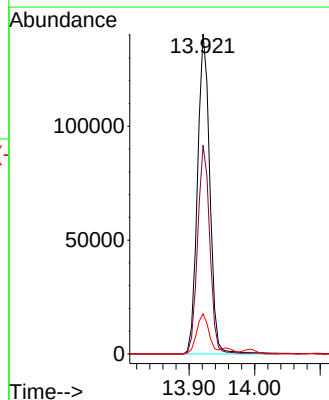
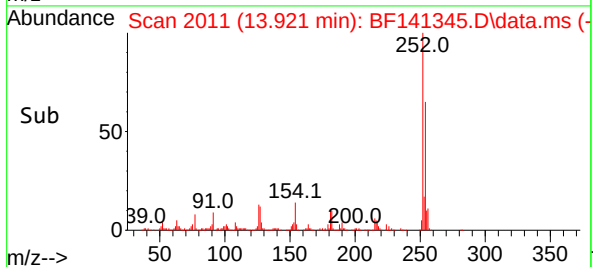
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

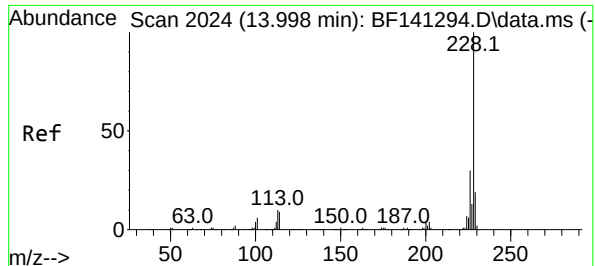


#82
3,3'-Dichlorobenzidine
Concen: 28.589 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23



Tgt Ion:252 Resp: 183871
Ion Ratio Lower Upper
252 100
254 65.2 51.3 76.9
126 12.6 10.0 15.0





#83

Chrysene

Concen: 38.560 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:228 Resp: 714615

Ion Ratio Lower Upper

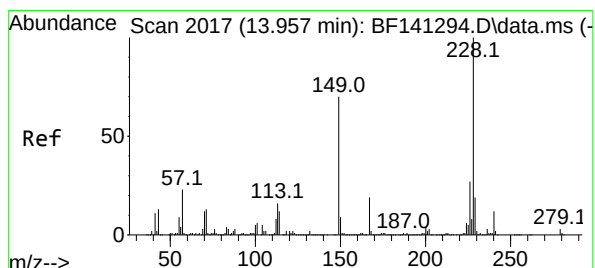
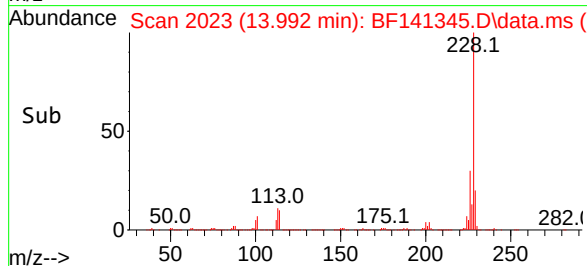
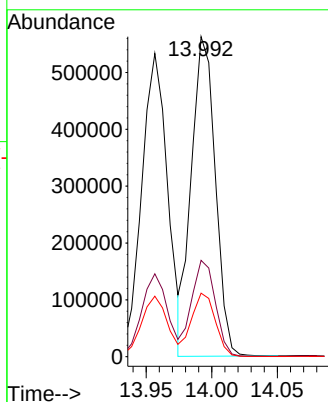
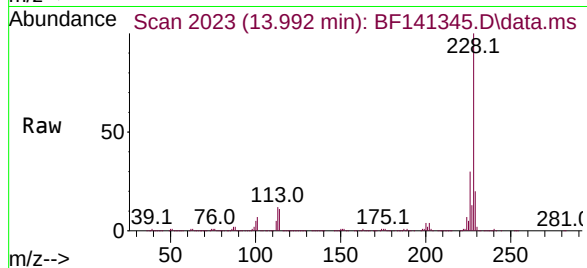
228 100

226 30.1 24.1 36.1

229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 37.934 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

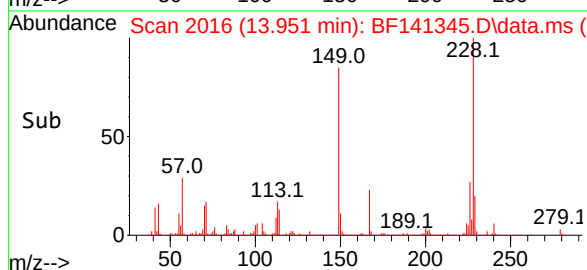
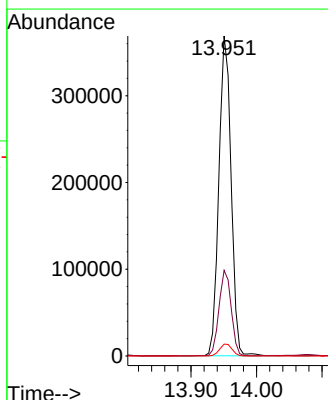
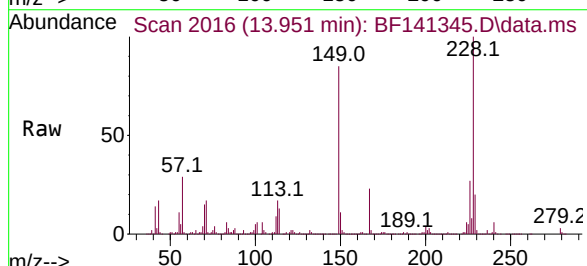
Tgt Ion:149 Resp: 472896

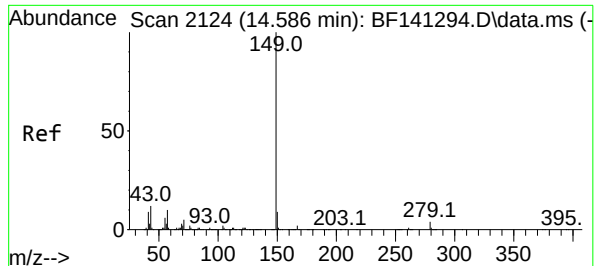
Ion Ratio Lower Upper

149 100

167 26.8 21.8 32.8

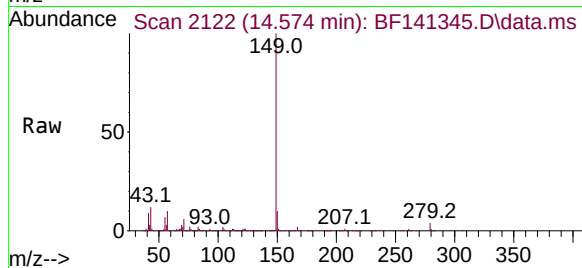
279 3.7 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 43.490 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

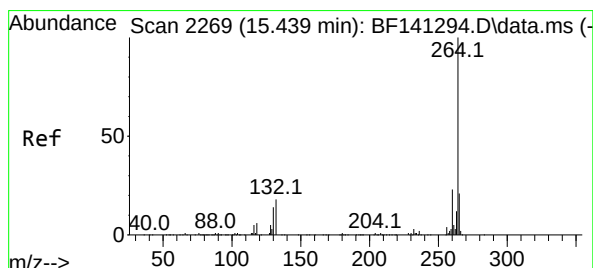
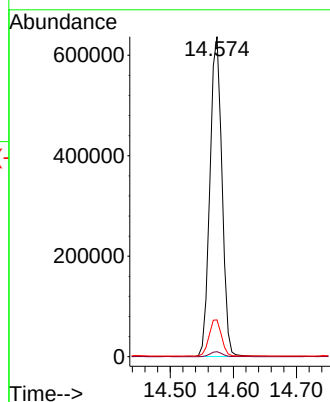
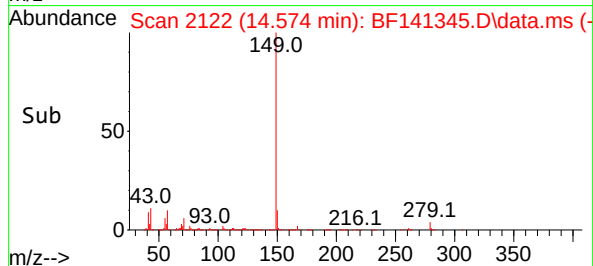
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:149 Resp: 842065
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.9 9.8 14.8

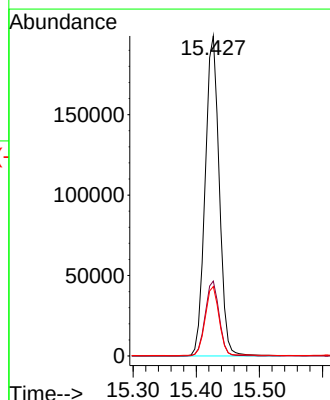
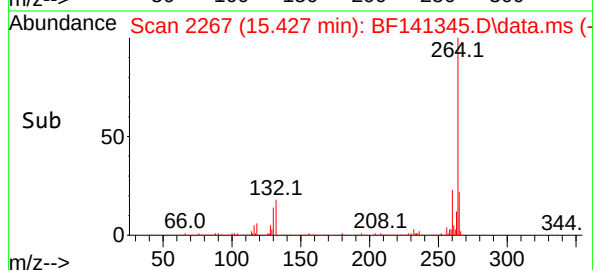
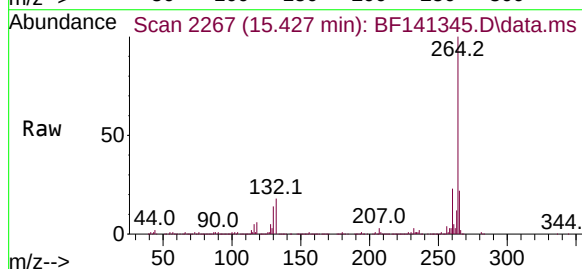
Manual Integrations
APPROVED

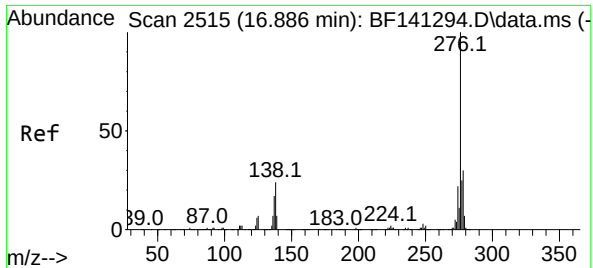
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

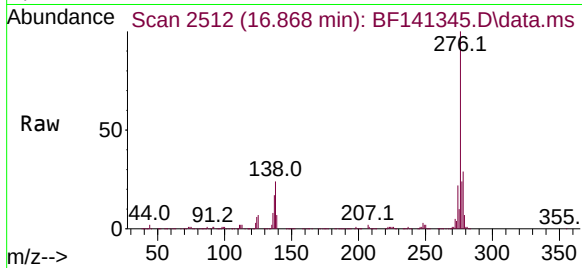
Tgt Ion:264 Resp: 307605
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.7 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 30.643 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.030 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

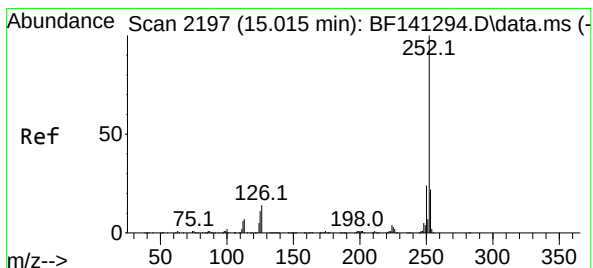
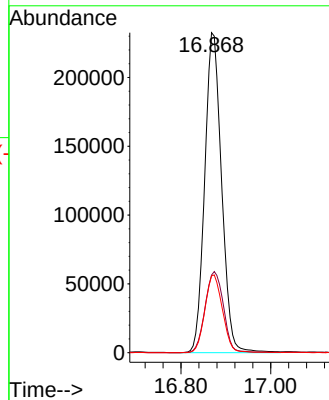
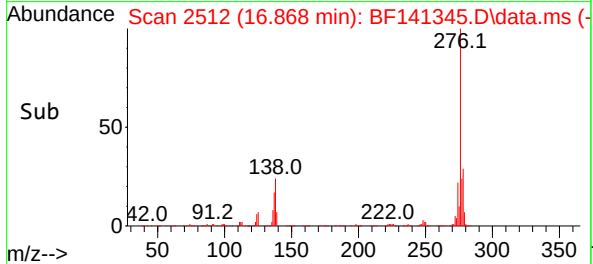
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:276 Resp: 608369
Ion Ratio Lower Upper
276 100
138 27.7 21.7 32.5
277 25.4 20.3 30.5

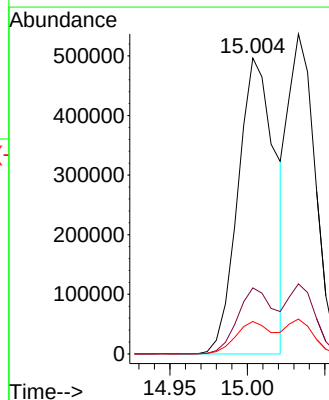
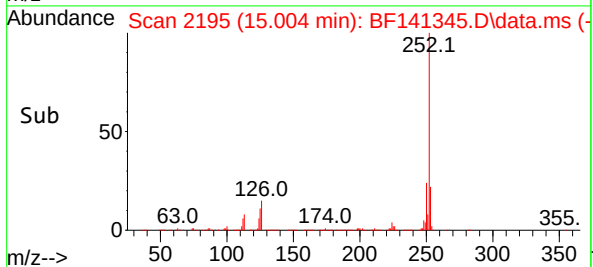
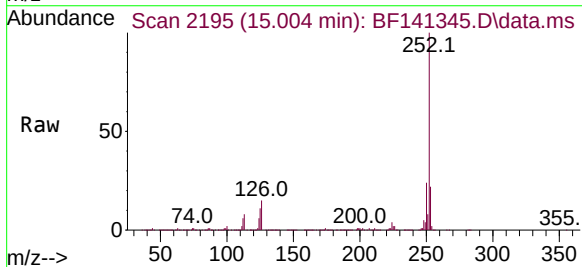
Manual Integrations
APPROVED

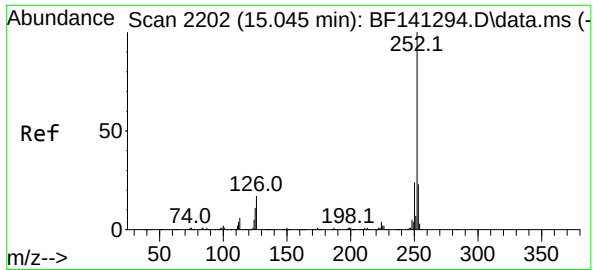
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#88
Benzo(b)fluoranthene
Concen: 42.754 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:252 Resp: 827249
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 11.0 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 37.852 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

Instrument :

BNA_F

ClientSampleId :

357MS

Tgt Ion:252 Resp: 64881

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

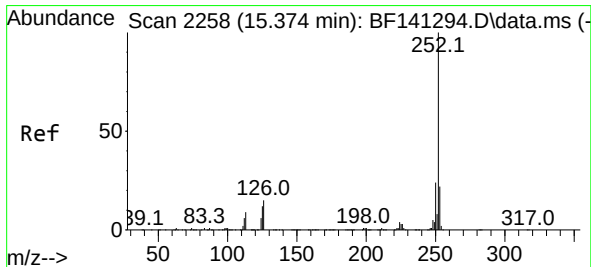
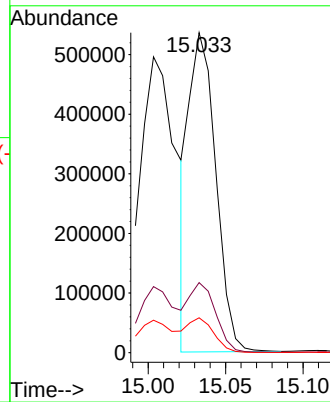
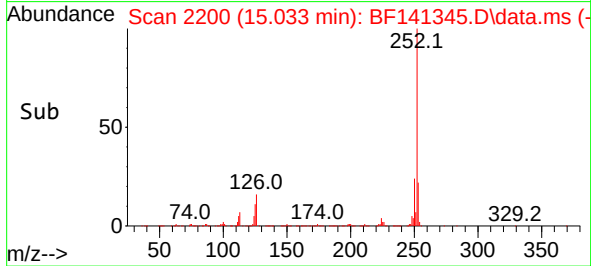
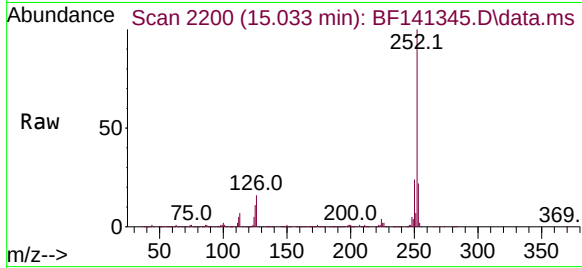
125 10.9 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 42.094 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141345.D

Acq: 31 Jan 2025 21:23

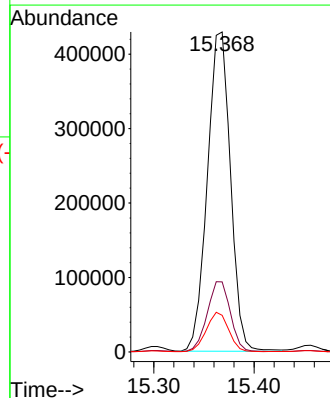
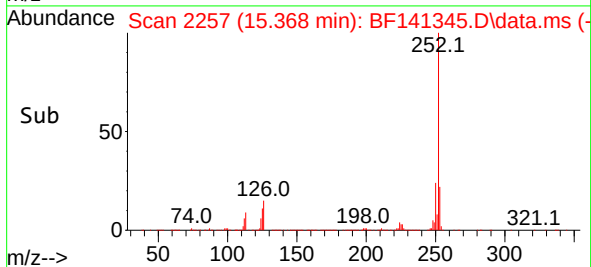
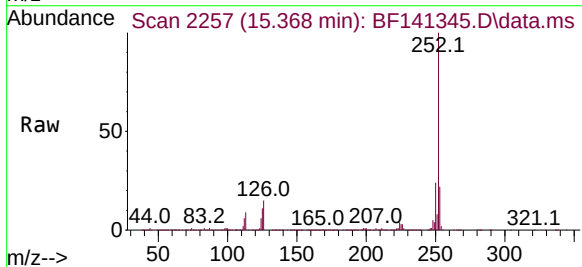
Tgt Ion:252 Resp: 688279

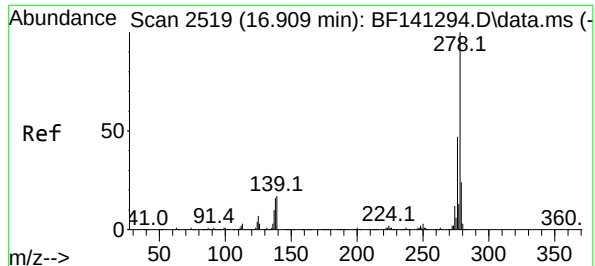
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

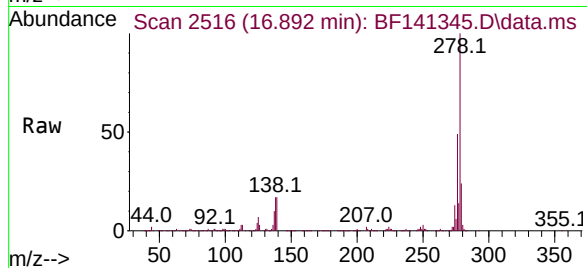
125 11.4 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 30.801 ng
RT: 16.892 min Scan# 2519
Delta R.T. -0.030 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

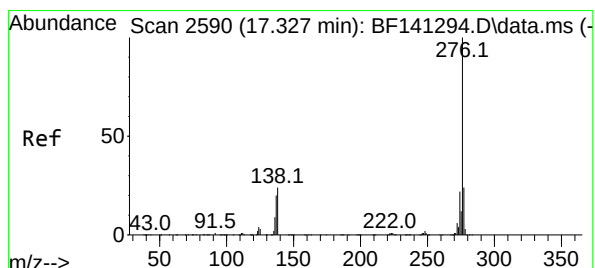
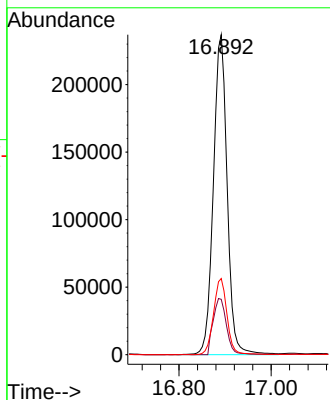
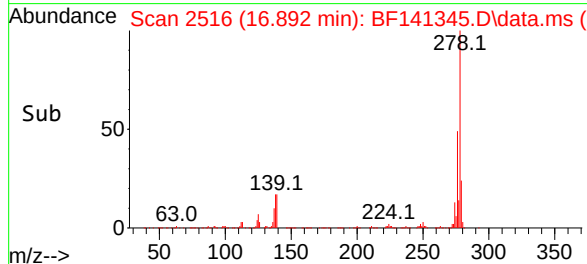
Instrument :
BNA_F
ClientSampleId :
357MS



Tgt Ion:278 Resp: 49198
Ion Ratio Lower Upper
278 100
139 17.3 13.9 20.9
279 23.8 18.8 28.2

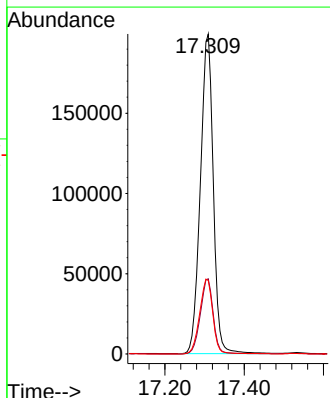
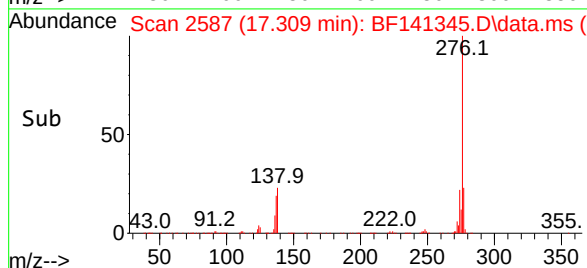
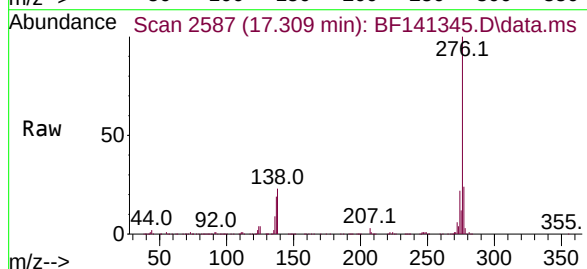
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 27.104 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.036 min
Lab File: BF141345.D
Acq: 31 Jan 2025 21:23

Tgt Ion:276 Resp: 450156
Ion Ratio Lower Upper
276 100
277 23.5 19.2 28.8
138 23.0 19.0 28.4



Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1235
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 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
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		130	230	ug/Kg
108-95-2	Phenol	920		58.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		59.2	120	ug/Kg
95-57-8	2-Chlorophenol	950		59.0	120	ug/Kg
95-48-7	2-Methylphenol	900		57.0	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		64.3	120	ug/Kg
98-86-2	Acetophenone	1100		61.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	970		56.4	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	940		28.5	56.6	ug/Kg
67-72-1	Hexachloroethane	910		58.7	120	ug/Kg
98-95-3	Nitrobenzene	910		64.2	120	ug/Kg
78-59-1	Isophorone	960		59.8	120	ug/Kg
88-75-5	2-Nitrophenol	970		66.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		65.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		60.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		53.4	120	ug/Kg
91-20-3	Naphthalene	900		58.4	120	ug/Kg
106-47-8	4-Chloroaniline	240		58.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	890		58.9	120	ug/Kg
105-60-2	Caprolactam	1100		61.4	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	930		54.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	890		58.3	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	110	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		50.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		52.3	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		61.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	900		58.9	120	ug/Kg
88-74-4	2-Nitroaniline	950		67.2	120	ug/Kg
131-11-3	Dimethylphthalate	970		57.8	120	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1235
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 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
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		61.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		58.8	120	ug/Kg
99-09-2	3-Nitroaniline	550		63.1	120	ug/Kg
83-32-9	Acenaphthene	1000		57.3	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	230	ug/Kg
100-02-7	4-Nitrophenol	1700		82.0	230	ug/Kg
132-64-9	Dibenzofuran	920		59.7	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		61.0	120	ug/Kg
84-66-2	Diethylphthalate	950		56.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		60.5	120	ug/Kg
86-73-7	Fluorene	900		60.5	120	ug/Kg
100-01-6	4-Nitroaniline	870		75.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		82.7	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		57.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		55.8	120	ug/Kg
118-74-1	Hexachlorobenzene	990		60.1	120	ug/Kg
1912-24-9	Atrazine	1100		64.6	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	54.7	230	ug/Kg
85-01-8	Phenanthrene	1000		59.4	120	ug/Kg
120-12-7	Anthracene	1000		59.7	120	ug/Kg
86-74-8	Carbazole	920		56.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		59.6	120	ug/Kg
206-44-0	Fluoranthene	920		57.8	120	ug/Kg
129-00-0	Pyrene	810		58.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		68.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		69.7	230	ug/Kg
56-55-3	Benzo(a)anthracene	930		57.1	120	ug/Kg
218-01-9	Chrysene	980		56.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		64.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		77.8	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		57.3	120	ug/Kg

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	357MSD	SDG No.:	Q1235
Lab Sample ID:	Q1239-10MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.8
Sample Wt/Vol:	50.03 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
BF141346.D	1	01/31/25 10:20	01/31/25 21:50	PB166418

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		58.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		65.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		55.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	780		57.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	690		56.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		61.4	120	ug/Kg
123-91-1	1,4-Dioxane	950		77.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		52.8	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.0		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	82.0		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.9		18 - 107	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.1		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	49.7		10 - 105	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798			
1146-65-2	Naphthalene-d8	588000	8.081			
15067-26-2	Acenaphthene-d10	309000	9.839			
1517-22-2	Phenanthrene-d10	457000	11.322			
1719-03-5	Chrysene-d12	288000	13.968			
1520-96-3	Perylene-d12	294000	15.421			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141346.D
 Acq On : 31 Jan 2025 21:50
 Operator : RC/JU
 Sample : Q1239-10MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149445	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587795	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	309142	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	457150	20.000	ng	0.00
76) Chrysene-d12	13.968	240	288493	20.000	ng	0.00
86) Perylene-d12	15.421	264	294341	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	817350	83.964	ng	0.01
7) Phenol-d6	6.440	99	1015815	82.029	ng	0.00
23) Nitrobenzene-d5	7.363	82	645753	57.914	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	238319	84.089	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1113958	55.463	ng	0.00
79) Terphenyl-d14	12.910	244	929665	49.697	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.575	88	173333	40.487	ng	99
3) Pyridine	3.299	79	405752	39.336	ng	99
4) n-Nitrosodimethylamine	3.246	42	237487	40.302	ng	99
6) Aniline	6.463	93	341319	32.561	ng	# 41
8) 2-Chlorophenol	6.592	128	422311	40.476	ng	96
9) Benzaldehyde	6.345	77	330994	46.144	ng	100
10) Phenol	6.457	94	511311	38.950	ng	75
11) bis(2-Chloroethyl)ether	6.534	93	403100	40.049	ng	99
12) 1,3-Dichlorobenzene	6.740	146	431562	37.513	ng	99
13) 1,4-Dichlorobenzene	6.816	146	436369	37.758	ng	100
14) 1,2-Dichlorobenzene	6.969	146	419896	38.800	ng	99
15) Benzyl Alcohol	6.945	79	358554	42.368	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	683880	39.073	ng	57
17) 2-Methylphenol	7.069	107	324783	38.300	ng	# 88
18) Hexachloroethane	7.310	117	164414	38.563	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	294396	40.008	ng	97
20) 3+4-Methylphenols	7.222	107	430429	41.340	ng	# 75
22) Acetophenone	7.210	105	625290	44.754	ng	# 94
24) Nitrobenzene	7.381	77	444284	38.450	ng	100
25) Isophorone	7.622	82	784855	40.721	ng	99
26) 2-Nitrophenol	7.698	139	223815	41.071	ng	100
27) 2,4-Dimethylphenol	7.745	122	354874m	51.162	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	494323	40.208	ng	99
29) 2,4-Dichlorophenol	7.951	162	343871	40.495	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	359792	37.101	ng	100
31) Naphthalene	8.104	128	1180291	38.011	ng	100
32) Benzoic acid	7.869	122	280637	44.012	ng	98
33) 4-Chloroaniline	8.151	127	106653	10.129	ng	99
34) Hexachlorobutadiene	8.222	225	215053	37.815	ng	99
35) Caprolactam	8.528	113	125023m	45.082	ng	
36) 4-Chloro-3-methylphenol	8.651	107	358605	39.371	ng	99
37) 2-Methylnaphthalene	8.792	142	745370	37.767	ng	99
38) 1-Methylnaphthalene	8.892	142	725077	37.401	ng	100
40) 1,2,4,5-Tetrachloroben...	8.963	216	379280	43.126	ng	99
41) Hexachlorocyclopentadiene	8.945	237	372270	143.327	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	235734	40.951	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141346.D
 Acq On : 31 Jan 2025 21:50
 Operator : RC/JU
 Sample : Q1239-10MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 31 22:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	251331	40.115	ng	98
46) 1,1'-Biphenyl	9.257	154	1056092	43.804	ng	100
47) 2-Chloronaphthalene	9.281	162	715690	38.085	ng	99
48) 2-Nitroaniline	9.381	65	239299	40.485	ng	98
49) Acenaphthylene	9.698	152	1105725	42.034	ng	100
50) Dimethylphthalate	9.563	163	854897	40.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	186941	38.561	ng	97
52) Acenaphthene	9.869	154	820232m	43.647	ng	
53) 3-Nitroaniline	9.792	138	111619	23.491	ng	99
54) 2,4-Dinitrophenol	9.904	184	223971	99.384	ng	99
55) Dibenzofuran	10.045	168	979869	38.954	ng	99
56) 4-Nitrophenol	9.975	139	255108	73.413	ng	97
57) 2,4-Dinitrotoluene	10.028	165	247592	39.446	ng	98
58) Fluorene	10.386	166	746386	38.252	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	208581	42.317	ng	97
60) Diethylphthalate	10.263	149	814729	40.244	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	363176	38.104	ng	99
62) 4-Nitroaniline	10.410	138	172114	36.844	ng	99
63) Azobenzene	10.539	77	885591	43.701	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	140399	51.922	ng	98
66) n-Nitrosodiphenylamine	10.498	169	667697	45.158	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	227064	44.366	ng	97
68) Hexachlorobenzene	10.933	284	227552	41.915	ng	99
69) Atrazine	11.027	200	237625	48.067	ng	99
70) Pentachlorophenol	11.133	266	266010	83.676	ng	99
71) Phenanthrene	11.351	178	1050315	42.741	ng	99
72) Anthracene	11.404	178	1053645	43.760	ng	100
73) Carbazole	11.557	167	833117	39.021	ng	99
74) Di-n-butylphthalate	11.892	149	1136082	43.908	ng	100
75) Fluoranthene	12.539	202	950787	39.185	ng	100
77) Benzidine	12.663	184	402266	43.495	ng	99
78) Pyrene	12.769	202	947624	34.219	ng	99
80) Butylbenzylphthalate	13.392	149	380601	39.340	ng	100
81) Benzo(a)anthracene	13.957	228	783821	39.373	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	202580	31.995	ng	99
83) Chrysene	13.992	228	759093	41.606	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	505063	41.154	ng	99
85) Di-n-octyl phthalate	14.568	149	898058	47.113	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	622389	32.762	ng	99
88) Benzo(b)fluoranthene	15.004	252	775353	41.877	ng	99
89) Benzo(k)fluoranthene	15.033	252	772232	47.082	ng	100
90) Benzo(a)pyrene	15.362	252	706630	45.164	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	504206	32.989	ng	99
92) Benzo(g,h,i)perylene	17.304	276	466099	29.328	ng	99

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

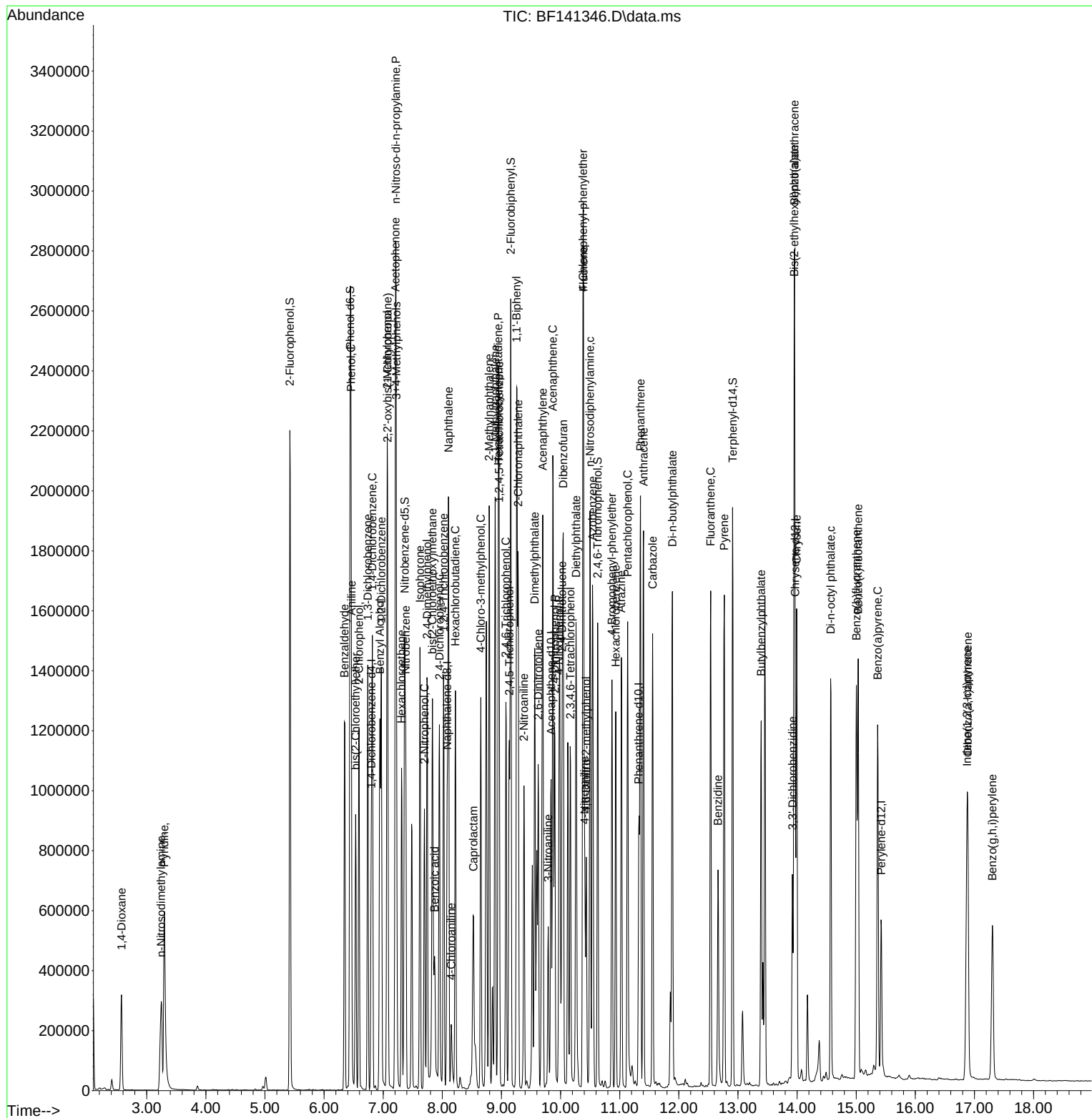
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 Data File : BF141346.D
 Acq On : 31 Jan 2025 21:50
 Operator : RC/JU
 Sample : Q1239-10MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

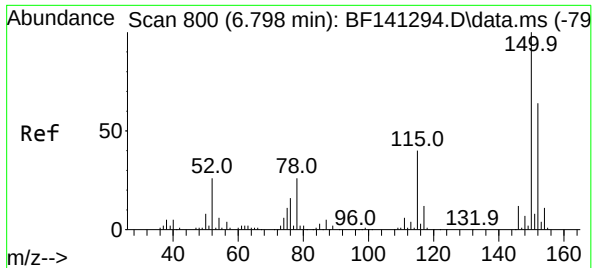
Instrument :
 BNA_F
 ClientSampleId :
 357MSD

Quant Time: Jan 31 22:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

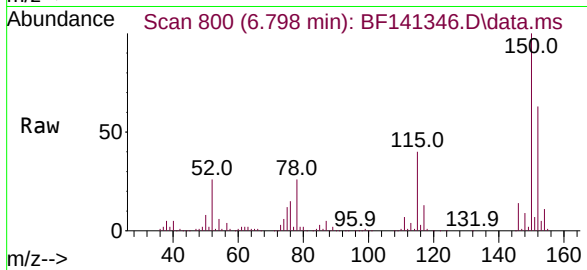
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

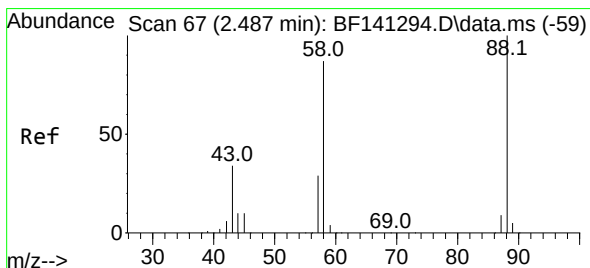
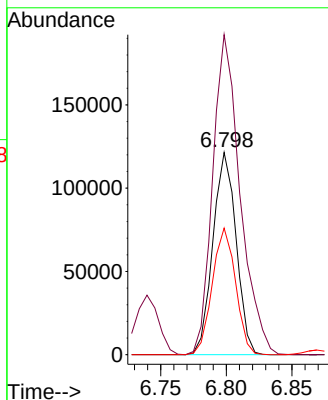
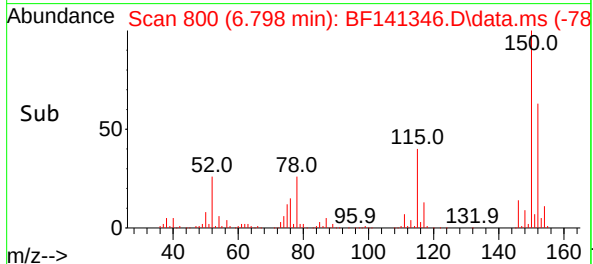
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:152 Resp: 14944
Ion Ratio Lower Upper
152 100
150 158.2 125.9 188.9
115 62.5 49.7 74.5

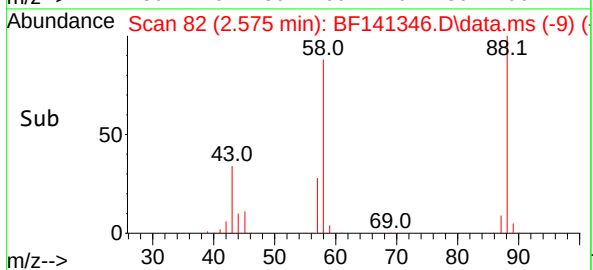
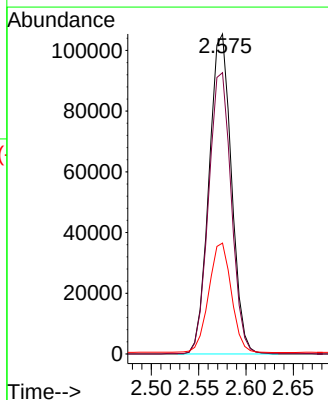
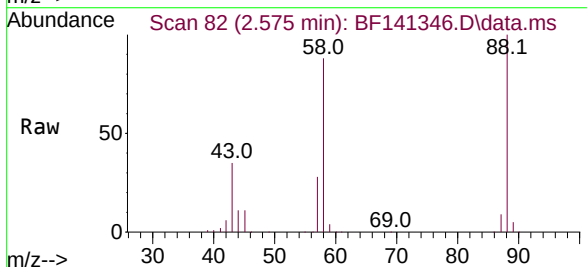
Manual Integrations
APPROVED

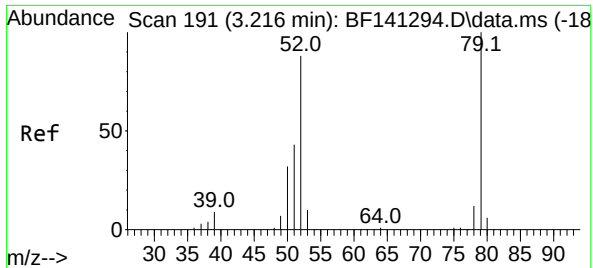
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#2
1,4-Dioxane
Concen: 40.487 ng
RT: 2.575 min Scan# 82
Delta R.T. 0.082 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

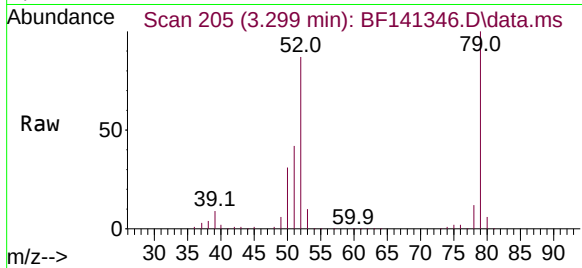
Tgt Ion: 88 Resp: 173333
Ion Ratio Lower Upper
88 100
58 89.4 70.2 105.4
43 34.5 27.6 41.4





#3
Pyridine
Concen: 39.336 ng
RT: 3.299 min Scan# 205
Delta R.T. 0.070 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

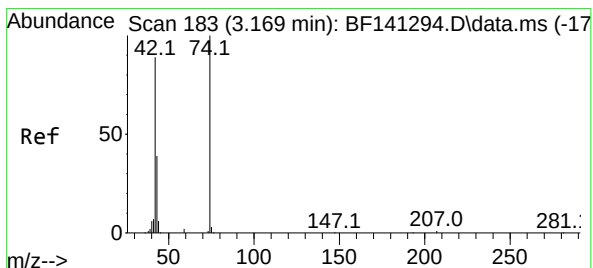
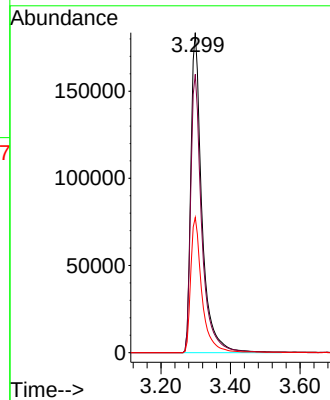
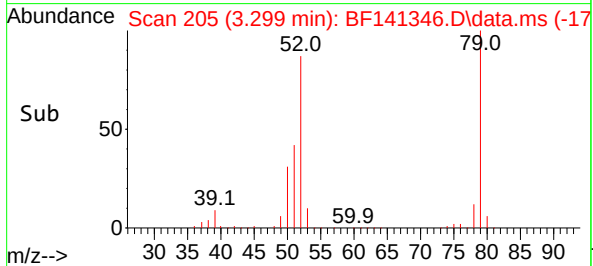
Instrument :
BNA_F
ClientSampleId :
357MSD



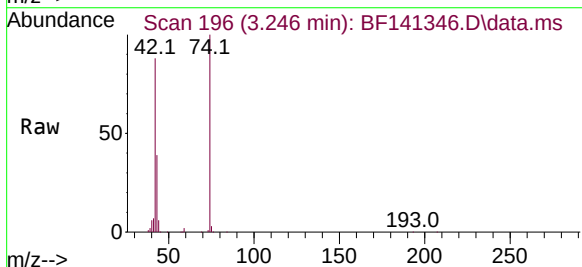
Tgt Ion: 79 Resp: 405752
Ion Ratio Lower Upper
79 100
52 87.0 70.3 105.5
51 42.3 34.3 51.5

Manual Integrations
APPROVED

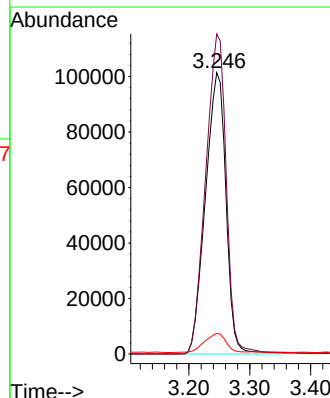
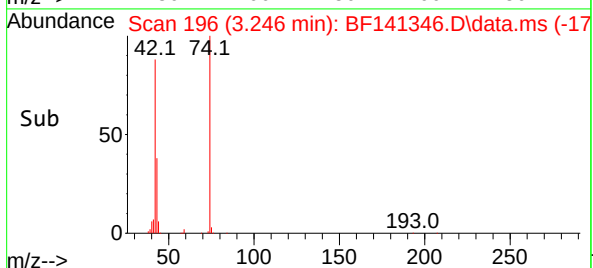
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

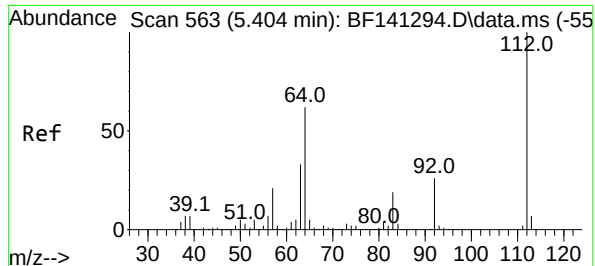


#4
n-Nitrosodimethylamine
Concen: 40.302 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.047 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



Tgt Ion: 42 Resp: 237487
Ion Ratio Lower Upper
42 100
74 113.8 90.3 135.5
44 7.3 5.7 8.5





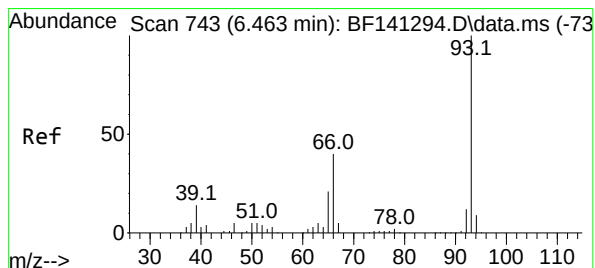
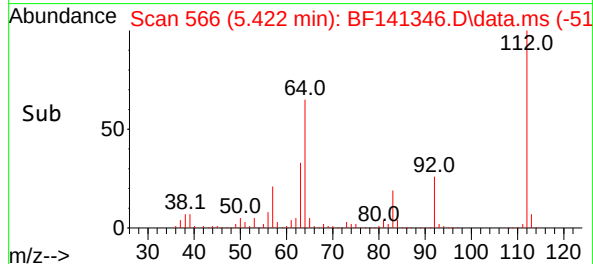
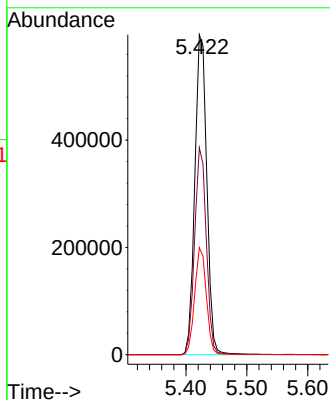
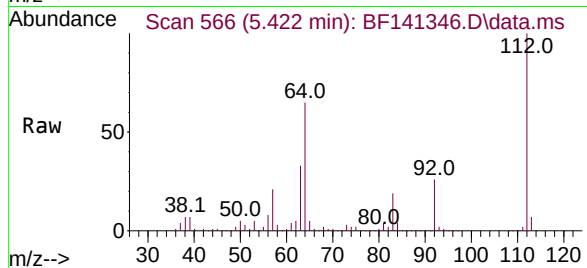
#5
2-Fluorophenol
Concen: 83.964 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Instrument :
BNA_F
ClientSampleId :
357MSD

Tgt Ion:112 Resp: 817350
Ion Ratio Lower Upper
112 100
64 64.7 49.8 74.8
63 33.4 26.1 39.1

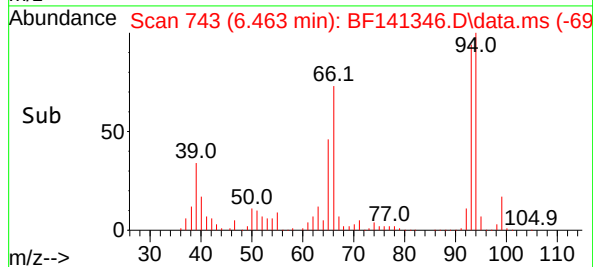
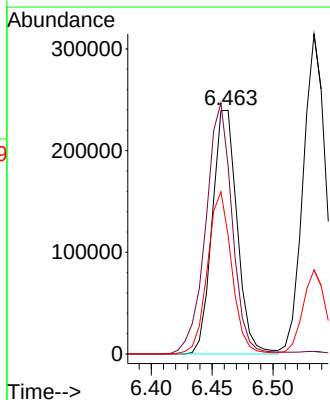
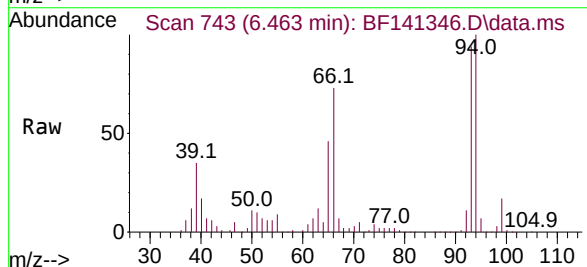
Manual Integrations
APPROVED

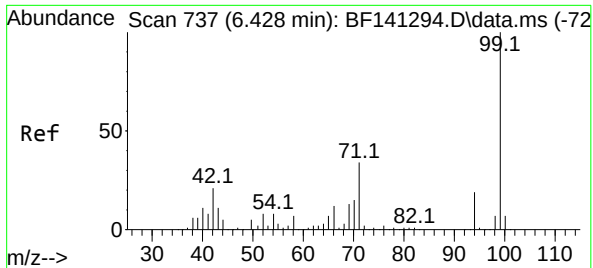
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#6
Aniline
Concen: 32.561 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

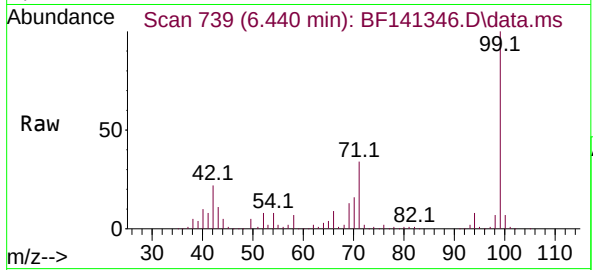
Tgt Ion: 93 Resp: 341319
Ion Ratio Lower Upper
93 100
66 77.2 32.5 48.7#
65 48.6 17.0 25.6#





#7
Phenol-d6
Concen: 82.029 ng
RT: 6.440 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

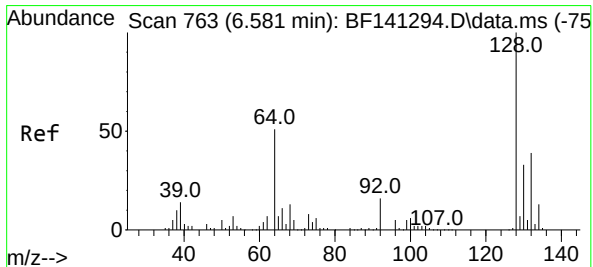
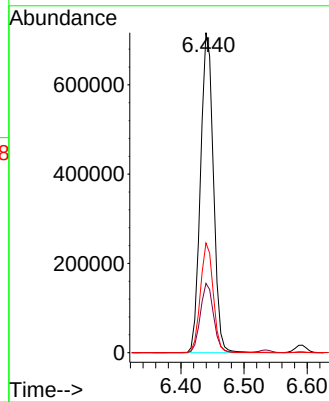
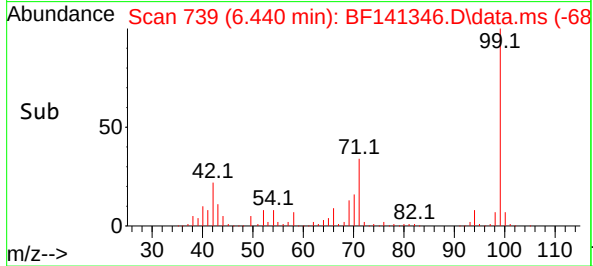
Instrument :
BNA_F
ClientSampleId :
357MSD



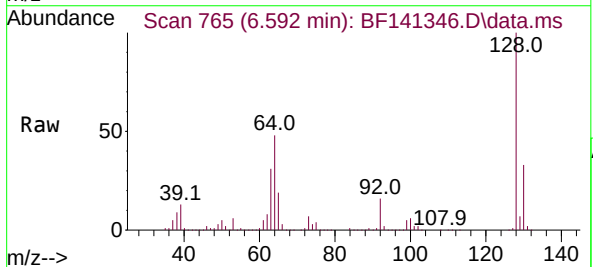
Tgt Ion: 99 Resp: 101581
Ion Ratio Lower Upper
99 100
42 21.6 17.1 25.7
71 34.2 26.9 40.3

Manual Integrations
APPROVED

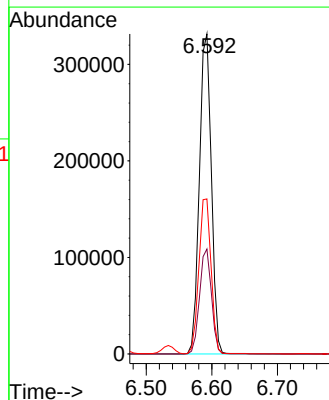
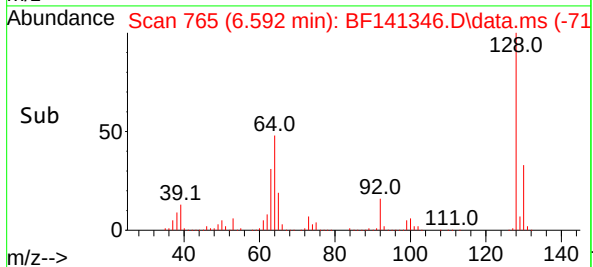
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

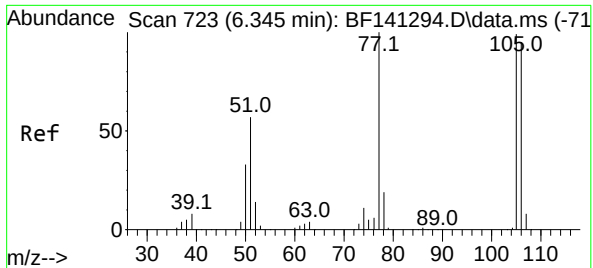


#8
2-Chlorophenol
Concen: 40.476 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



Tgt Ion:128 Resp: 422311
Ion Ratio Lower Upper
128 100
130 32.8 12.5 52.5
64 48.5 32.9 72.9





#9

Benzaldehyde

Concen: 46.144 ng

RT: 6.345 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion: 77 Resp: 330994

Ion Ratio Lower Upper

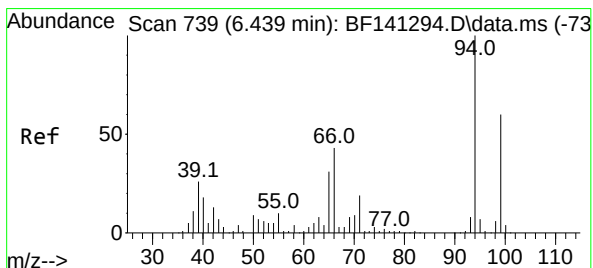
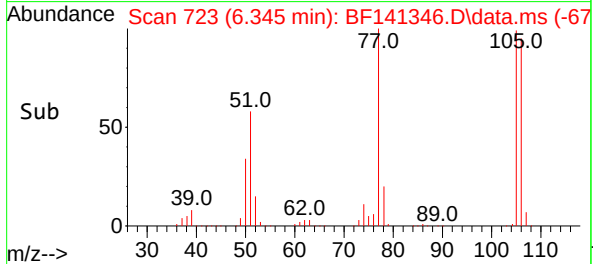
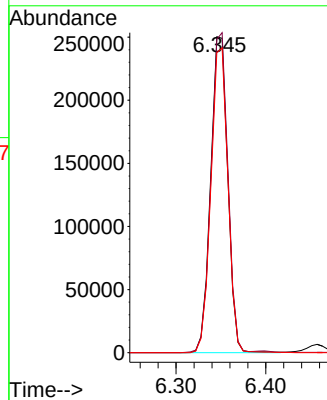
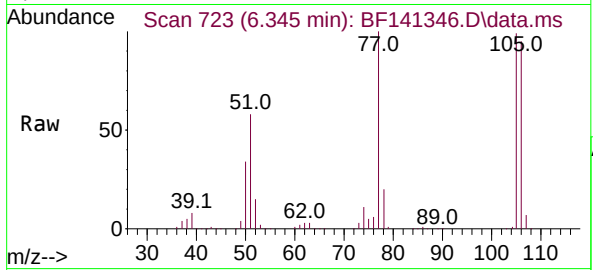
77 100

105 99.2 79.4 119.4

106 94.9 74.6 114.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#10

Phenol

Concen: 38.950 ng

RT: 6.457 min Scan# 742

Delta R.T. 0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

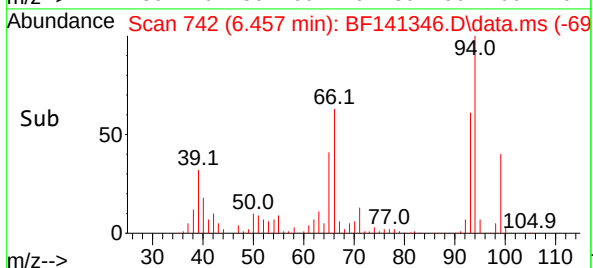
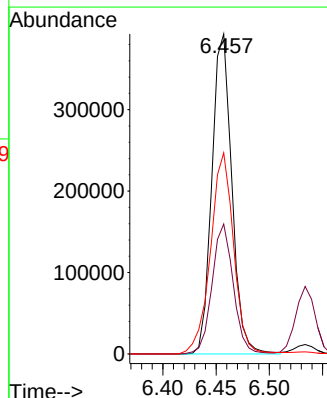
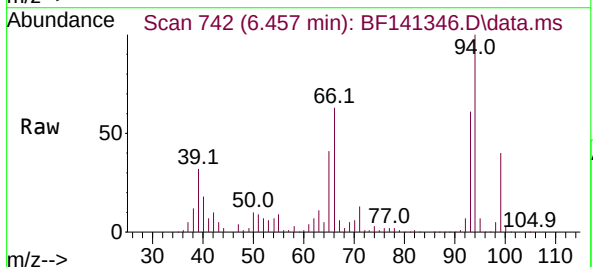
Tgt Ion: 94 Resp: 511311

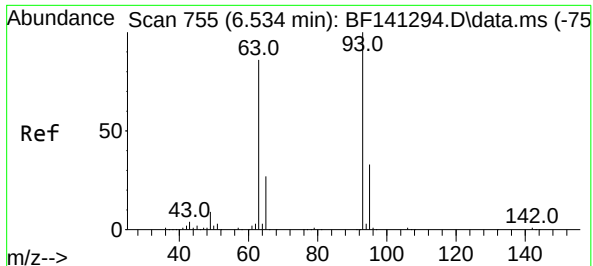
Ion Ratio Lower Upper

94 100

65 40.6 10.8 50.8

66 62.9 23.3 63.3





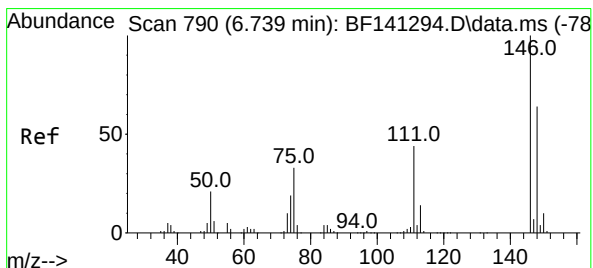
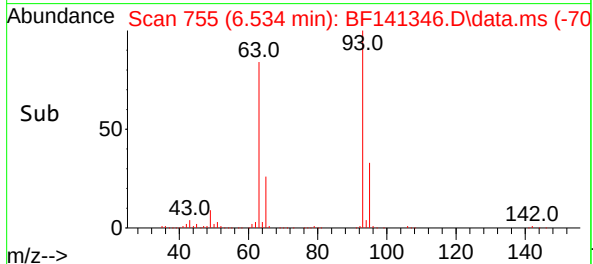
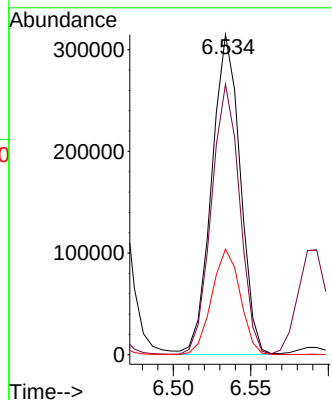
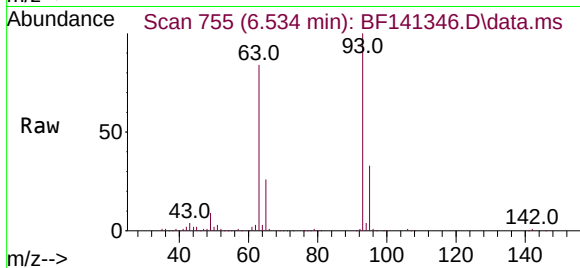
#11
bis(2-Chloroethyl)ether
Concen: 40.049 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Instrument :
BNA_F
ClientSampleId :
357MSD

Tgt Ion: 93 Resp: 403100
Ion Ratio Lower Upper
93 100
63 84.5 65.0 105.0
95 33.0 12.4 52.4

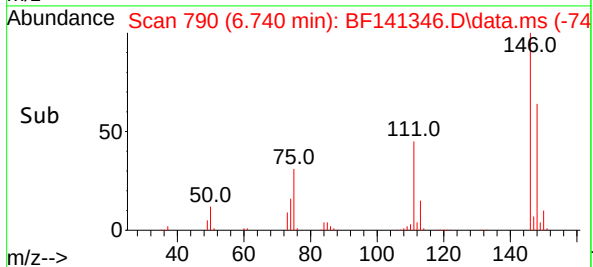
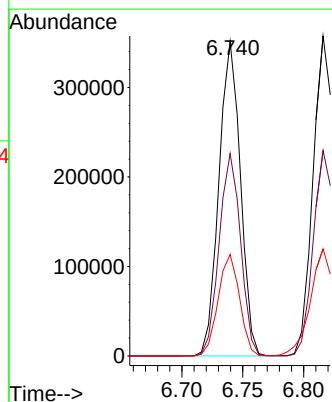
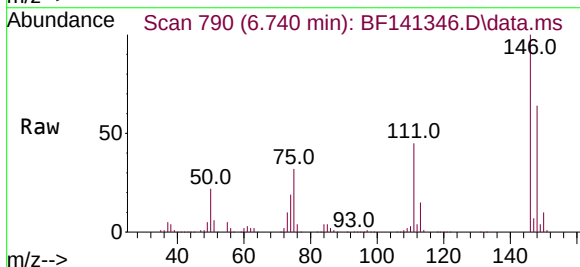
Manual Integrations
APPROVED

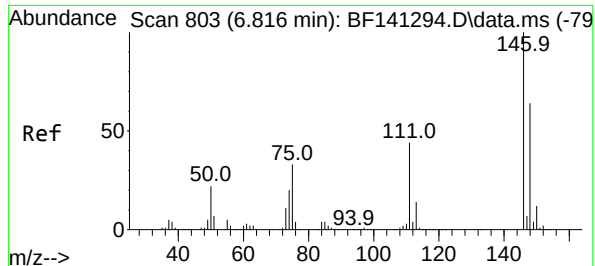
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#12
1,3-Dichlorobenzene
Concen: 37.513 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:146 Resp: 431562
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
75 32.3 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.758 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:146 Resp: 436369

Ion Ratio Lower Upper

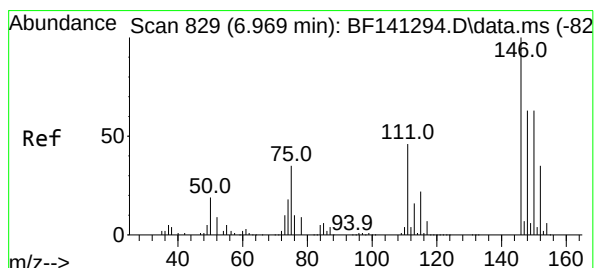
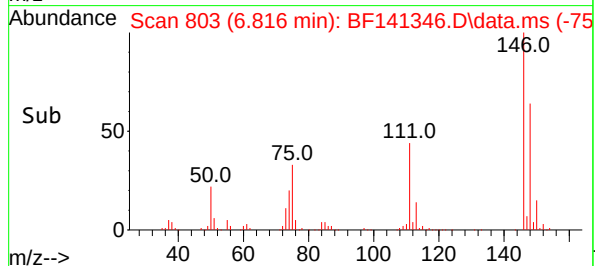
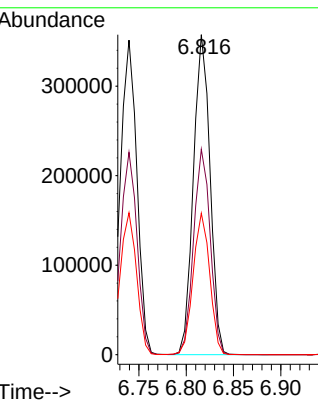
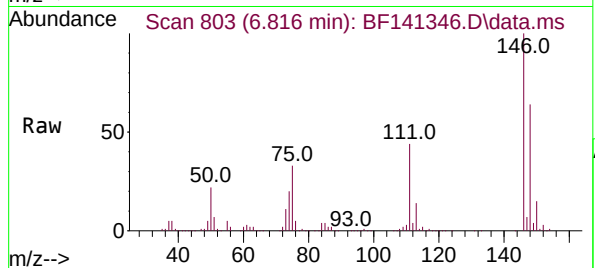
146 100

148 64.2 51.2 76.8

111 44.2 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#14

1,2-Dichlorobenzene

Concen: 38.800 ng

RT: 6.969 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

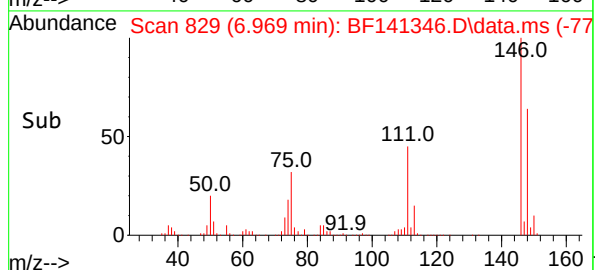
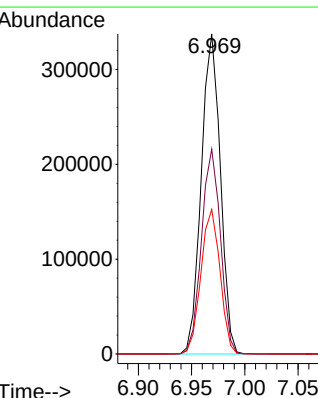
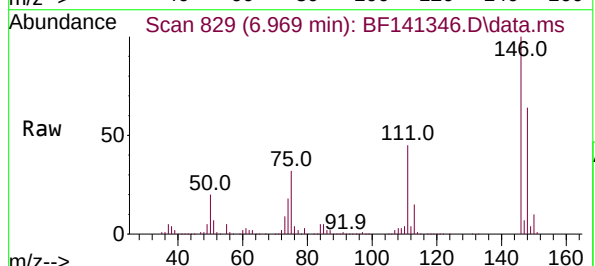
Tgt Ion:146 Resp: 419896

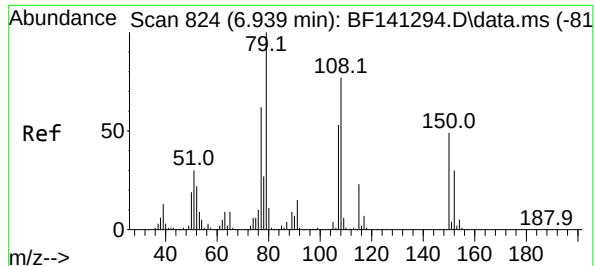
Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

111 45.2 36.6 55.0





#15

Benzyl Alcohol

Concen: 42.368 ng

RT: 6.945 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion: 79 Resp: 358554

Ion Ratio Lower Upper

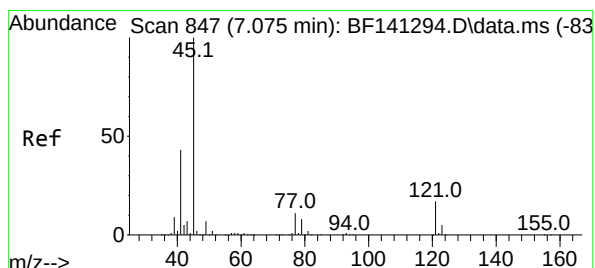
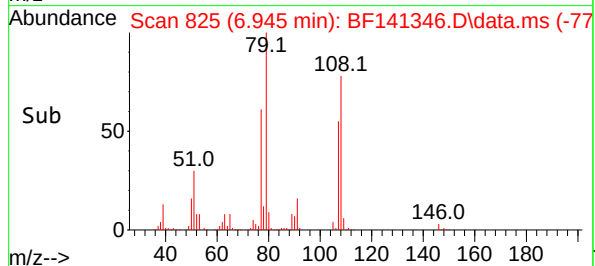
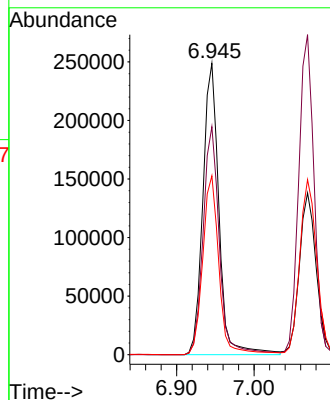
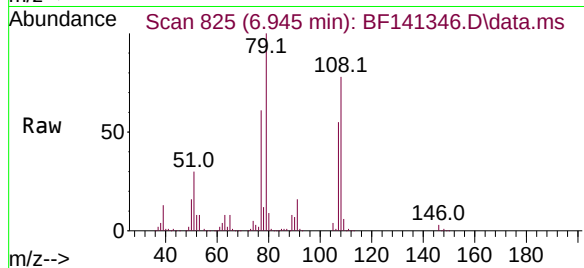
79 100

108 78.3 61.4 92.0

77 61.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.073 ng

RT: 7.075 min Scan# 847

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

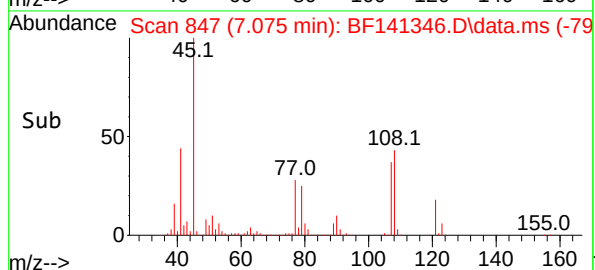
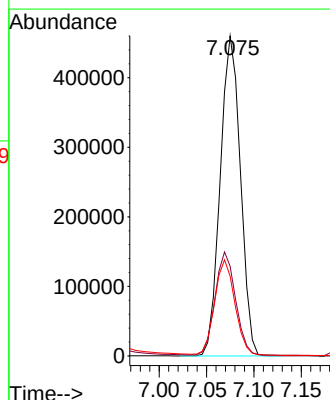
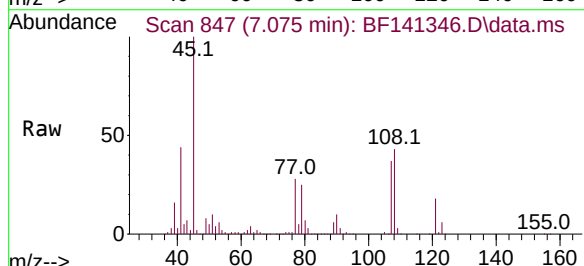
Tgt Ion: 45 Resp: 683880

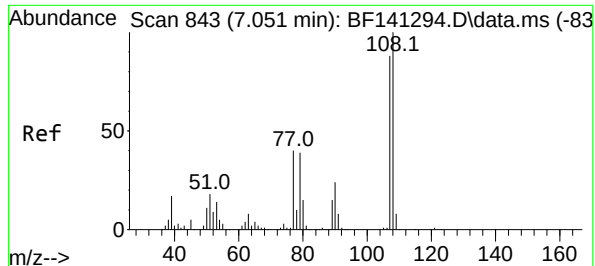
Ion Ratio Lower Upper

45 100

77 28.1 0.0 31.8

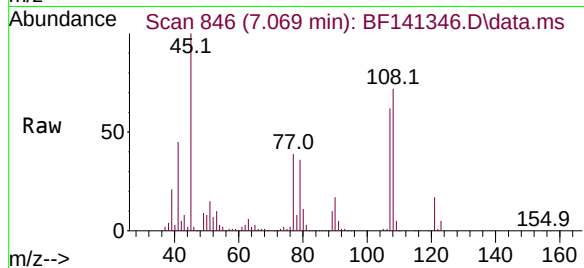
79 24.9 0.0 29.1





#17
2-Methylphenol
Concen: 38.300 ng
RT: 7.069 min Scan# 843
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

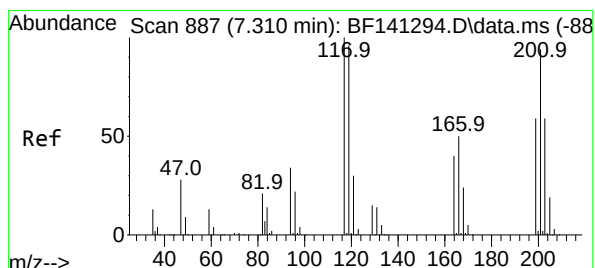
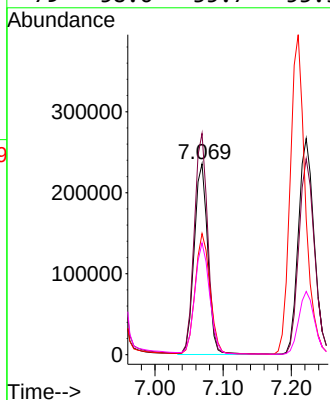
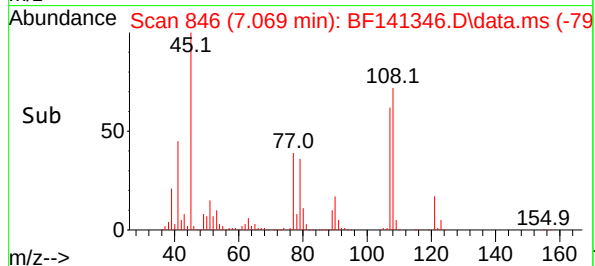
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:107 Resp: 32478
Ion Ratio Lower Upper
107 100
108 115.9 90.8 136.2
77 63.4 36.2 54.4
79 58.6 35.7 53.5#

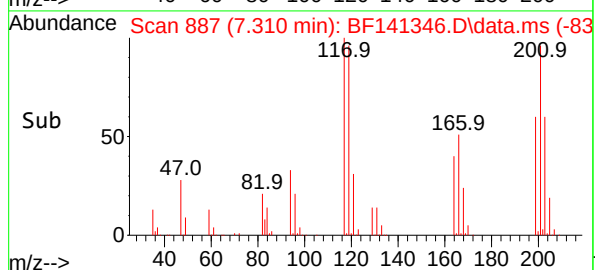
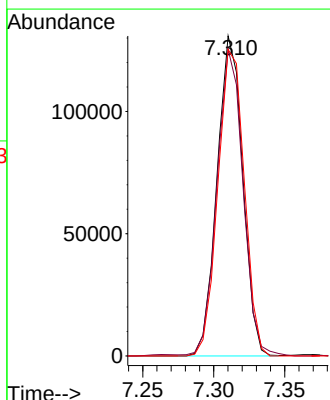
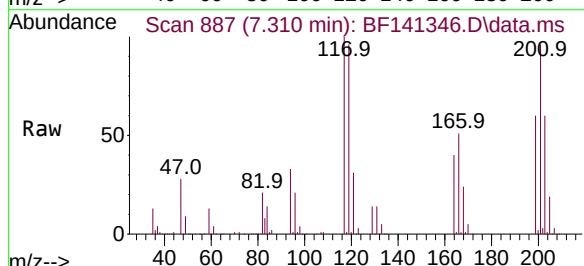
Manual Integrations
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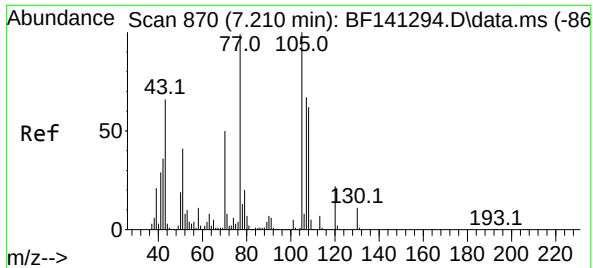
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#18
Hexachloroethane
Concen: 38.563 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:117 Resp: 164414
Ion Ratio Lower Upper
117 100
119 95.8 76.6 114.8
201 95.8 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 40.008 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion: 70 Resp: 294390

Ion Ratio Lower Upper

70 100

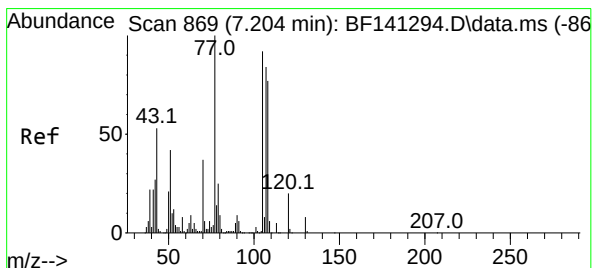
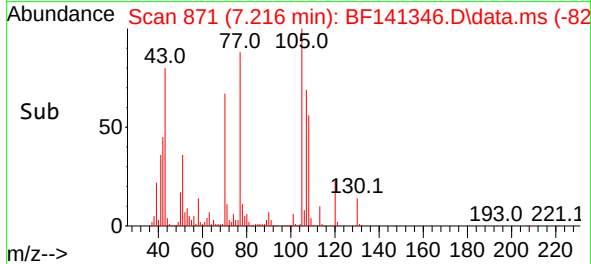
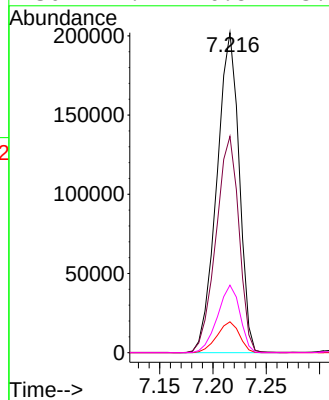
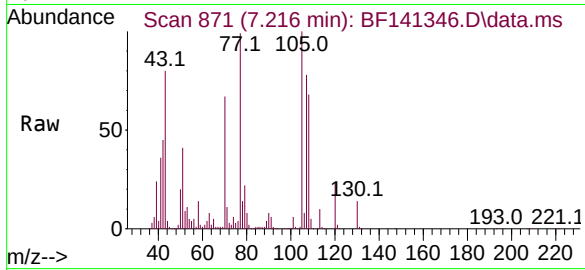
42 67.6 56.8 85.2

101 9.7 7.7 11.5

130 21.1 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#20

3+4-Methylphenols

Concen: 41.340 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Tgt Ion:107 Resp: 430429

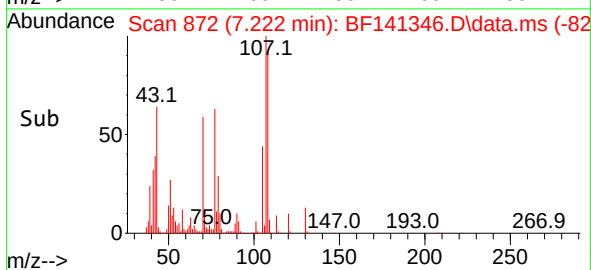
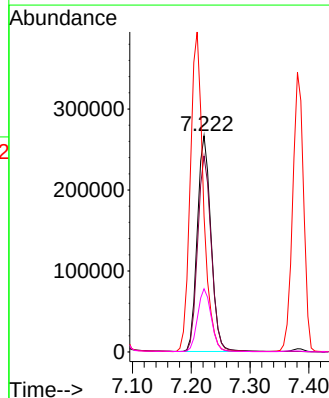
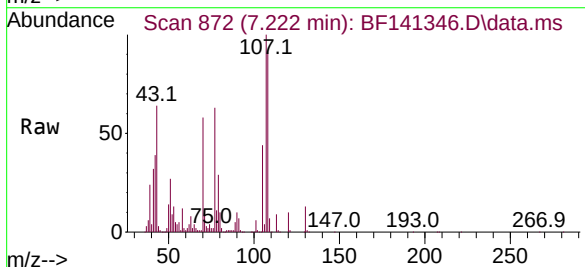
Ion Ratio Lower Upper

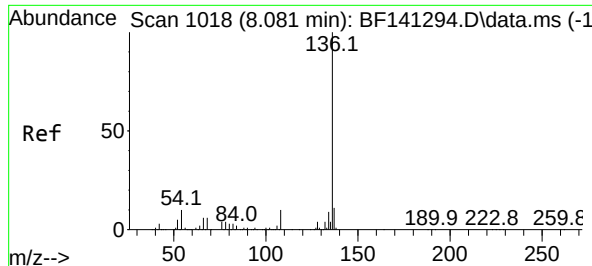
107 100

108 90.7 70.9 110.9

77 62.9 98.5 138.5#

79 29.3 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:136 Resp: 58779

Ion Ratio Lower Upper

136 100

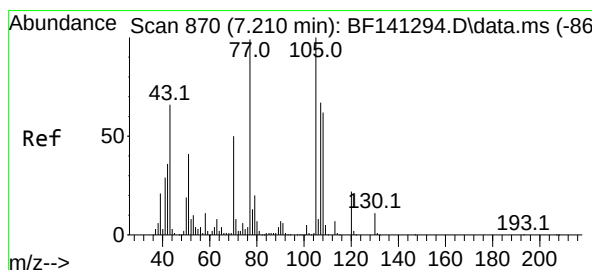
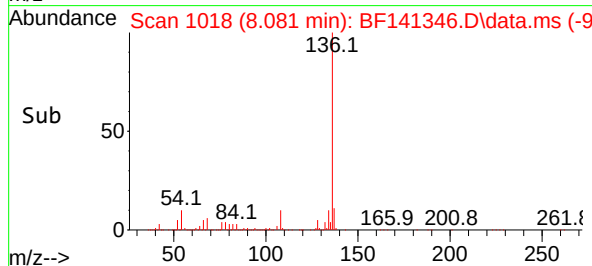
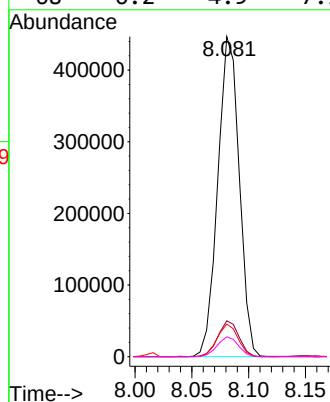
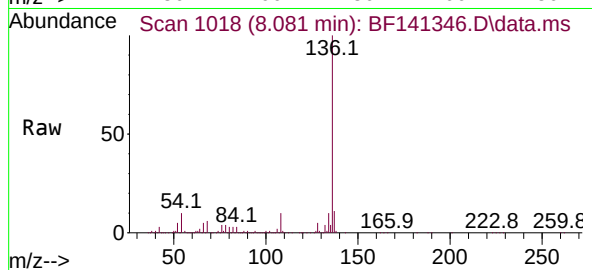
137 11.2 8.6 13.0

54 10.2 7.8 11.8

68 6.2 4.9 7.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#22

Acetophenone

Concen: 44.754 ng

RT: 7.210 min Scan# 870

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Tgt Ion:105 Resp: 625290

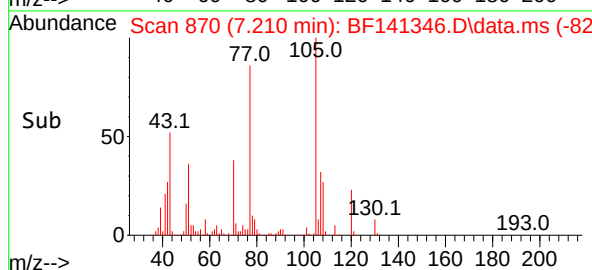
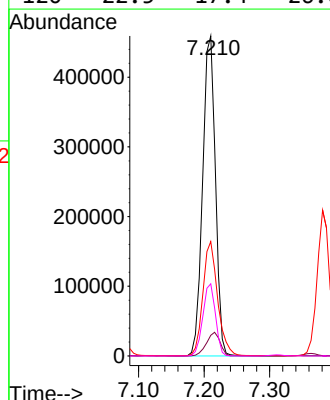
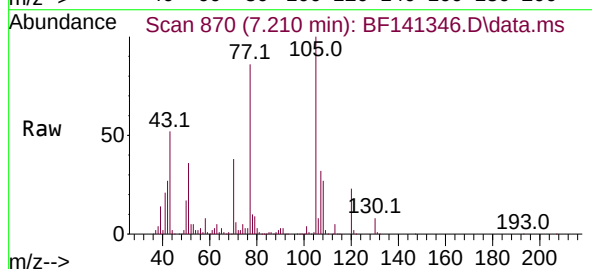
Ion Ratio Lower Upper

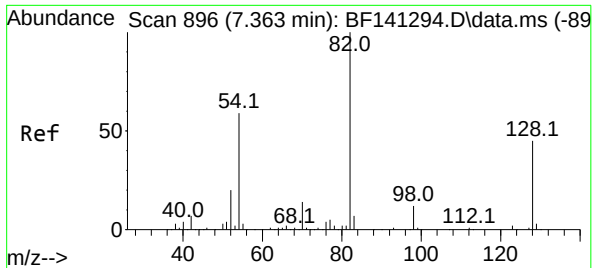
105 100

71 6.4 6.8 10.2#

51 35.8 32.6 49.0

120 22.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 57.914 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion: 82 Resp: 64575

Ion Ratio Lower Upper

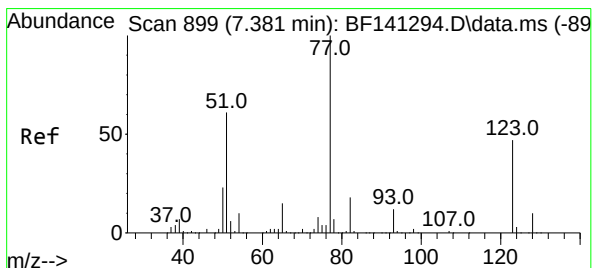
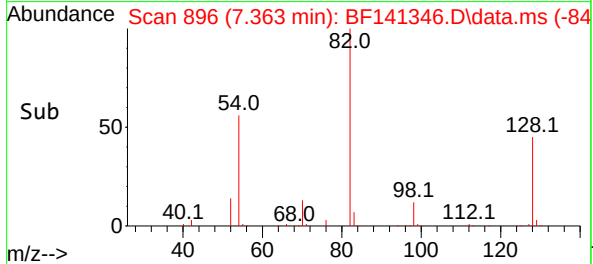
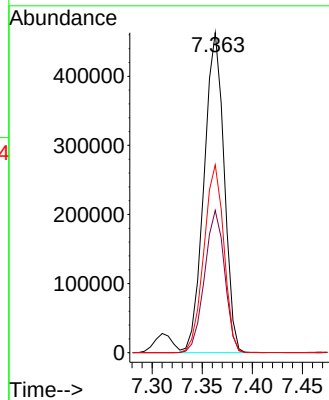
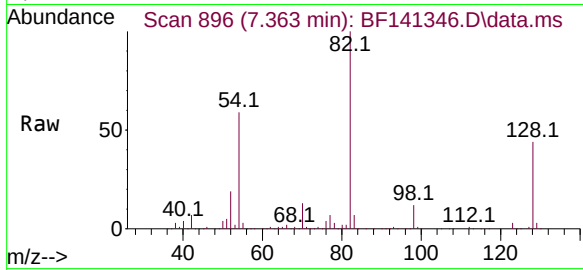
82 100

128 44.4 35.7 53.5

54 58.7 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#24

Nitrobenzene

Concen: 38.450 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

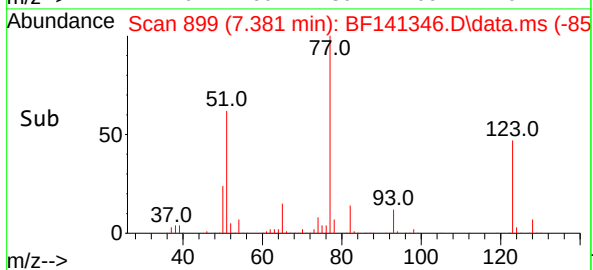
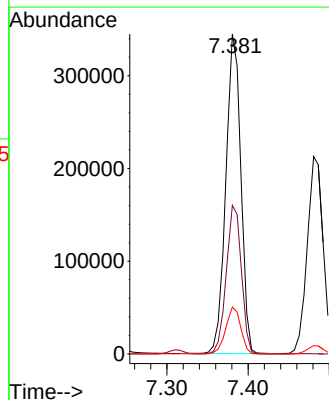
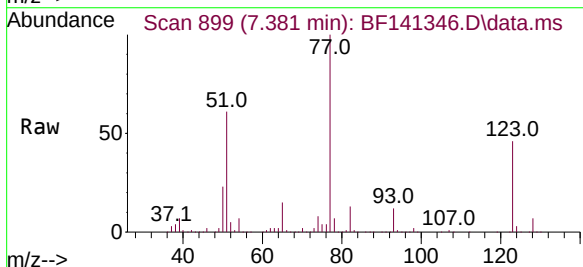
Tgt Ion: 77 Resp: 444284

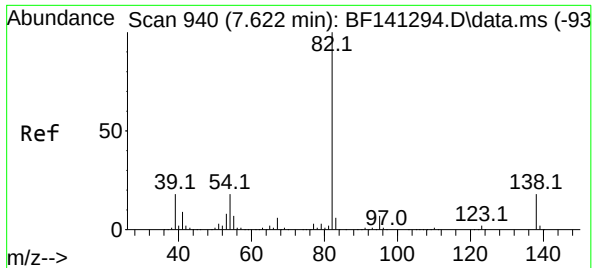
Ion Ratio Lower Upper

77 100

123 46.5 37.3 55.9

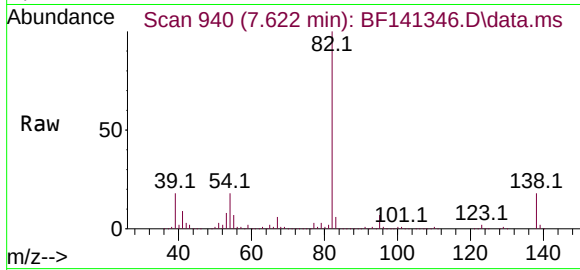
65 14.7 11.8 17.6





#25
Isophorone
Concen: 40.721 ng
RT: 7.622 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

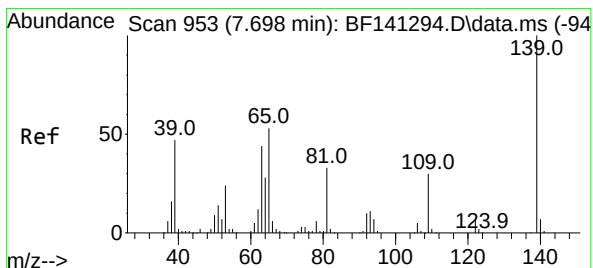
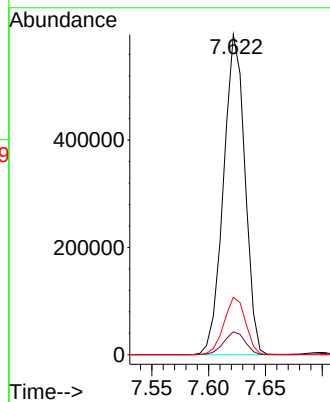
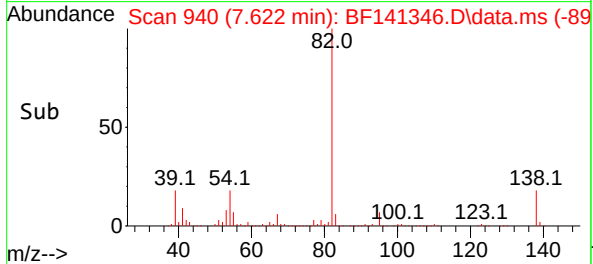
Instrument :
BNA_F
ClientSampleId :
357MSD



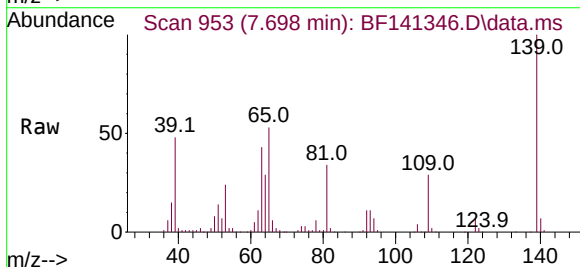
Tgt Ion: 82 Resp: 78485
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.6
138 18.0 14.7 22.1

Manual Integrations
APPROVED

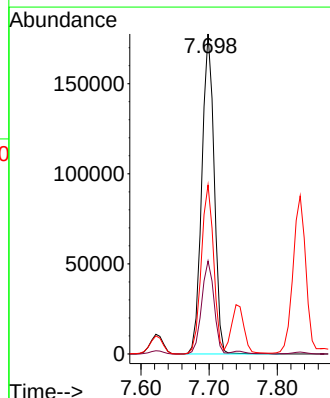
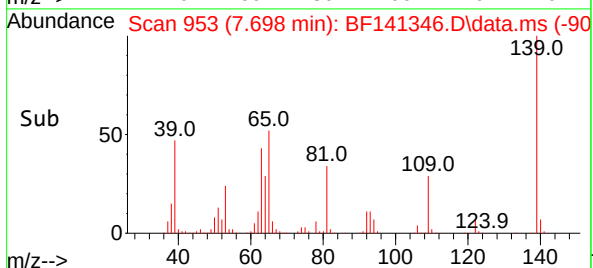
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

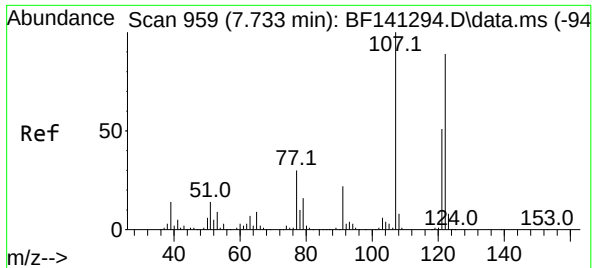


#26
2-Nitrophenol
Concen: 41.071 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



Tgt Ion:139 Resp: 223815
Ion Ratio Lower Upper
139 100
109 29.1 23.8 35.6
65 52.8 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 51.162 ng m

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF141346.D

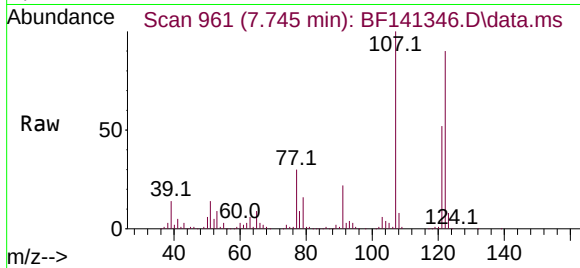
Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD



Tgt Ion:122 Resp: 354874

Ion Ratio Lower Upper

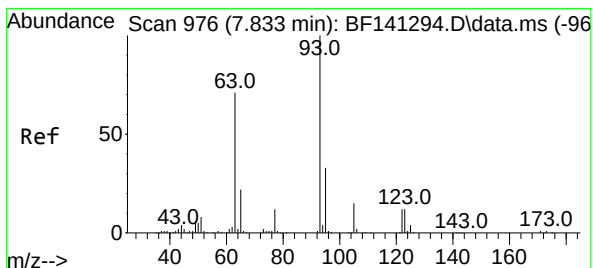
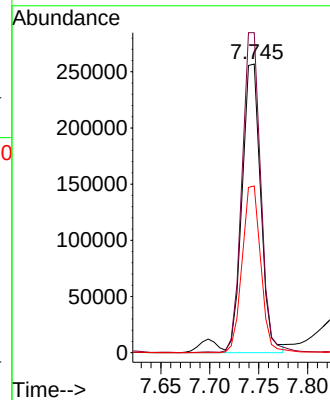
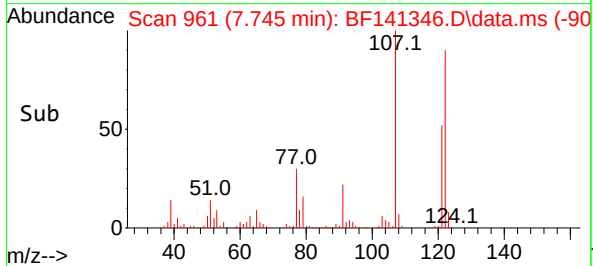
122 100

107 110.9 89.9 134.9

121 57.8 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#28

bis(2-Chloroethoxy)methane

Concen: 40.208 ng

RT: 7.834 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

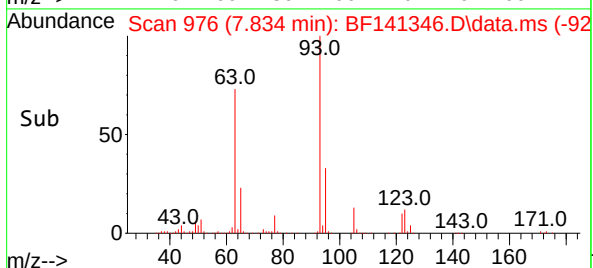
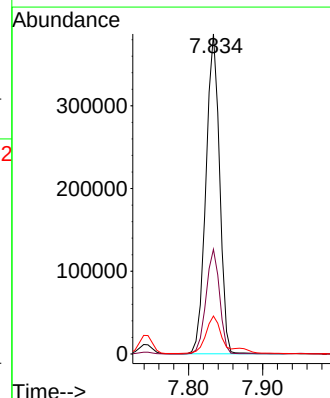
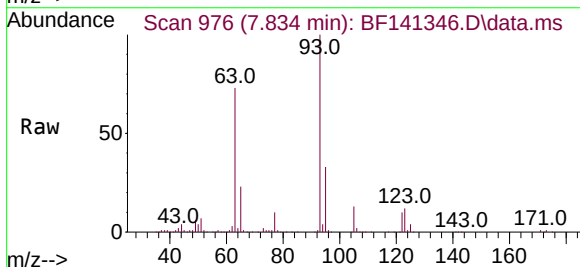
Tgt Ion: 93 Resp: 494323

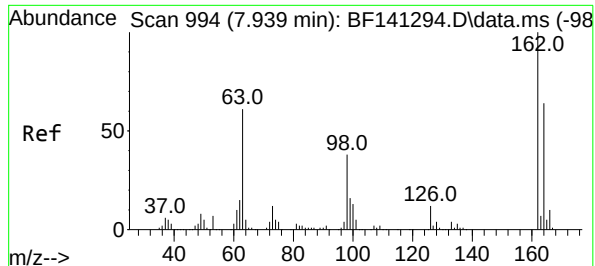
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.2

123 11.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 40.495 ng

RT: 7.951 min Scan# 994

Delta R.T. 0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:162 Resp: 34387

Ion Ratio Lower Upper

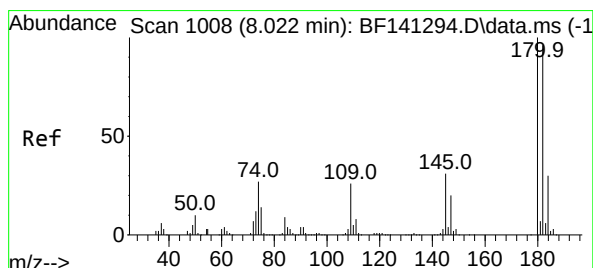
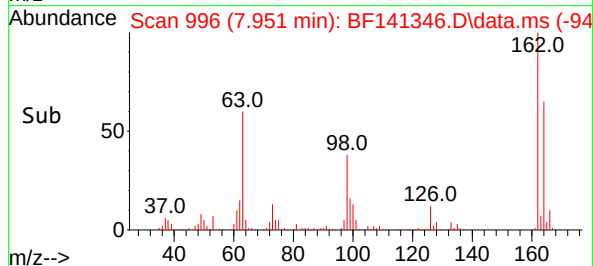
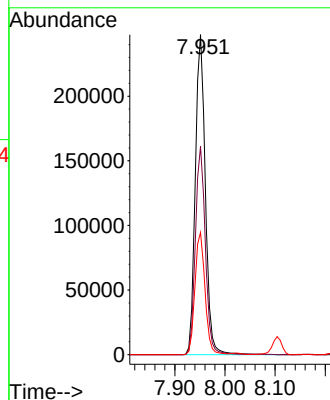
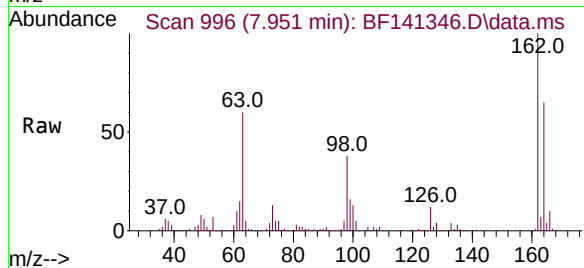
162 100

164 65.1 44.2 84.2

98 38.2 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#30

1,2,4-Trichlorobenzene

Concen: 37.101 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

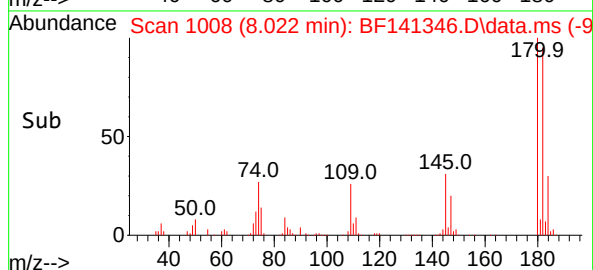
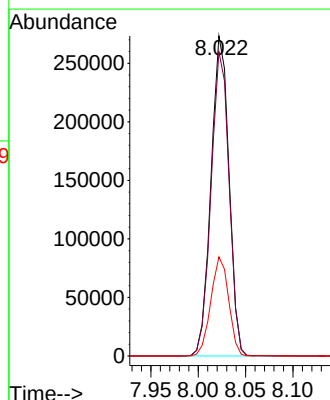
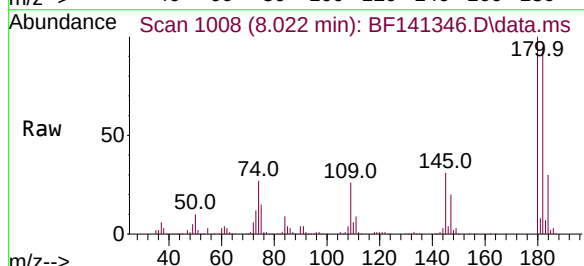
Tgt Ion:180 Resp: 359792

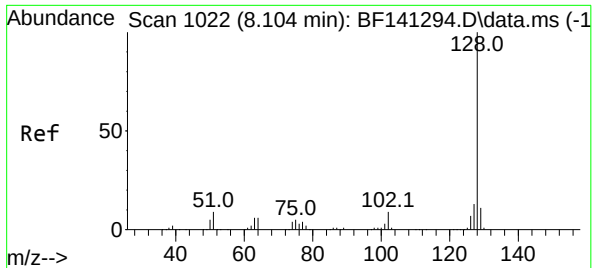
Ion Ratio Lower Upper

180 100

182 95.1 76.4 114.6

145 31.0 24.9 37.3





#31

Naphthalene

Concen: 38.011 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:128 Resp: 118029

Ion Ratio Lower Upper

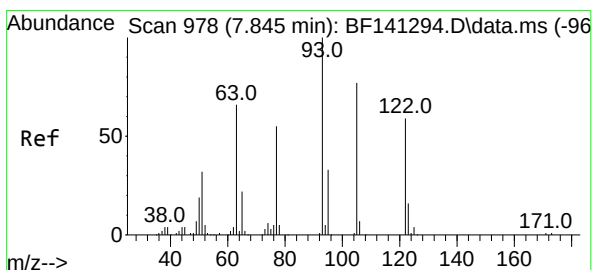
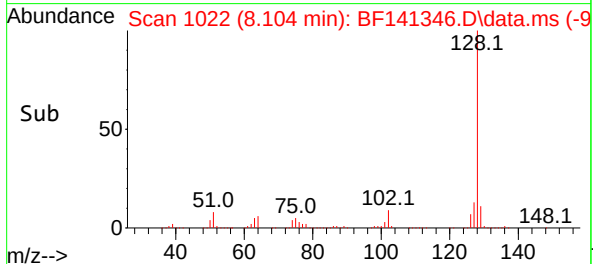
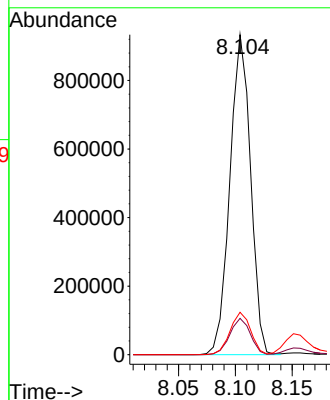
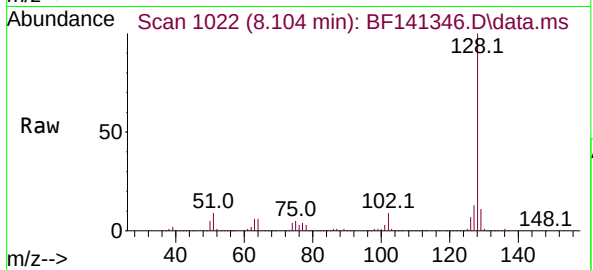
128 100

129 11.3 8.9 13.3

127 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#32

Benzoic acid

Concen: 44.012 ng

RT: 7.869 min Scan# 982

Delta R.T. -0.012 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

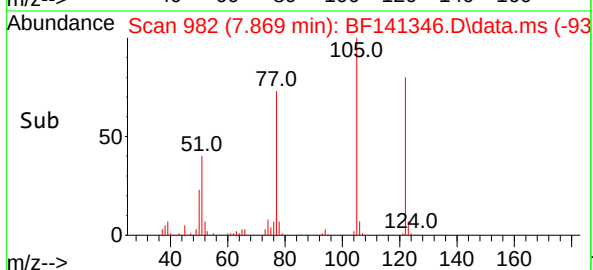
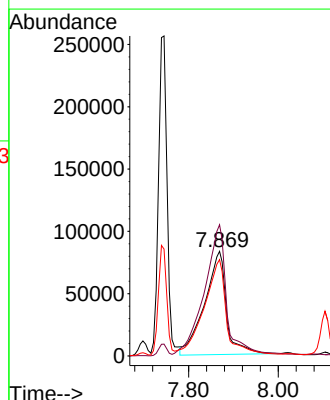
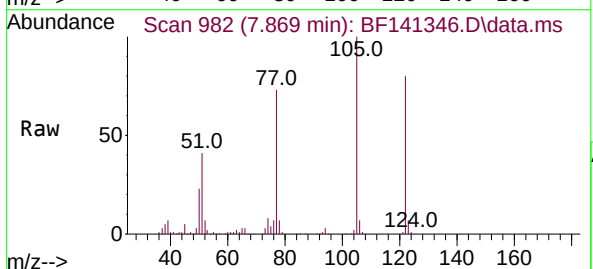
Tgt Ion:122 Resp: 280637

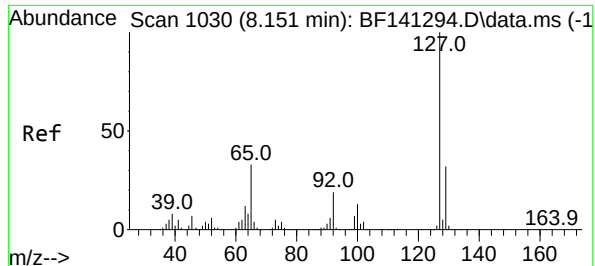
Ion Ratio Lower Upper

122 100

105 125.5 103.4 143.4

77 92.1 70.9 110.9





#33

4-Chloroaniline

Concen: 10.129 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:127 Resp: 10665

Ion Ratio Lower Upper

127 100

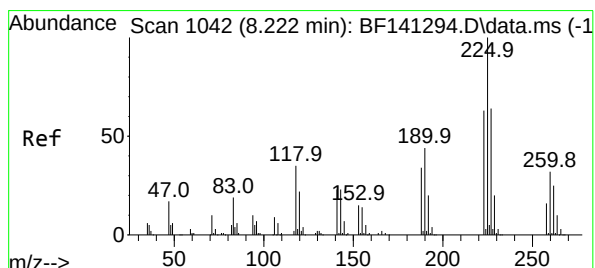
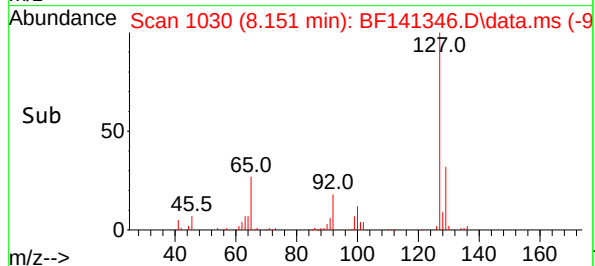
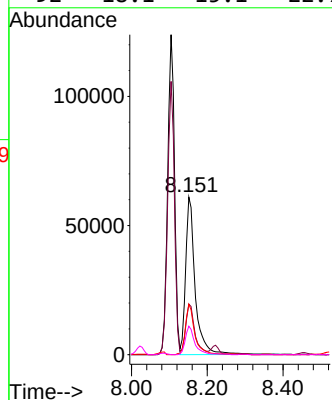
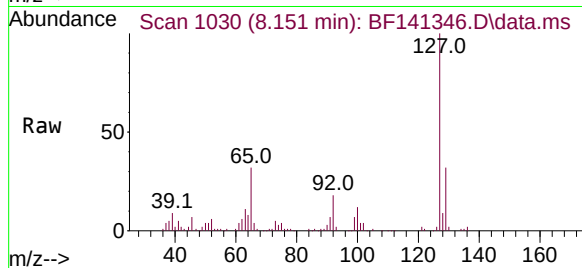
129 32.1 25.7 38.5

65 32.0 26.4 39.6

92 18.1 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#34

Hexachlorobutadiene

Concen: 37.815 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

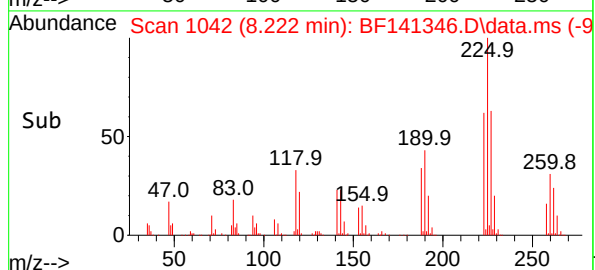
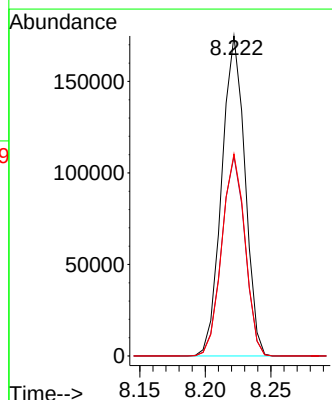
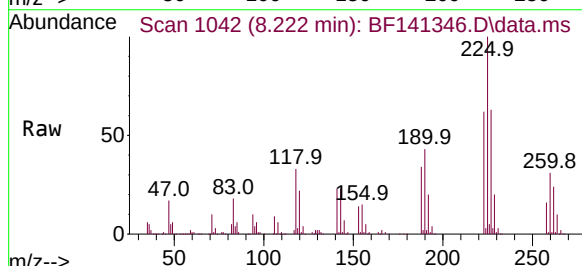
Tgt Ion:225 Resp: 215053

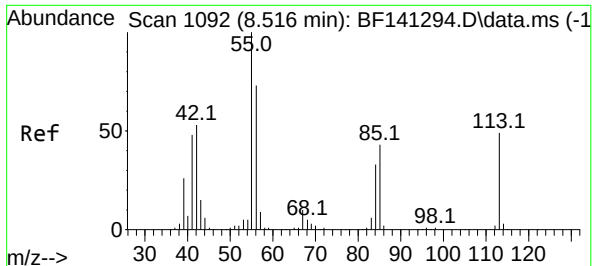
Ion Ratio Lower Upper

225 100

223 62.4 50.4 75.6

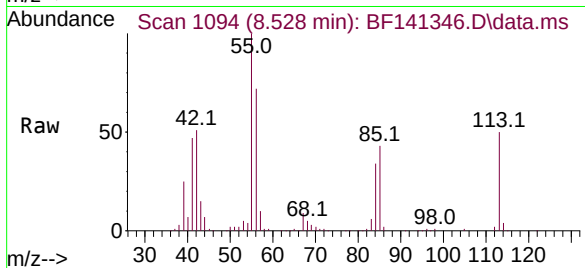
227 63.1 51.3 76.9





#35
Caprolactam
Concen: 45.082 ng m
RT: 8.528 min Scan# 1109
Delta R.T. -0.018 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

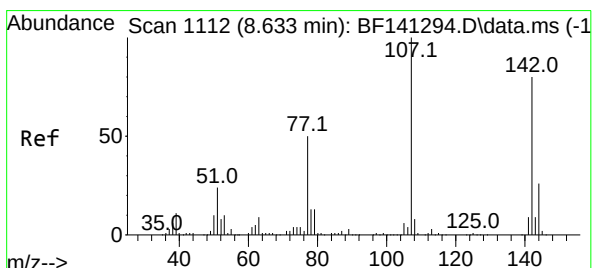
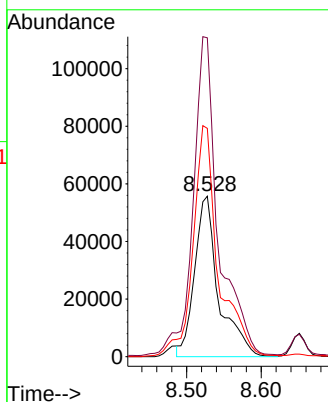
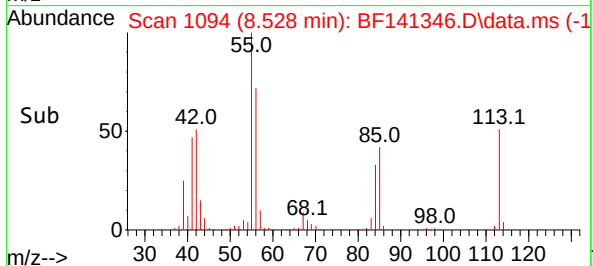
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:113 Resp: 12502
Ion Ratio Lower Upper
113 100
55 198.6 182.9 222.9
56 142.2 127.9 167.9

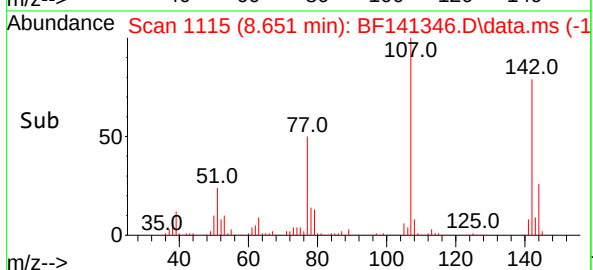
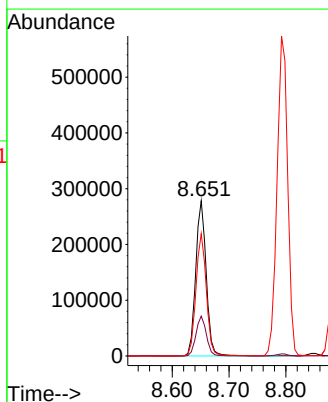
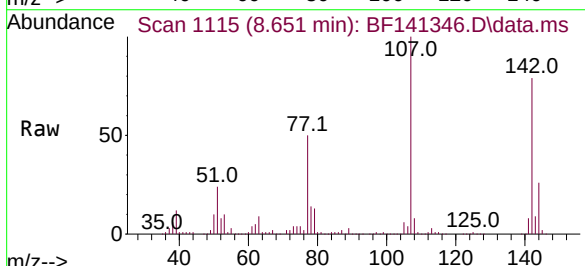
Manual Integrations
APPROVED

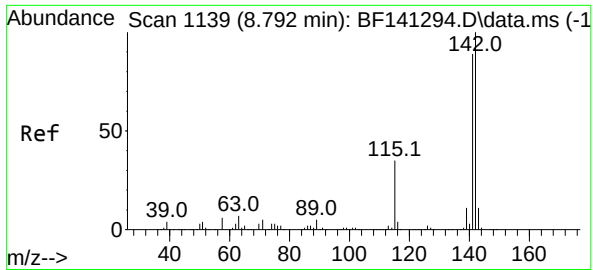
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#36
4-Chloro-3-methylphenol
Concen: 39.371 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.012 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

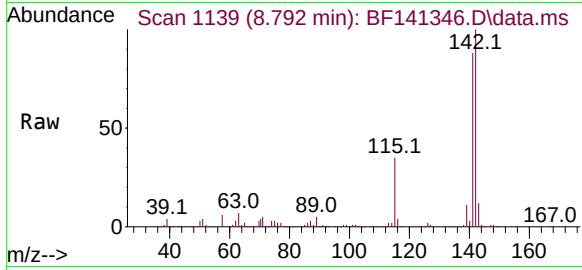
Tgt Ion:107 Resp: 358605
Ion Ratio Lower Upper
107 100
144 25.6 20.7 31.1
142 78.7 63.8 95.8





#37
2-Methylnaphthalene
Concen: 37.767 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

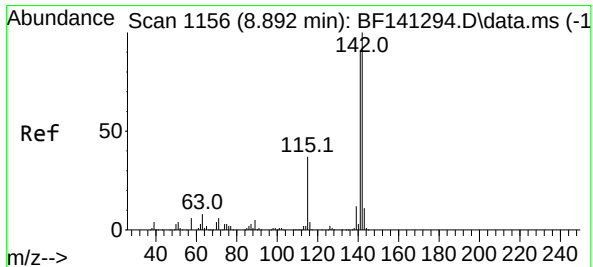
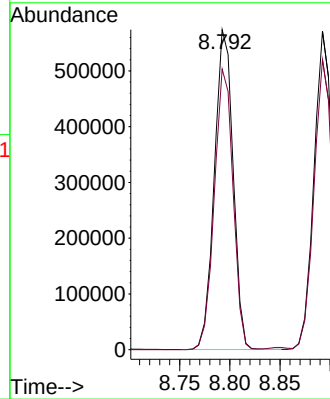
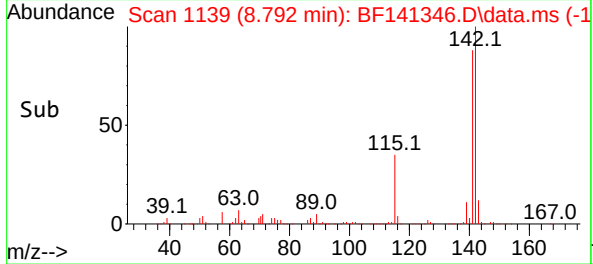
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:142 Resp: 745370
Ion Ratio Lower Upper
142 100
141 87.7 71.3 106.9

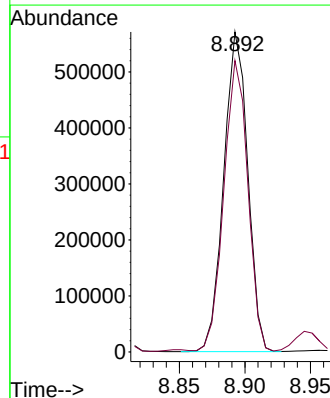
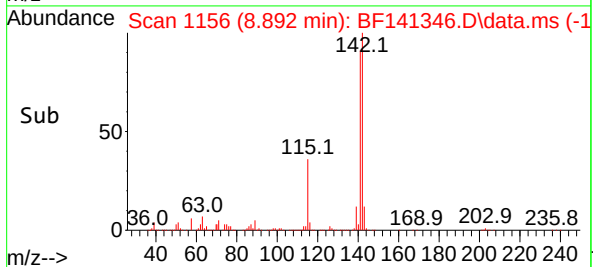
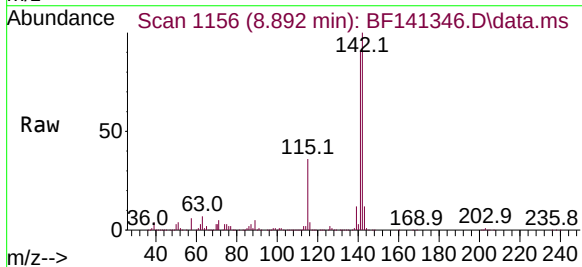
Manual Integrations
APPROVED

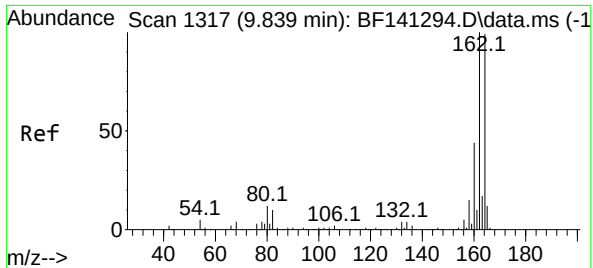
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#38
1-Methylnaphthalene
Concen: 37.401 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:142 Resp: 725077
Ion Ratio Lower Upper
142 100
141 91.1 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BF141346.D

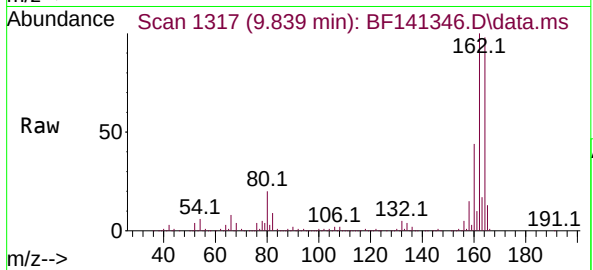
Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD



Tgt Ion:164 Resp: 30914

Ion Ratio Lower Upper

164 100

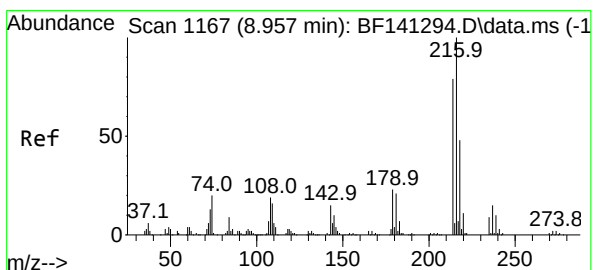
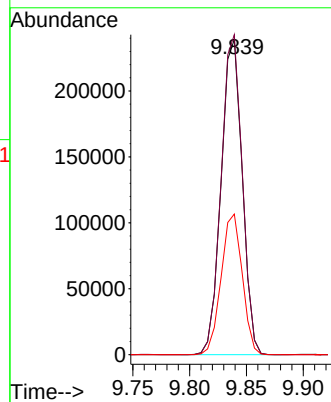
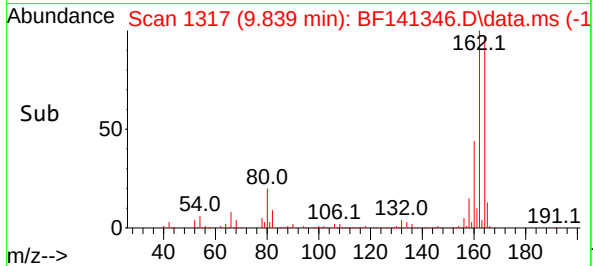
162 101.5 80.6 121.0

160 44.6 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#40

1,2,4,5-Tetrachlorobenzene

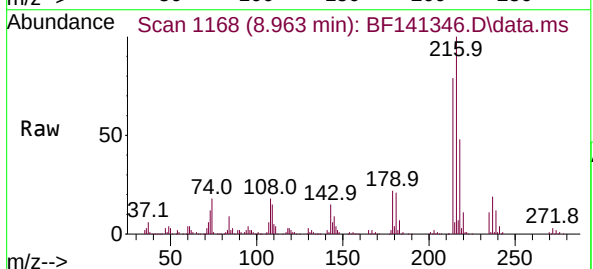
Concen: 43.126 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50



Tgt Ion:216 Resp: 379280

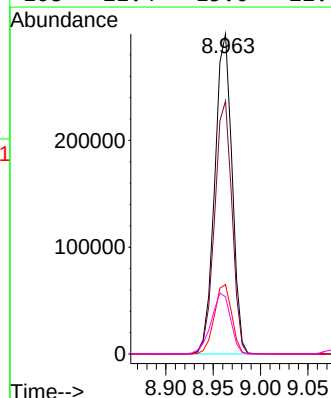
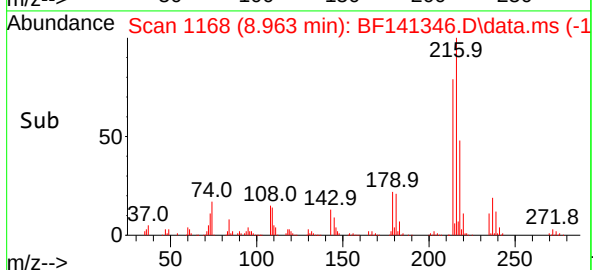
Ion Ratio Lower Upper

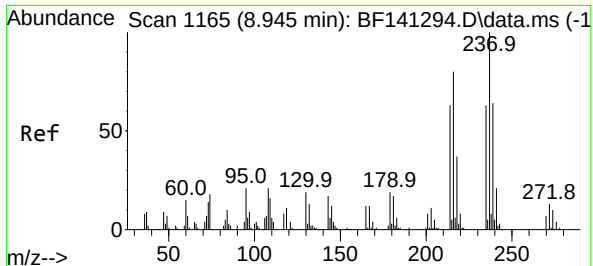
216 100

214 79.5 63.2 94.8

179 21.9 17.8 26.8

108 21.4 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 143.327 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:237 Resp: 372270

Ion Ratio Lower Upper

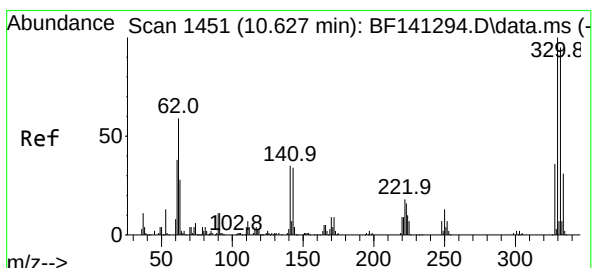
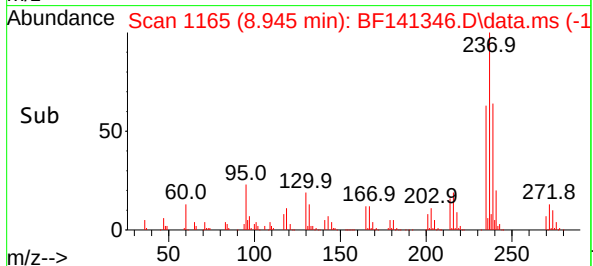
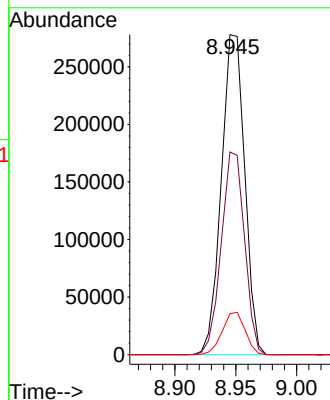
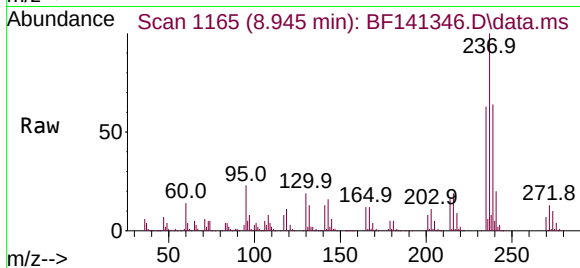
237 100

235 63.3 42.9 82.9

272 12.8 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#42

2,4,6-Tribromophenol

Concen: 84.089 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

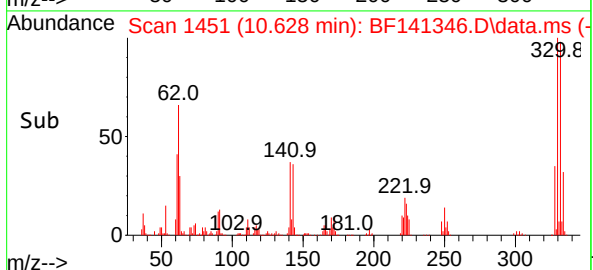
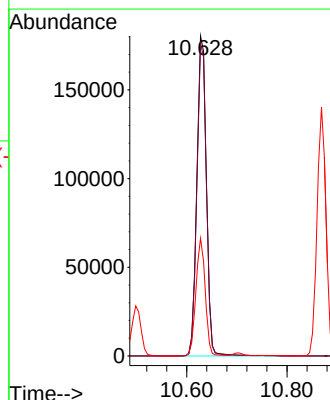
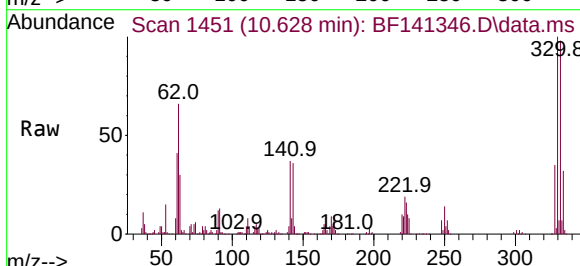
Tgt Ion:330 Resp: 238319

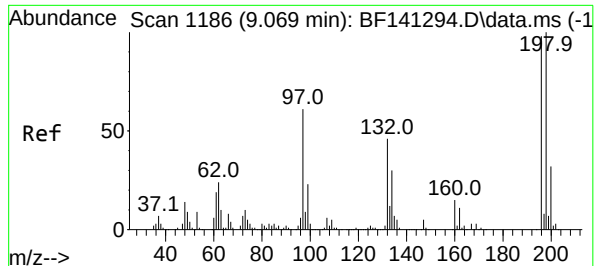
Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

141 35.9 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 40.951 ng

RT: 9.075 min Scan# 1186

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:196 Resp: 235734

Ion Ratio Lower Upper

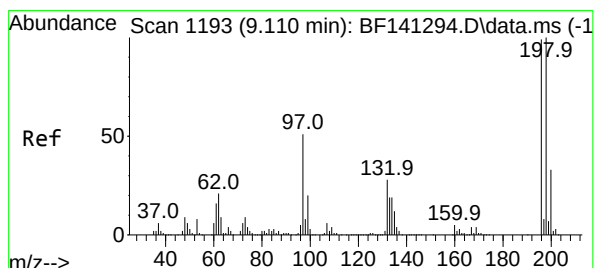
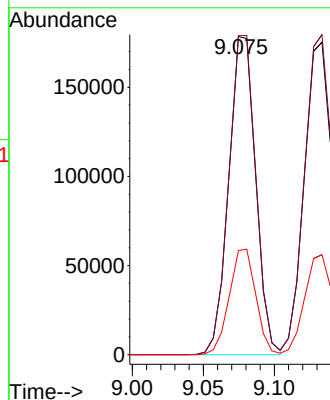
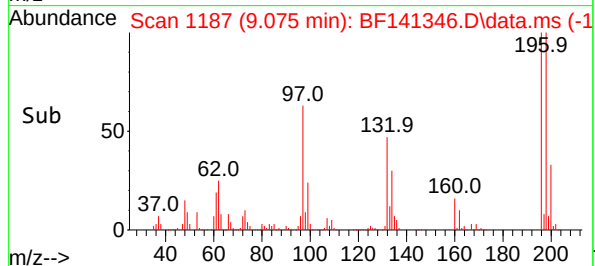
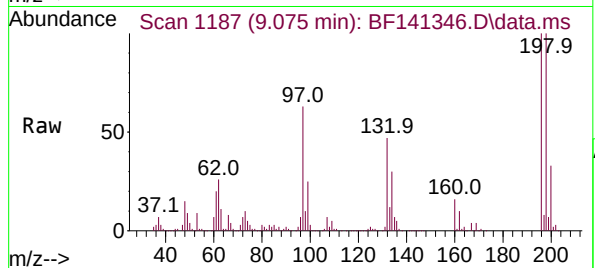
196 100

198 100.3 81.8 122.6

200 32.8 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#44

2,4,5-Trichlorophenol

Concen: 40.115 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Tgt Ion:196 Resp: 251331

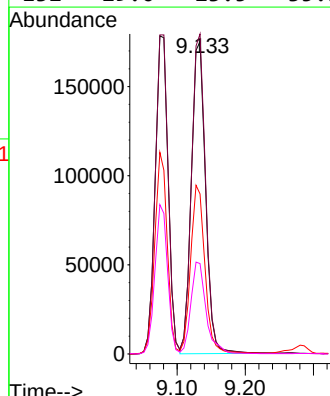
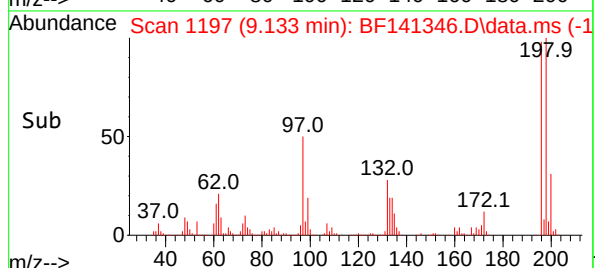
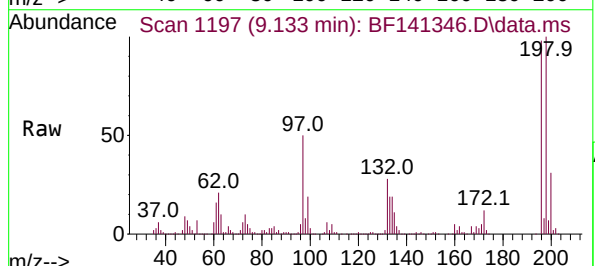
Ion Ratio Lower Upper

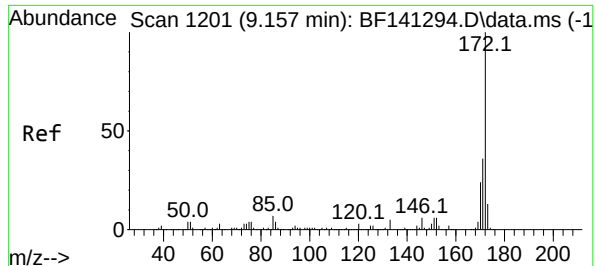
196 100

198 102.4 80.5 120.7

97 51.2 42.8 64.2

132 29.0 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 55.463 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:172 Resp: 1113958

Ion Ratio Lower Upper

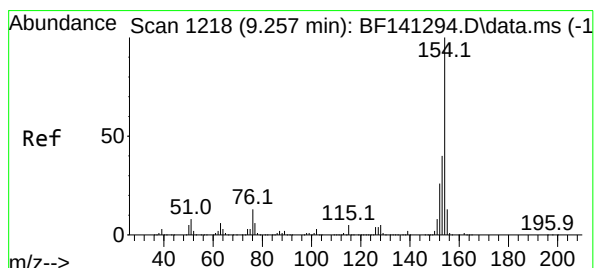
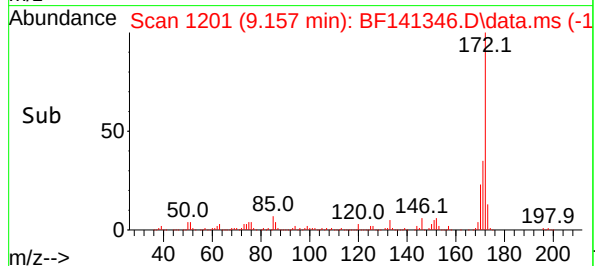
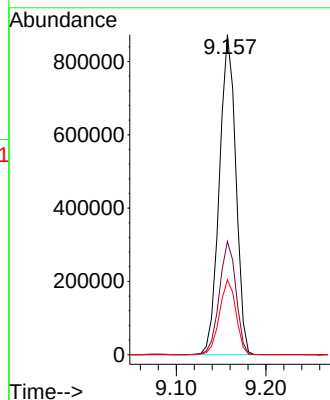
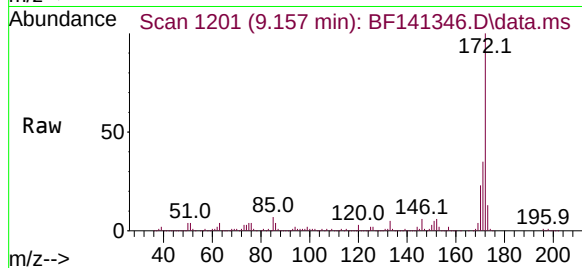
172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#46

1,1'-Biphenyl

Concen: 43.804 ng

RT: 9.257 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

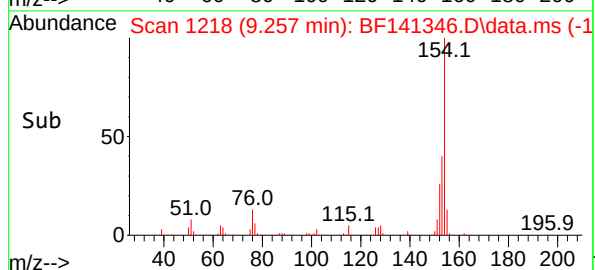
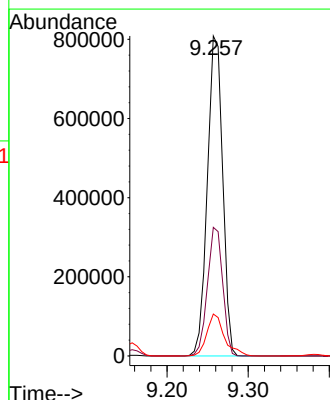
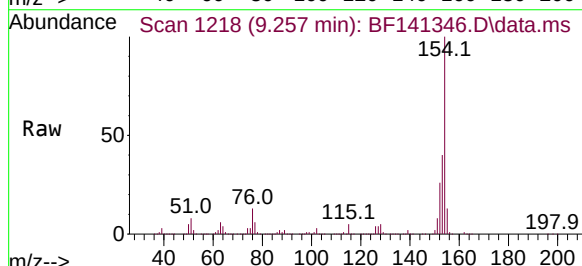
Tgt Ion:154 Resp: 1056092

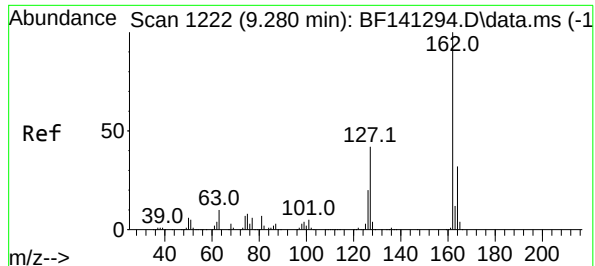
Ion Ratio Lower Upper

154 100

153 40.2 20.0 60.0

76 13.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 38.085 ng

RT: 9.281 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:162 Resp: 715690

Ion Ratio Lower Upper

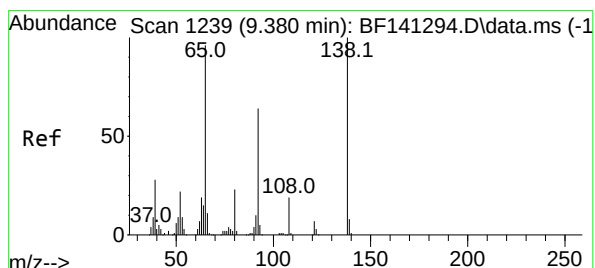
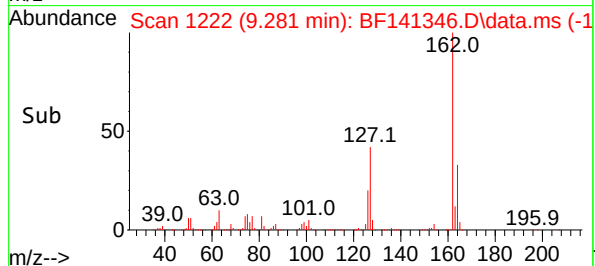
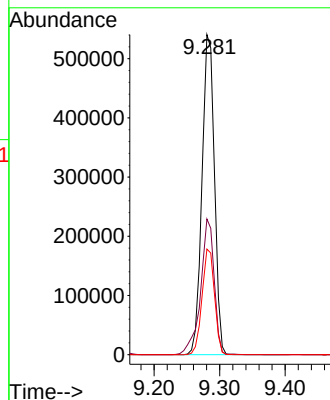
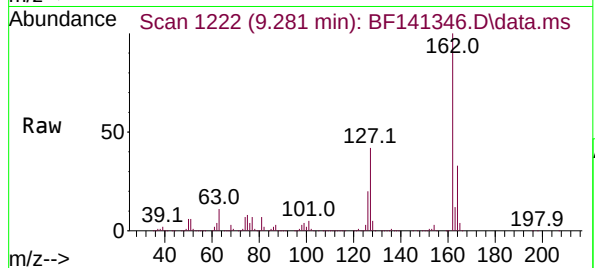
162 100

127 42.4 33.7 50.5

164 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#48

2-Nitroaniline

Concen: 40.485 ng

RT: 9.381 min Scan# 1239

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

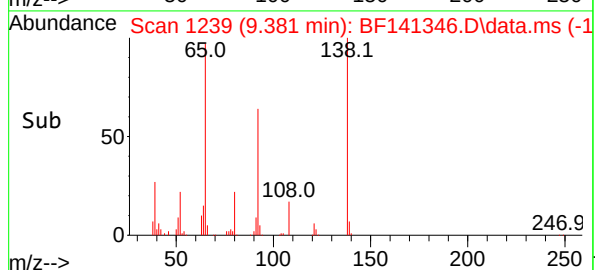
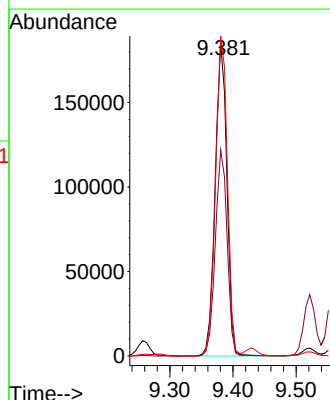
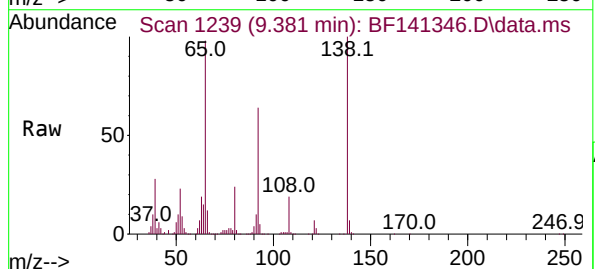
Tgt Ion: 65 Resp: 239299

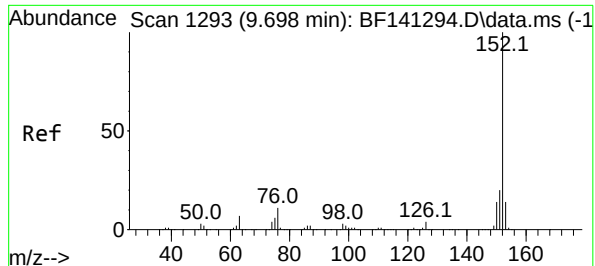
Ion Ratio Lower Upper

65 100

92 65.9 53.3 79.9

138 102.4 83.6 125.4





#49

Acenaphthylene

Concen: 42.034 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

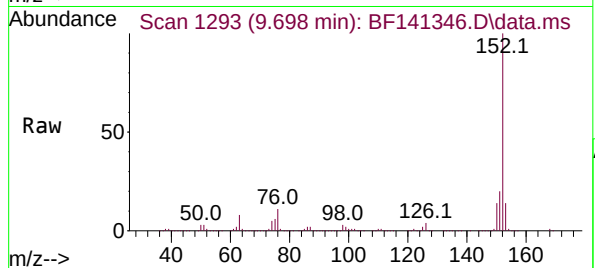
Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD



Tgt Ion:152 Resp: 110572

Ion Ratio Lower Upper

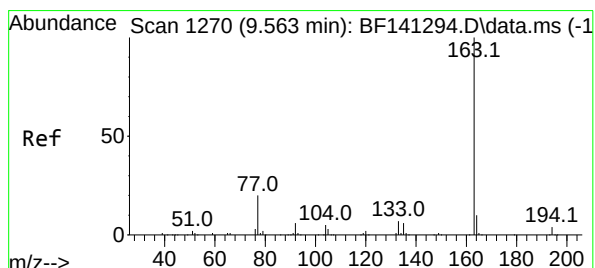
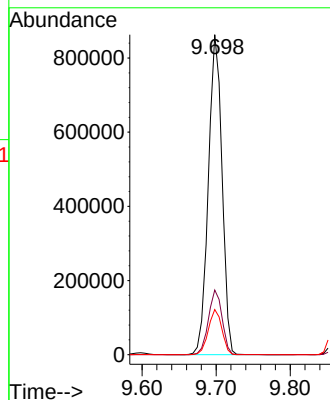
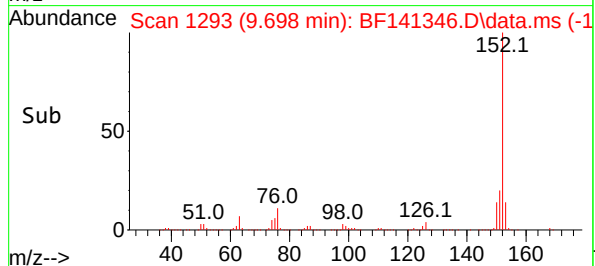
152 100

151 20.2 16.2 24.2

153 14.1 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#50

Dimethylphthalate

Concen: 40.945 ng

RT: 9.563 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

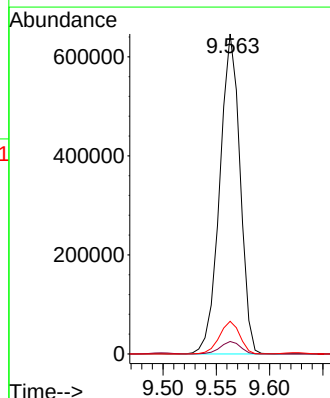
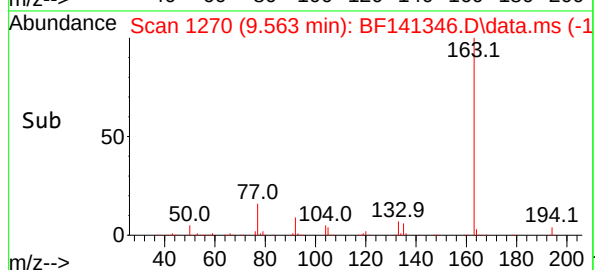
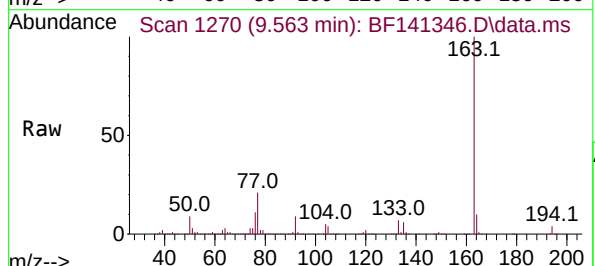
Tgt Ion:163 Resp: 854897

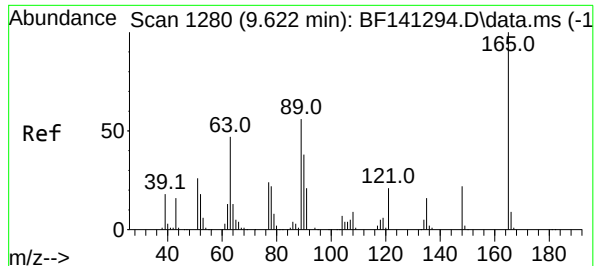
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

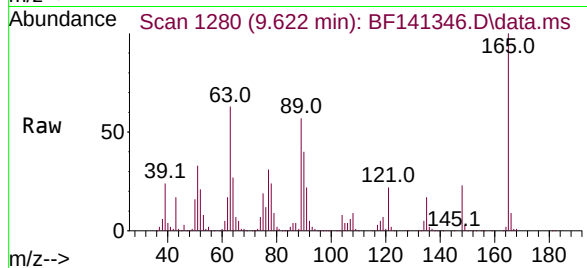
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 38.561 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

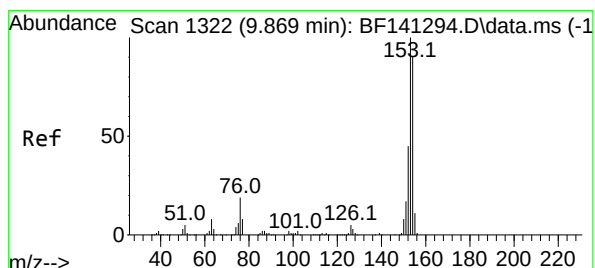
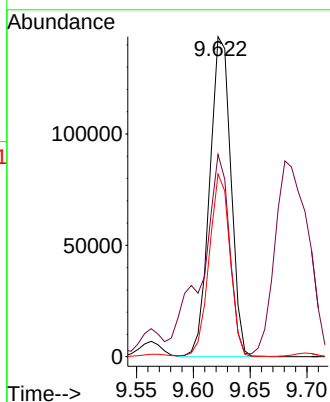
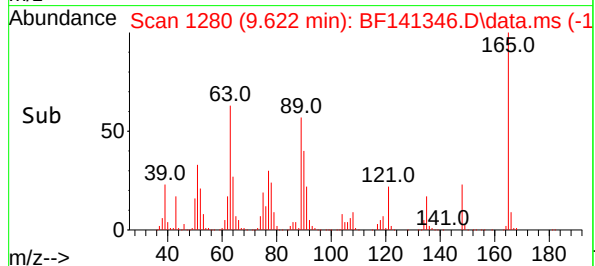
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:165 Resp: 18694
Ion Ratio Lower Upper
165 100
63 63.2 48.1 72.1
89 57.1 44.9 67.3

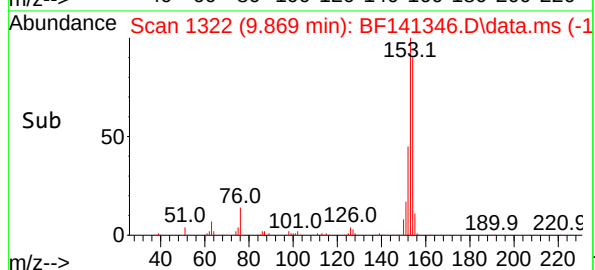
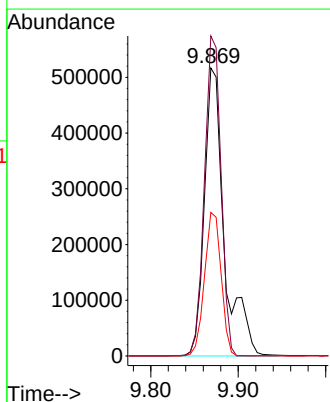
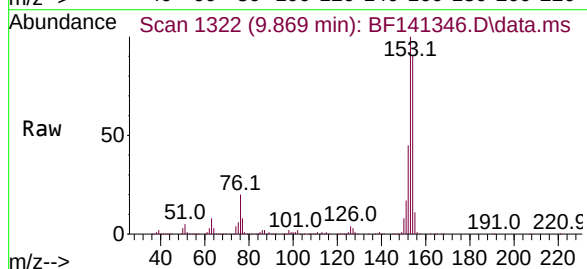
Manual Integrations
APPROVED

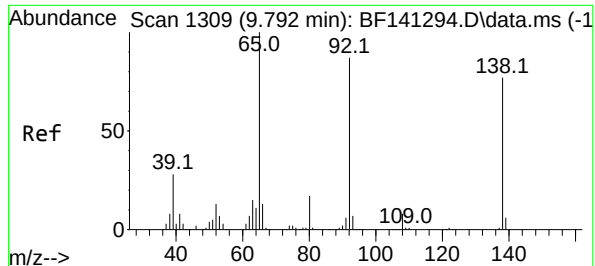
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#52
Acenaphthene
Concen: 43.647 ng m
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:154 Resp: 820232
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 49.8 40.2 60.4





#53

3-Nitroaniline

Concen: 23.491 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:138 Resp: 111619

Ion Ratio Lower Upper

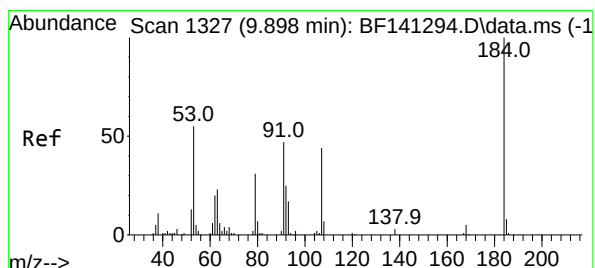
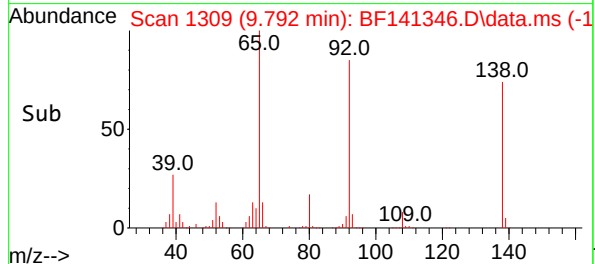
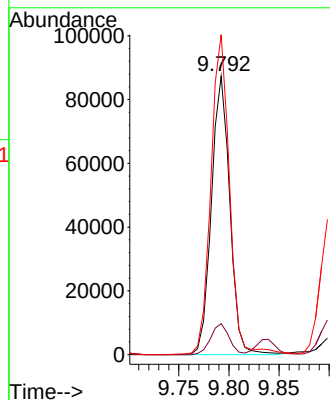
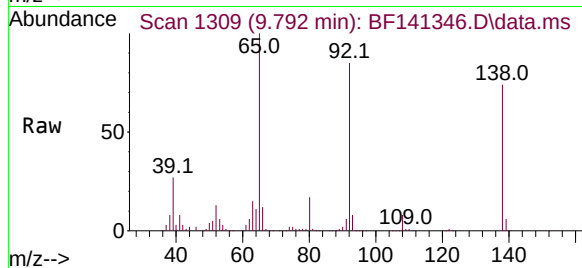
138 100

108 11.1 8.6 12.8

92 115.0 91.0 136.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#54

2,4-Dinitrophenol

Concen: 99.384 ng

RT: 9.904 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

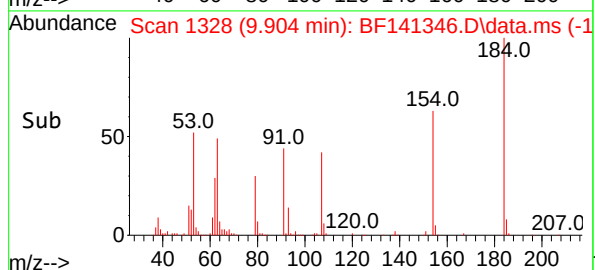
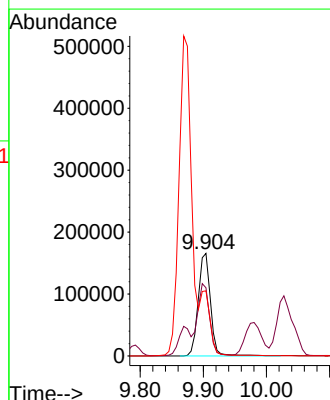
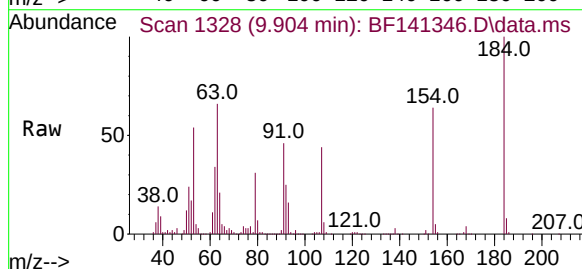
Tgt Ion:184 Resp: 223971

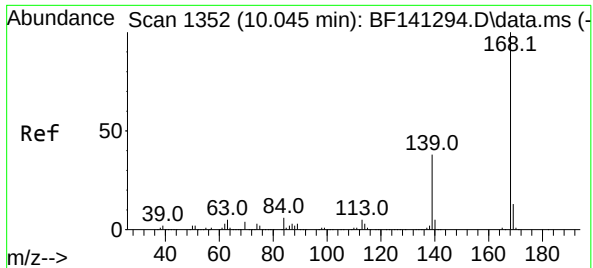
Ion Ratio Lower Upper

184 100

63 66.4 54.1 81.1

154 63.6 50.7 76.1





#55

Dibenzofuran

Concen: 38.954 ng

RT: 10.045 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:168 Resp: 979869

Ion Ratio Lower Upper

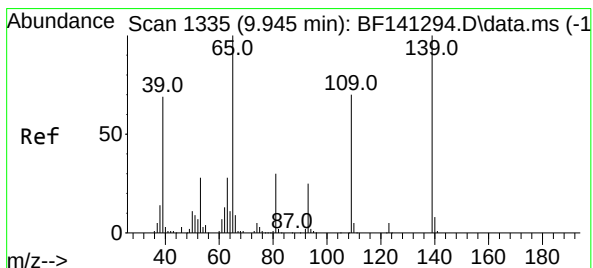
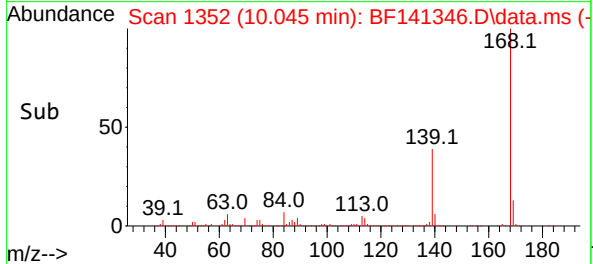
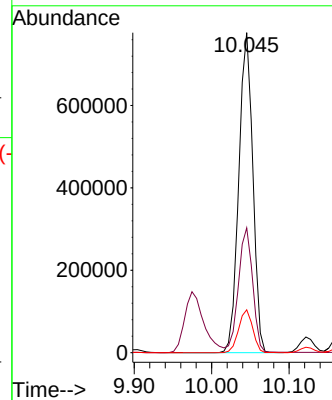
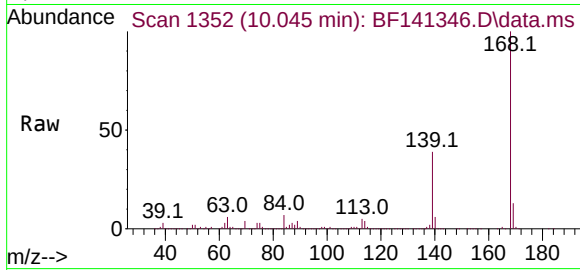
168 100

139 39.0 30.6 46.0

169 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#56

4-Nitrophenol

Concen: 73.413 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

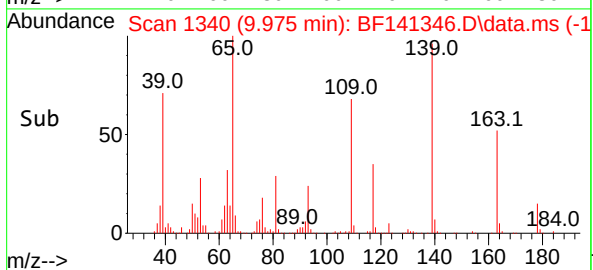
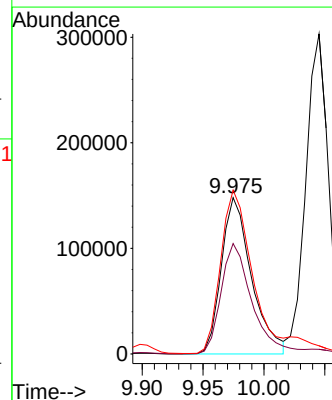
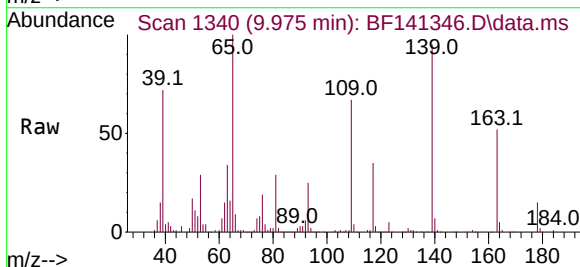
Tgt Ion:139 Resp: 255108

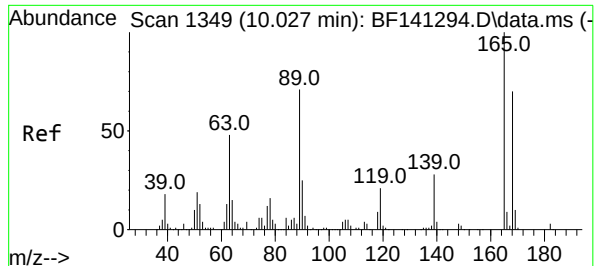
Ion Ratio Lower Upper

139 100

109 70.6 50.2 90.2

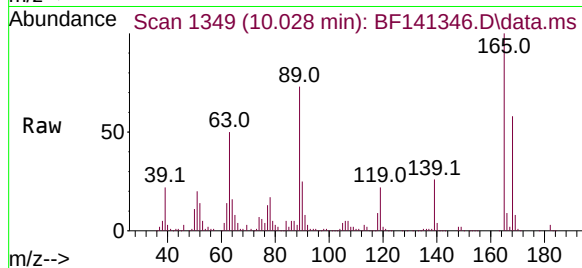
65 104.8 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 39.446 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

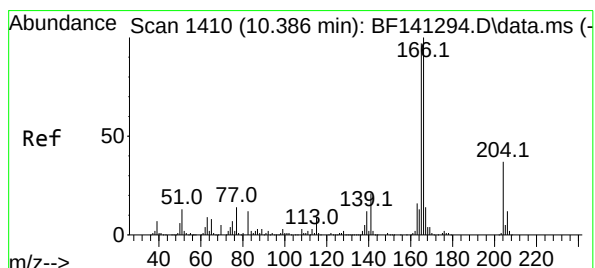
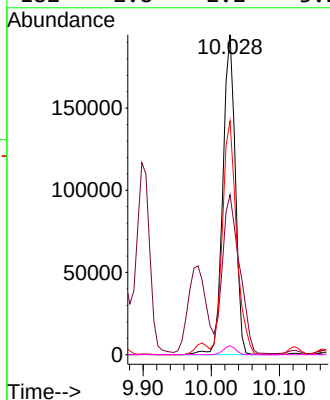
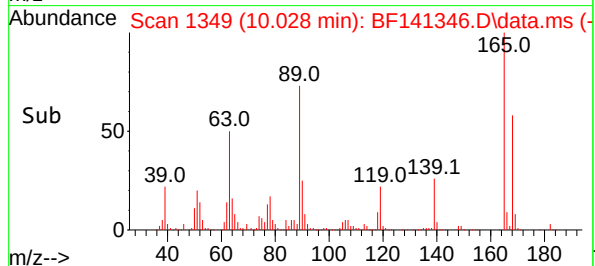
Instrument :
BNA_F
ClientSampleId :
357MSD



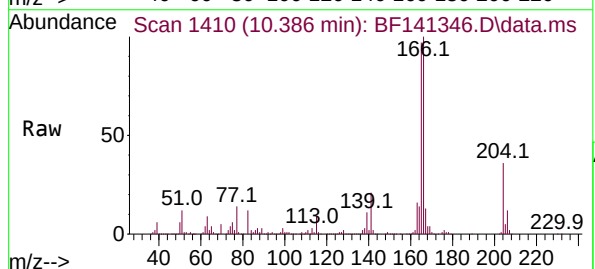
Tgt Ion:165 Resp: 247592
Ion Ratio Lower Upper
165 100
63 49.9 39.2 58.8
89 73.0 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations
APPROVED

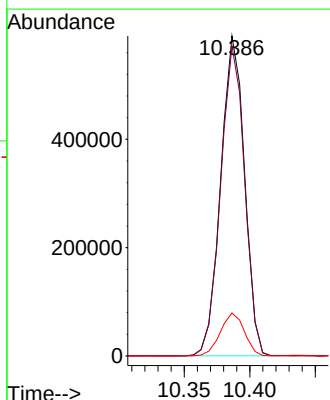
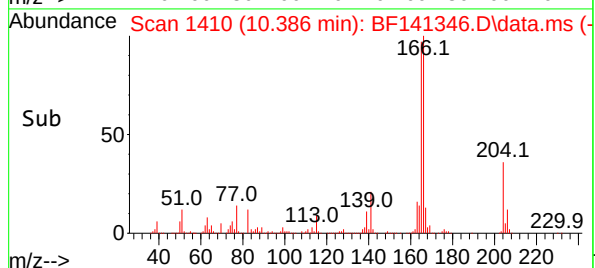
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

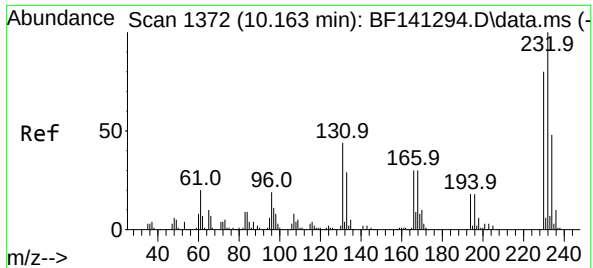


#58
Fluorene
Concen: 38.252 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



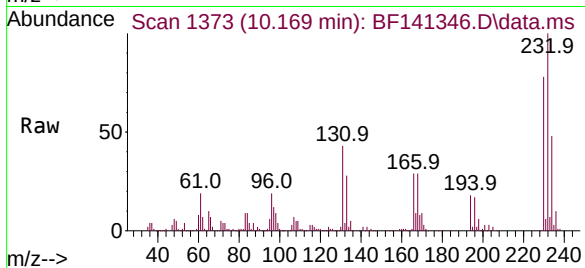
Tgt Ion:166 Resp: 746386
Ion Ratio Lower Upper
166 100
165 96.9 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.317 ng
RT: 10.169 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

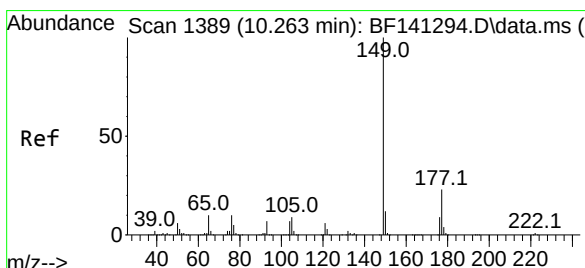
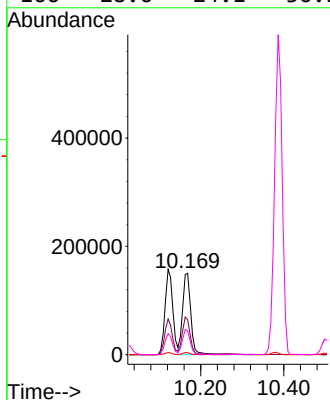
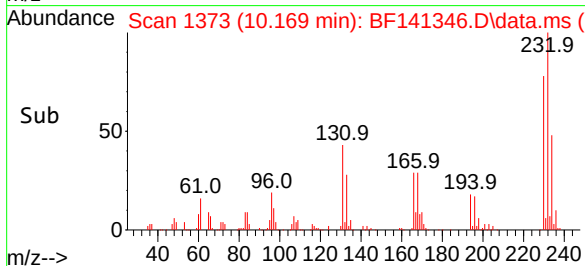
Instrument :
BNA_F
ClientSampleId :
357MSD



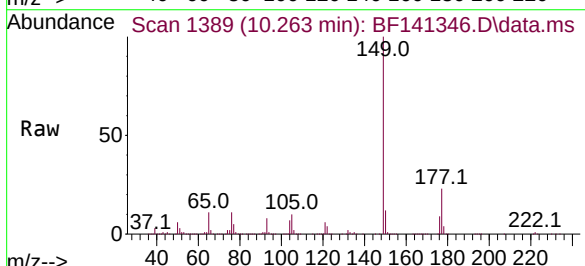
Tgt Ion:232 Resp: 208581
Ion Ratio Lower Upper
232 100
131 43.9 36.4 54.6
130 2.4 1.9 2.9
166 28.6 24.1 36.1

Manual Integrations
APPROVED

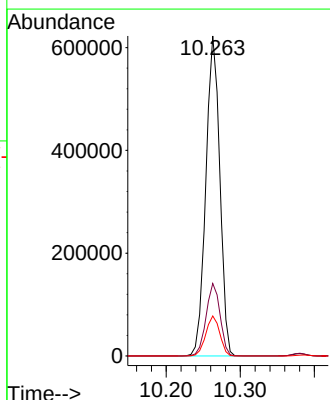
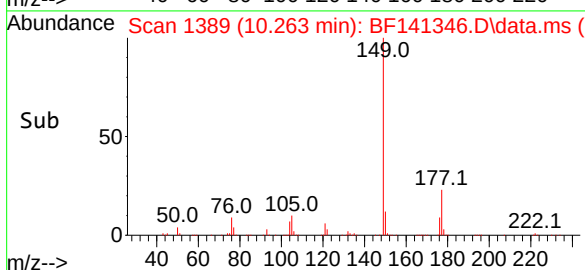
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

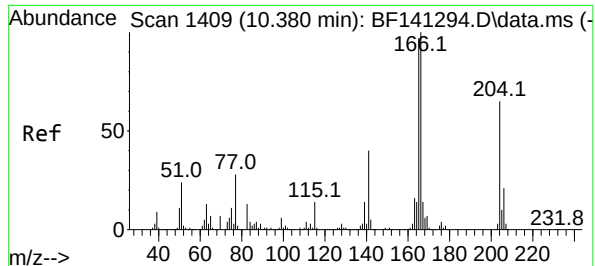


#60
Diethylphthalate
Concen: 40.244 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



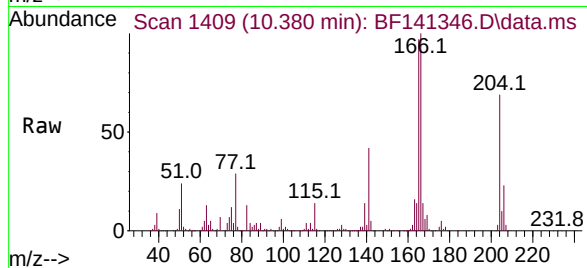
Tgt Ion:149 Resp: 814729
Ion Ratio Lower Upper
149 100
177 22.6 18.5 27.7
150 12.5 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 38.104 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

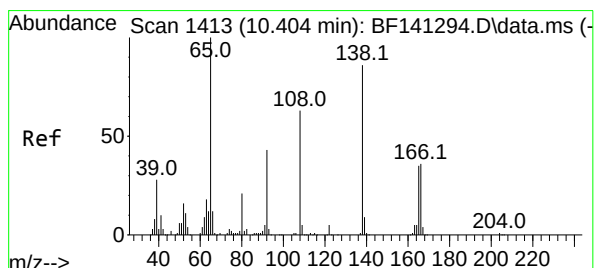
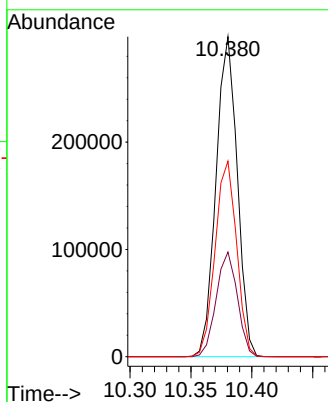
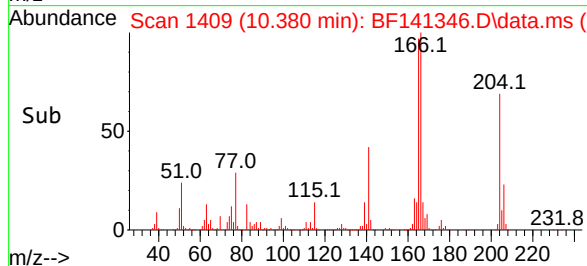
Instrument :
BNA_F
ClientSampleId :
357MSD



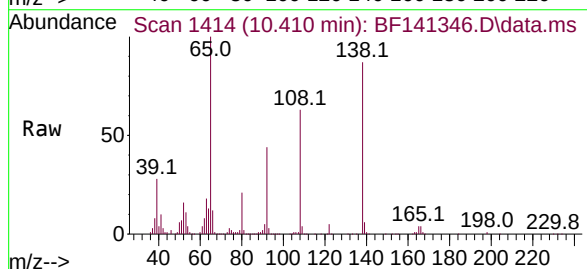
Tgt Ion:204 Resp: 363170
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 61.1 49.5 74.3

Manual Integrations
APPROVED

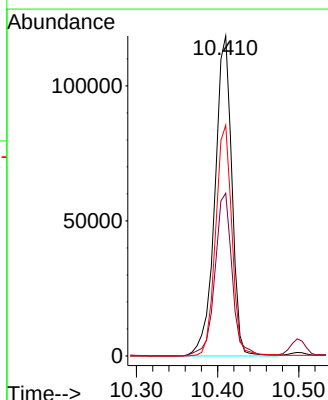
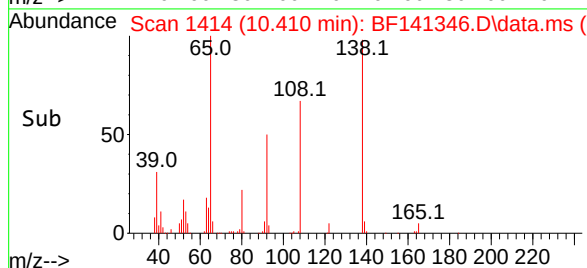
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

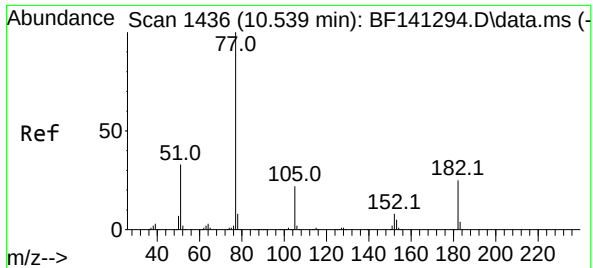


#62
4-Nitroaniline
Concen: 36.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



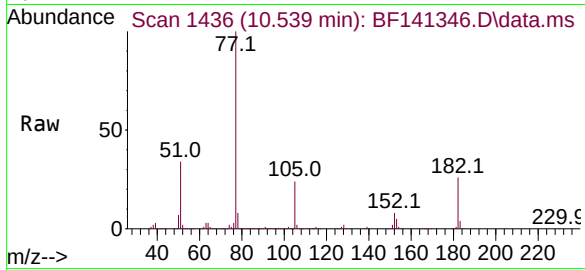
Tgt Ion:138 Resp: 172114
Ion Ratio Lower Upper
138 100
92 50.9 30.1 70.1
108 72.1 53.1 93.1





#63
Azobenzene
Concen: 43.701 ng
RT: 10.539 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

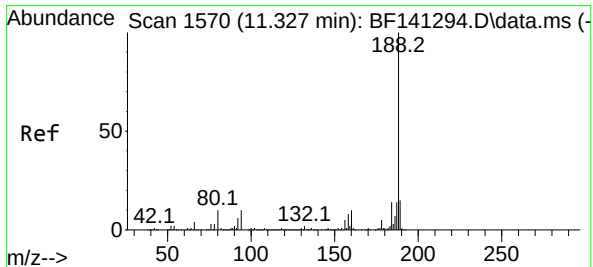
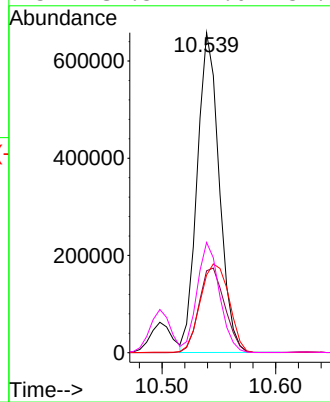
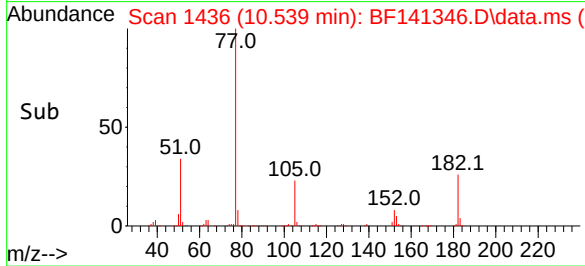
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion: 77 Resp: 88559
Ion Ratio Lower Upper
77 100
182 25.6 5.1 45.1
105 24.3 1.8 41.8
51 34.5 14.0 54.0

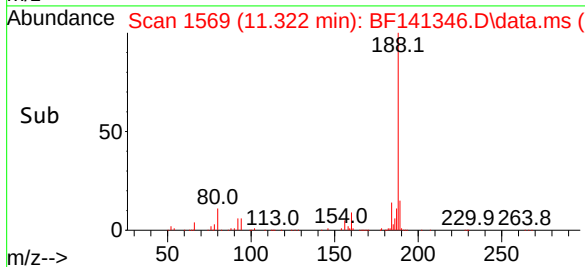
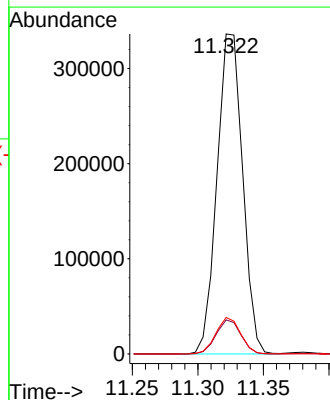
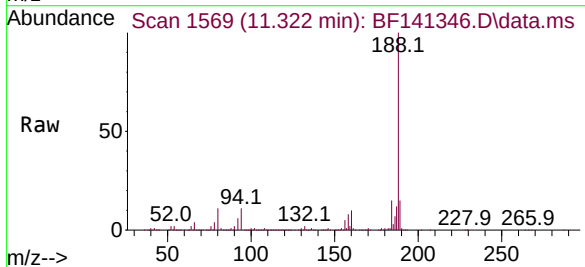
Manual Integrations
APPROVED

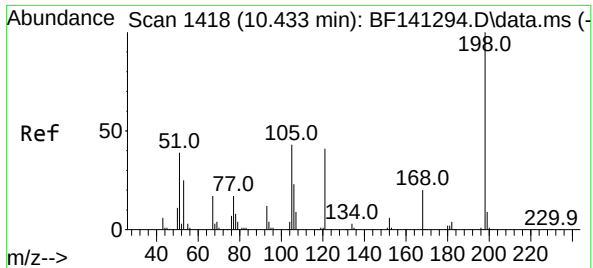
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

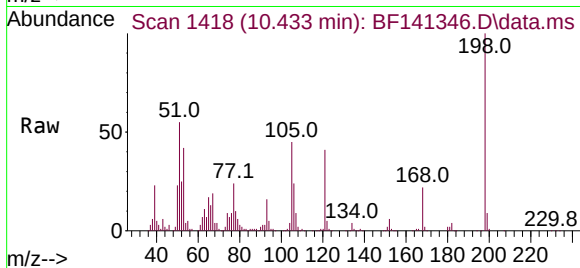
Tgt Ion:188 Resp: 457150
Ion Ratio Lower Upper
188 100
94 10.7 7.8 11.6
80 11.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 51.922 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

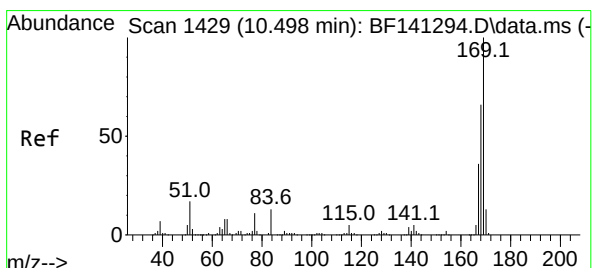
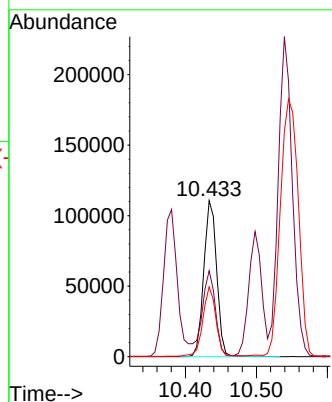
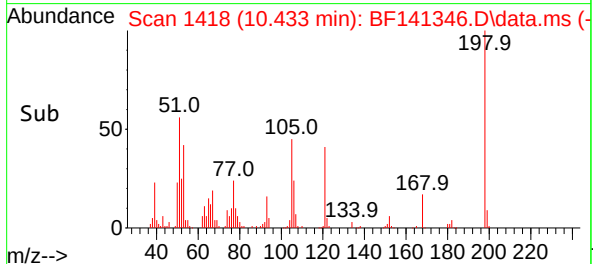
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:198 Resp: 140399
Ion Ratio Lower Upper
198 100
51 55.1 33.4 73.4
105 44.7 24.4 64.4

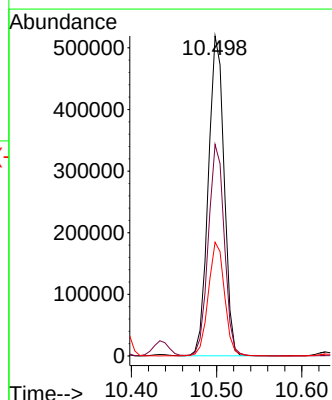
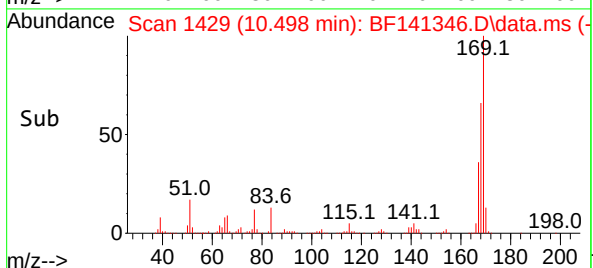
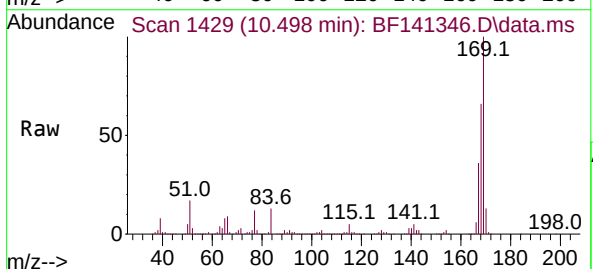
Manual Integrations
APPROVED

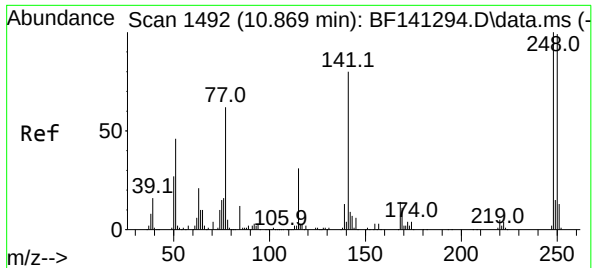
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#66
n-Nitrosodiphenylamine
Concen: 45.158 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

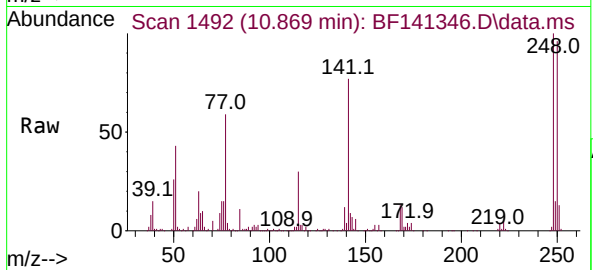
Tgt Ion:169 Resp: 667697
Ion Ratio Lower Upper
169 100
168 66.1 53.0 79.4
167 35.6 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 44.366 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

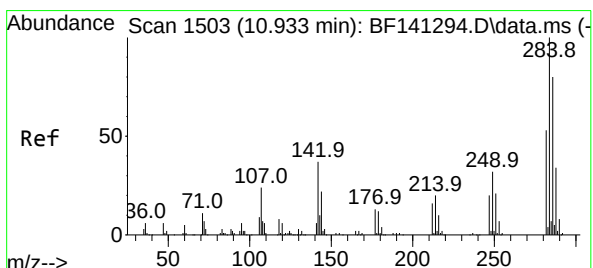
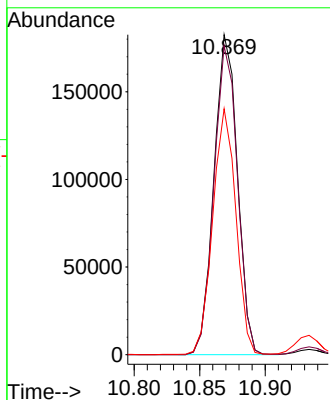
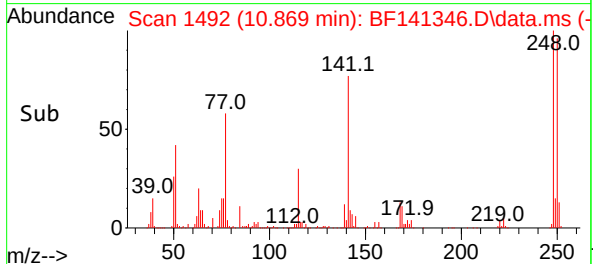
Instrument :
BNA_F
ClientSampleId :
357MSD



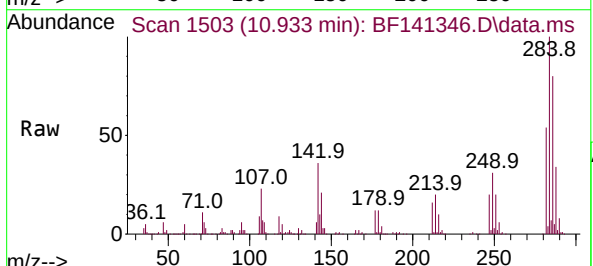
Tgt Ion:248 Resp: 227064
Ion Ratio Lower Upper
248 100
250 96.5 79.0 118.4
141 76.8 63.7 95.5

Manual Integrations
APPROVED

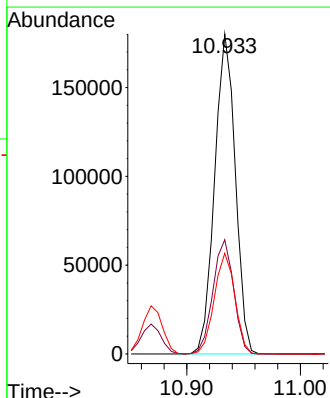
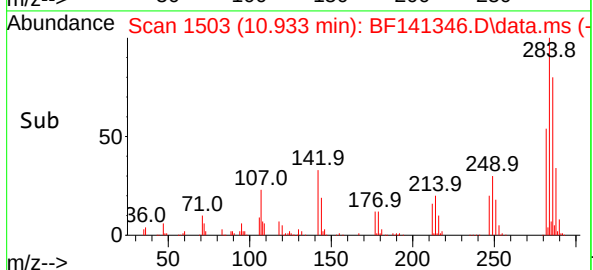
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

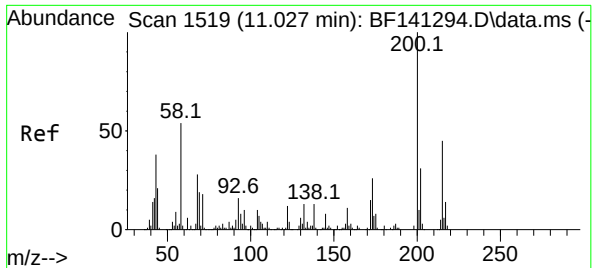


#68
Hexachlorobenzene
Concen: 41.915 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



Tgt Ion:284 Resp: 227552
Ion Ratio Lower Upper
284 100
142 35.7 29.5 44.3
249 31.5 25.4 38.2





#69

Atrazine

Concen: 48.067 ng

RT: 11.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:200 Resp: 23762

Ion Ratio Lower Upper

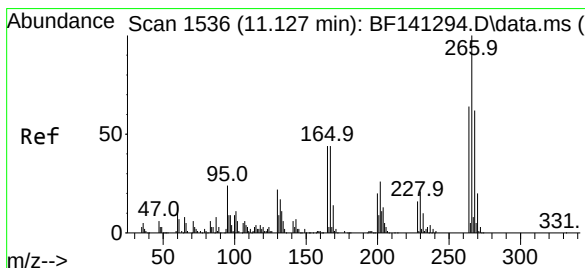
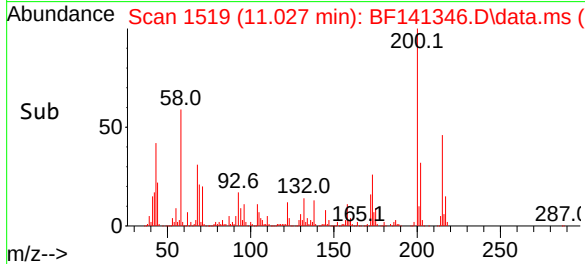
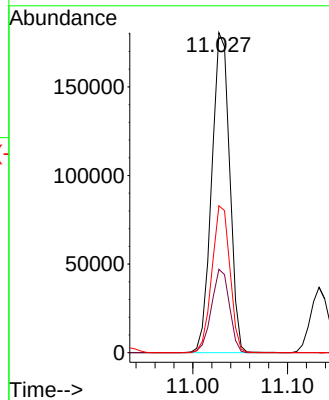
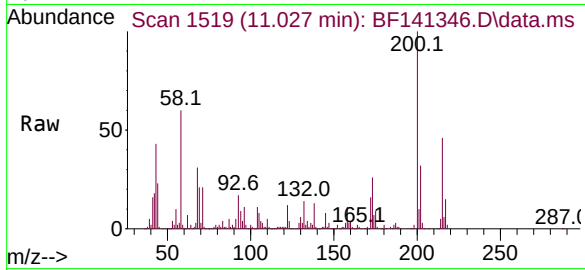
200 100

173 26.1 5.9 45.9

215 45.9 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#70

Pentachlorophenol

Concen: 83.676 ng

RT: 11.133 min Scan# 1537

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

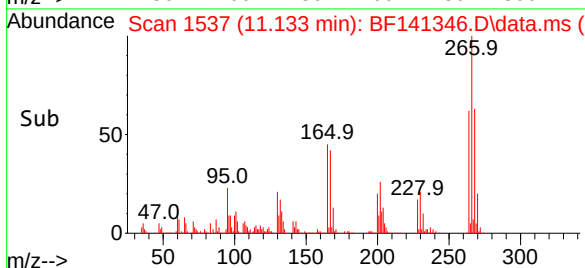
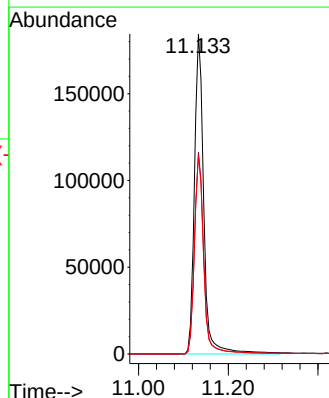
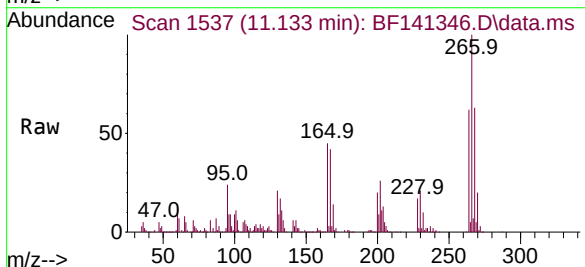
Tgt Ion:266 Resp: 266010

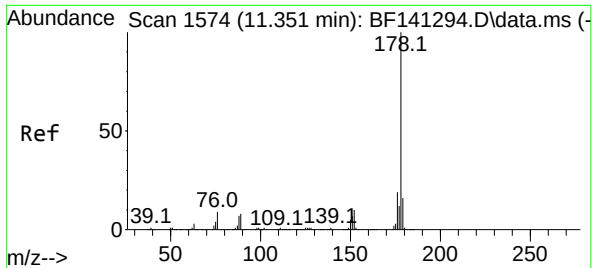
Ion Ratio Lower Upper

266 100

268 62.9 49.9 74.9

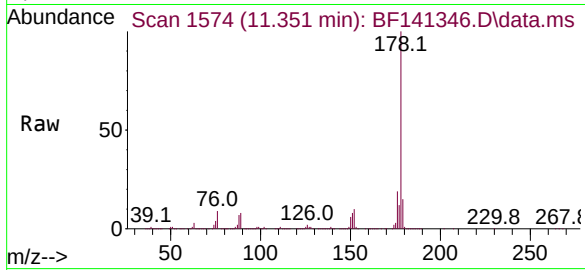
264 62.2 51.0 76.4





#71
Phenanthrene
Concen: 42.741 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

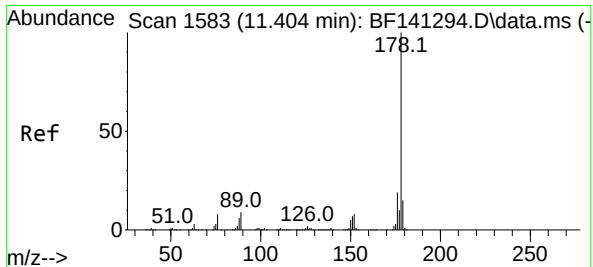
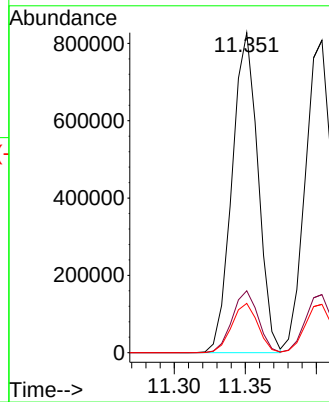
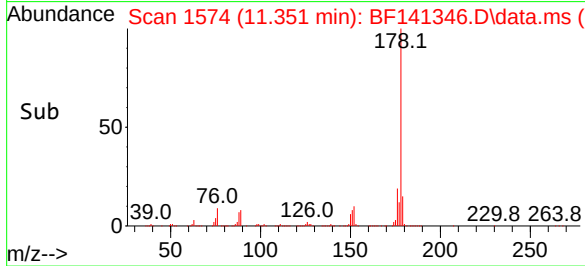
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:178 Resp: 1050315
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.5 18.7

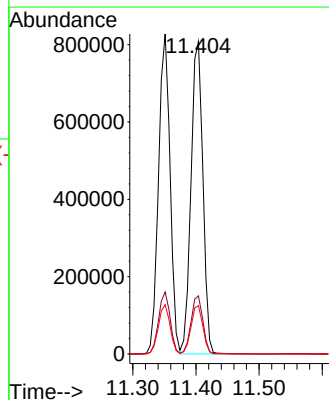
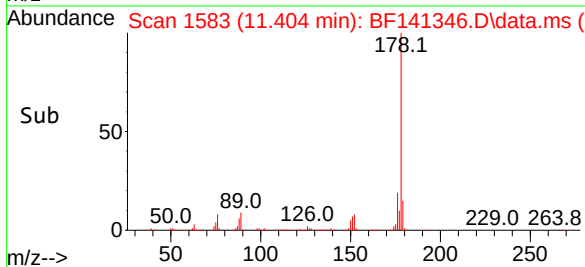
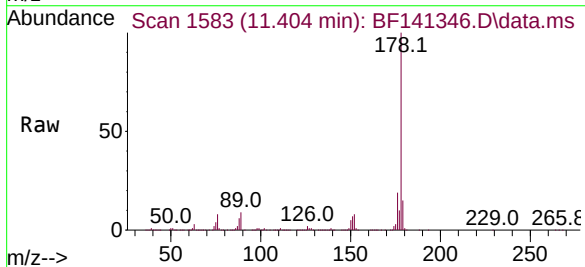
Manual Integrations
APPROVED

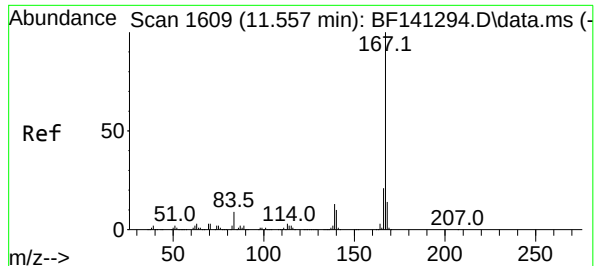
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#72
Anthracene
Concen: 43.760 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:178 Resp: 1053645
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.5 12.3 18.5





#73

Carbazole

Concen: 39.021 ng

RT: 11.557 min Scan# 1609

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

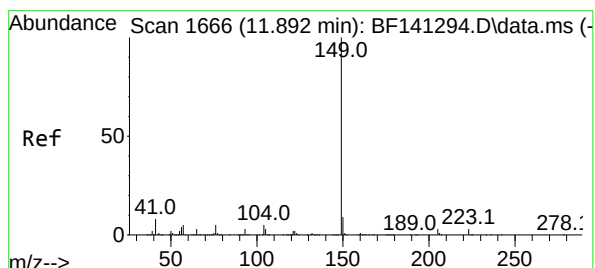
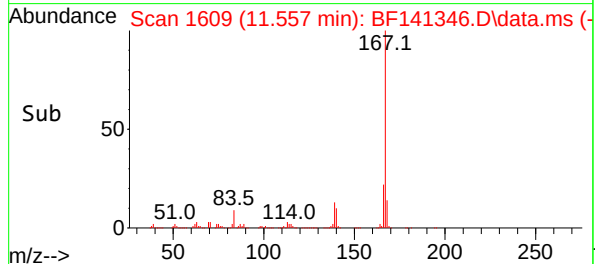
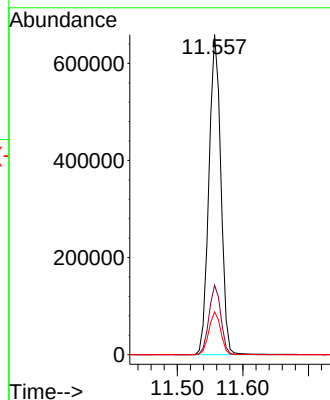
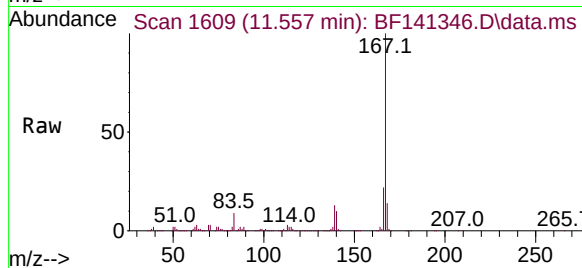
357MSD

Tgt Ion:167	Resp: 83311
Ion Ratio	Lower Upper
167 100	
166 21.7	17.0 25.6
139 13.4	10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#74

Di-n-butylphthalate

Concen: 43.908 ng

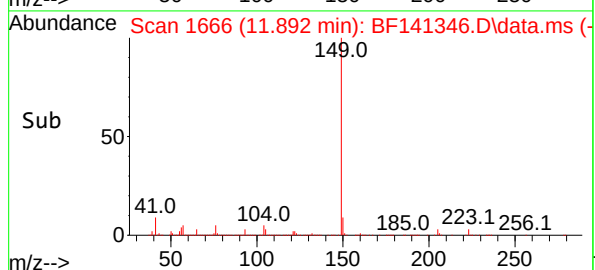
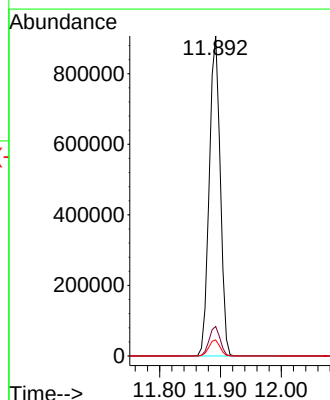
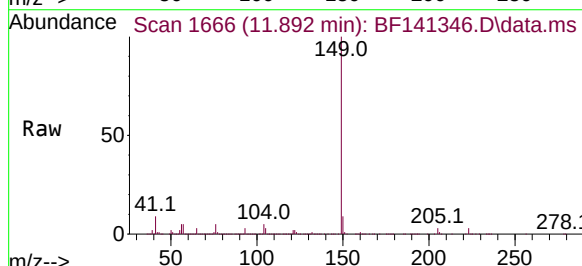
RT: 11.892 min Scan# 1666

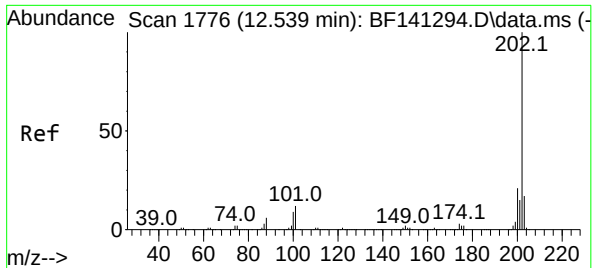
Delta R.T. 0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

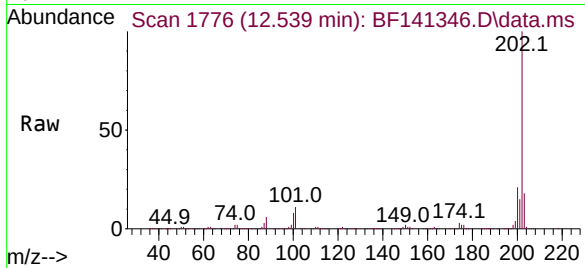
Tgt Ion:149	Resp: 1136082
Ion Ratio	Lower Upper
149 100	
150 9.2	7.4 11.2
104 5.0	3.9 5.9





#75
Fluoranthene
Concen: 39.185 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

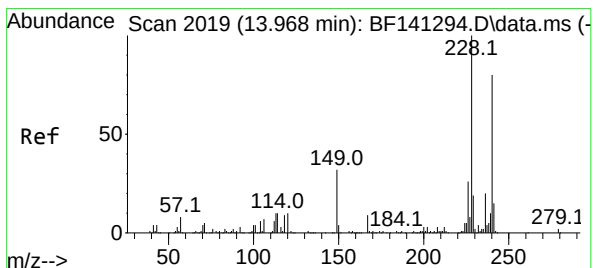
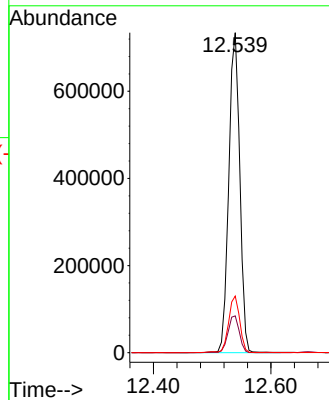
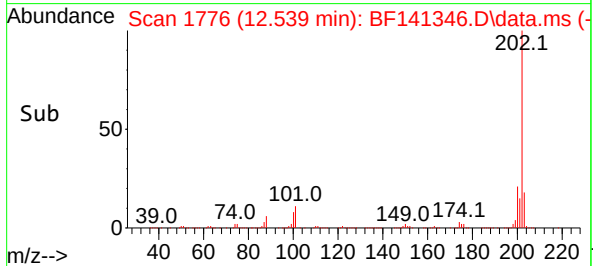
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:202 Resp: 95078
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.7 0.0 37.5

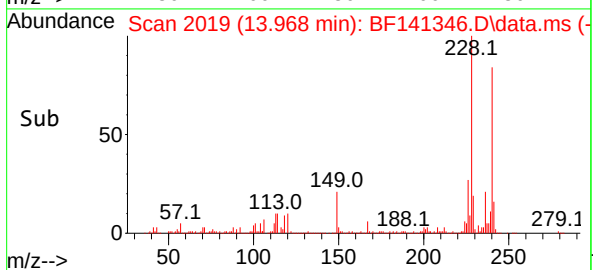
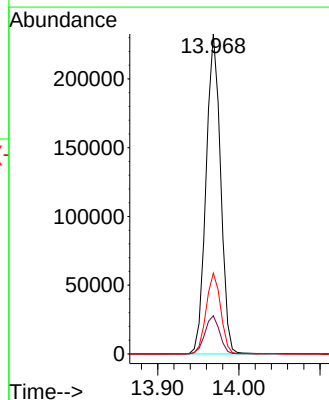
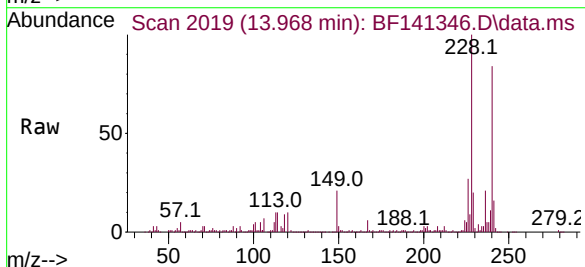
Manual Integrations
APPROVED

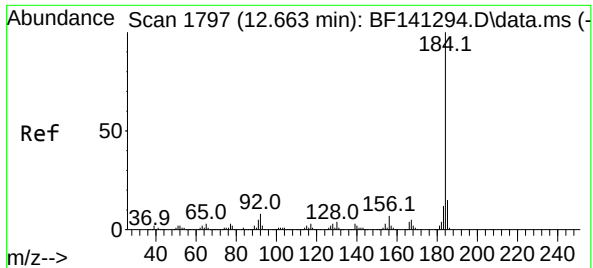
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

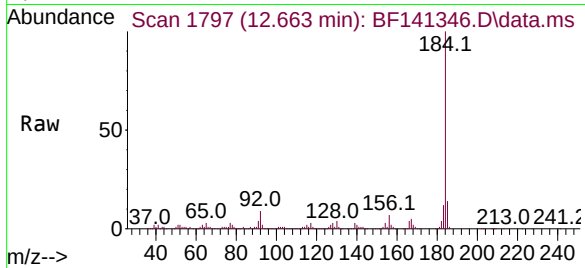
Tgt Ion:240 Resp: 288493
Ion Ratio Lower Upper
240 100
120 11.9 10.0 15.0
236 25.3 19.7 29.5





#77
Benzidine
Concen: 43.495 ng
RT: 12.663 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

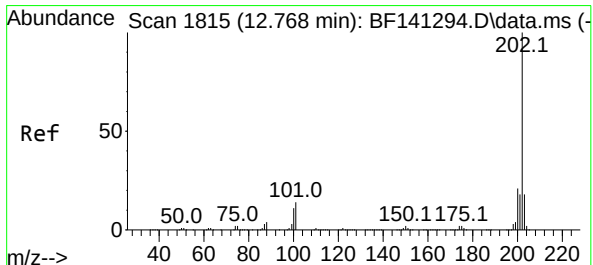
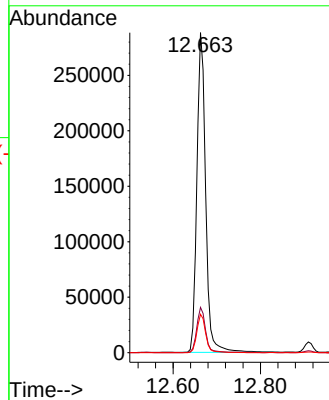
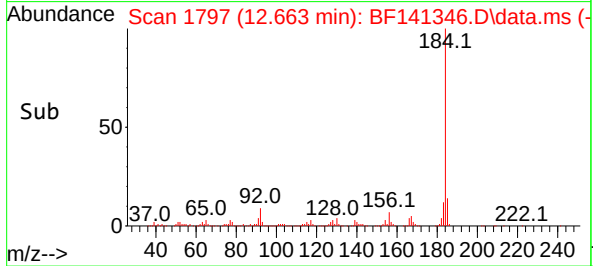
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:184 Resp: 402260
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 12.0 9.5 14.3

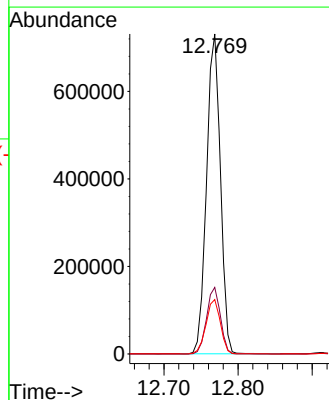
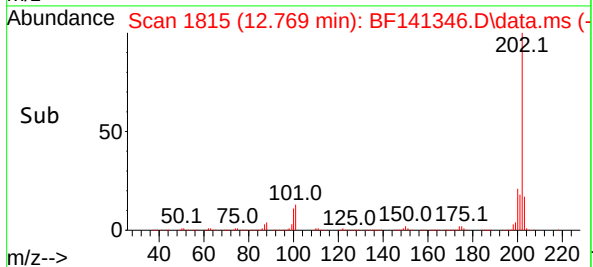
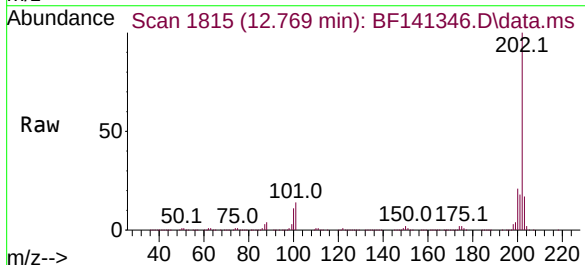
Manual Integrations
APPROVED

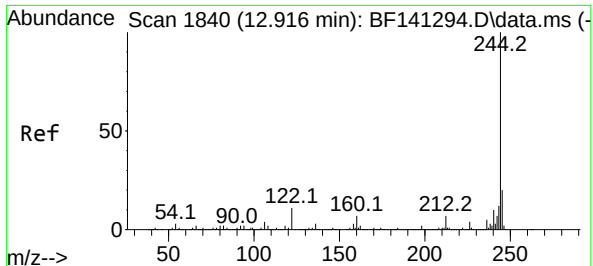
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 34.219 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:202 Resp: 947624
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 17.0 14.3 21.5





#79

Terphenyl-d14

Concen: 49.697 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF141346.D

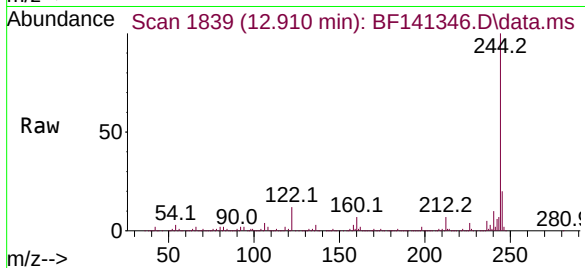
Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD



Tgt Ion:244 Resp: 92966

Ion Ratio Lower Upper

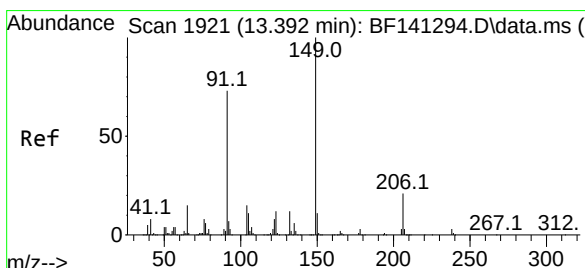
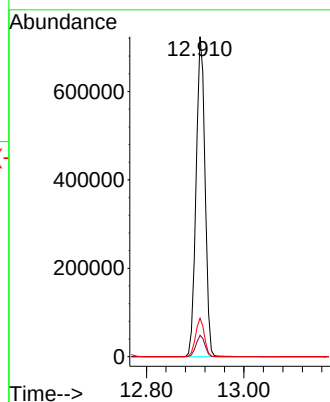
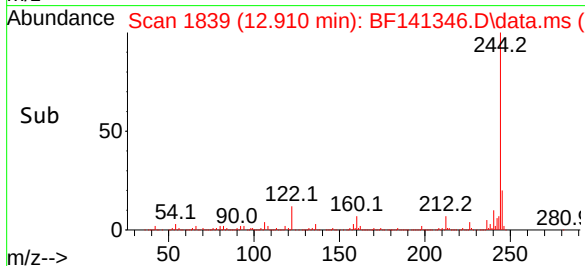
244 100

212 6.7 5.4 8.0

122 12.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#80

Butylbenzylphthalate

Concen: 39.340 ng

RT: 13.392 min Scan# 1921

Delta R.T. -0.000 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

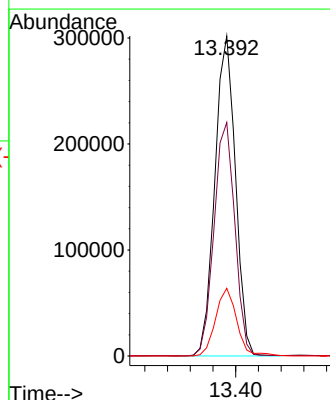
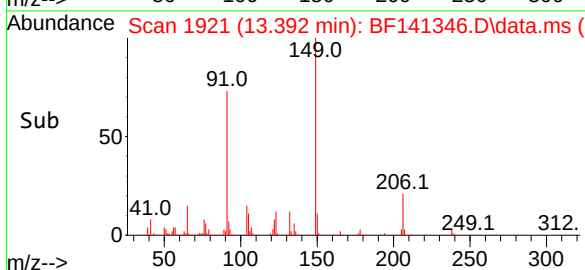
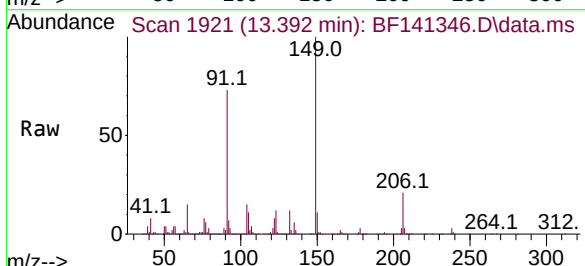
Tgt Ion:149 Resp: 380601

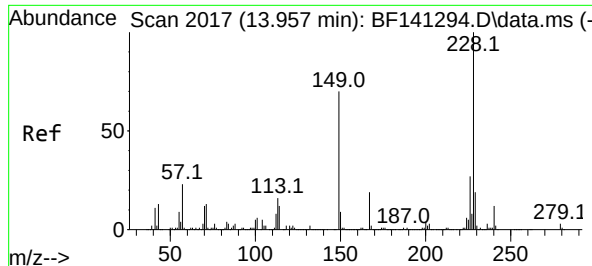
Ion Ratio Lower Upper

149 100

91 73.0 58.6 87.8

206 21.2 16.7 25.1





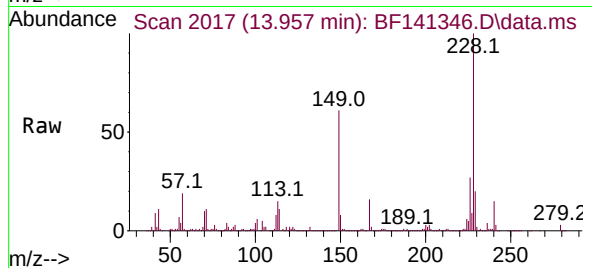
#81
Benzo(a)anthracene
Concen: 39.373 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

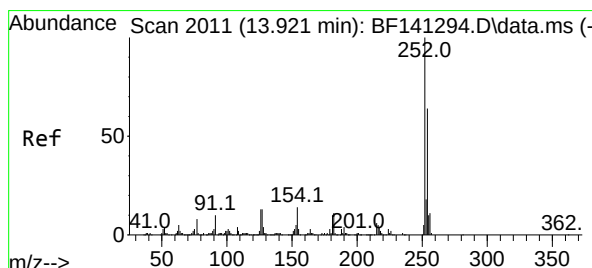
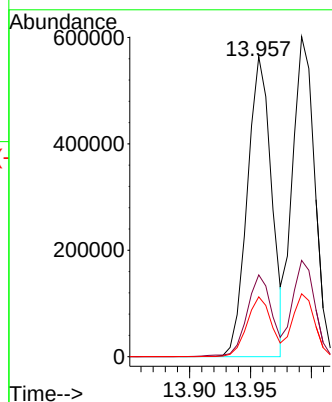
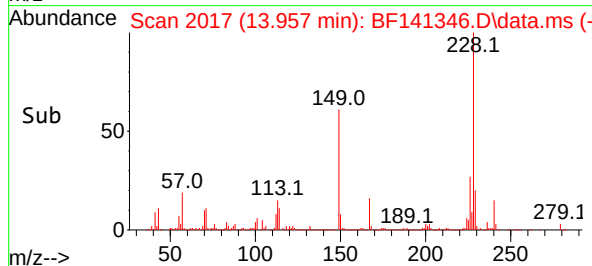


Tgt Ion:228 Resp: 78382
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.9 15.5 23.3

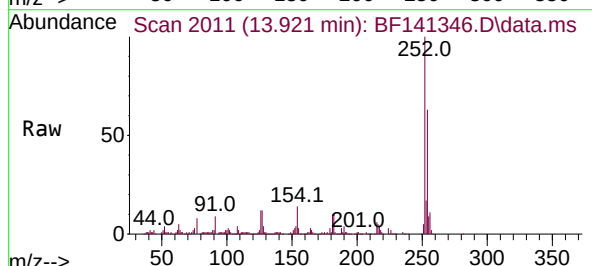
Manual Integrations

APPROVED

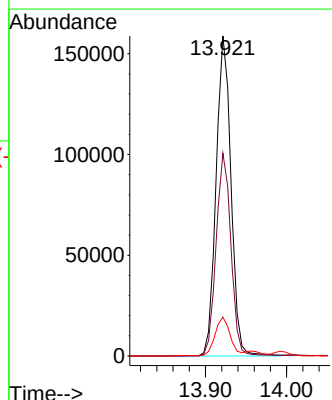
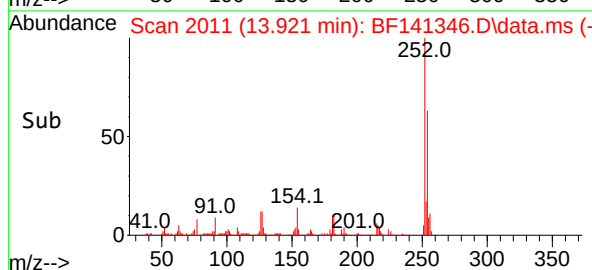
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

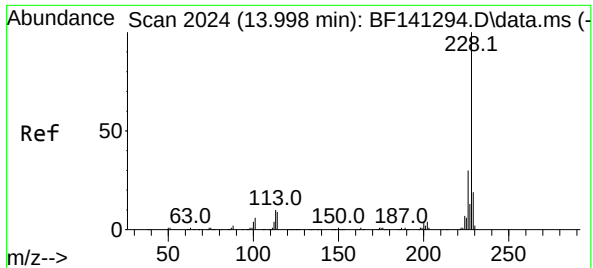


#82
3,3'-Dichlorobenzidine
Concen: 31.995 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50



Tgt Ion:252 Resp: 202580
Ion Ratio Lower Upper
252 100
254 63.3 51.3 76.9
126 12.1 10.0 15.0





#83

Chrysene

Concen: 41.606 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:228 Resp: 759093

Ion Ratio Lower Upper

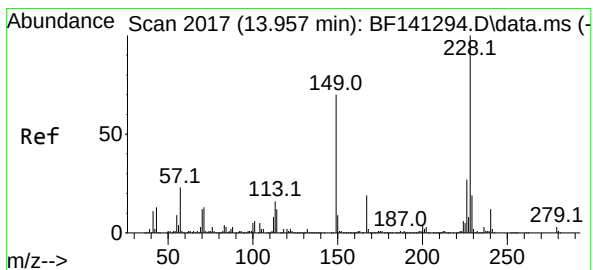
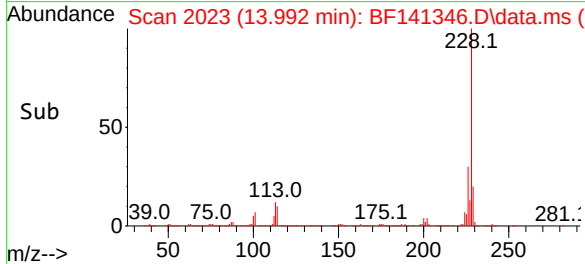
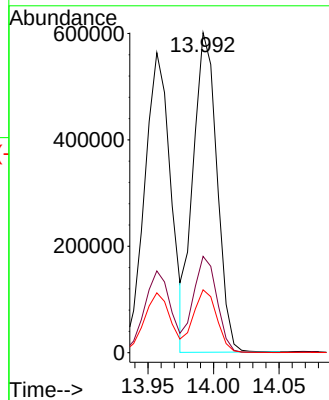
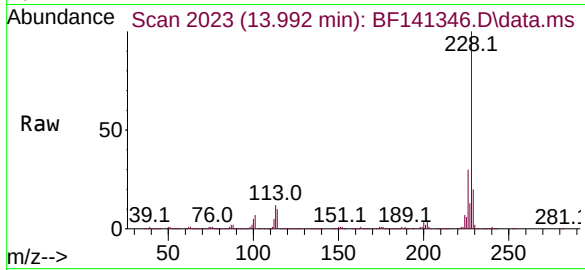
228 100

226 30.1 24.1 36.1

229 19.7 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#84

Bis(2-ethylhexyl)phthalate

Concen: 41.154 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

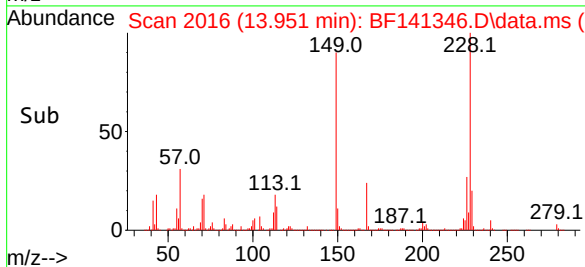
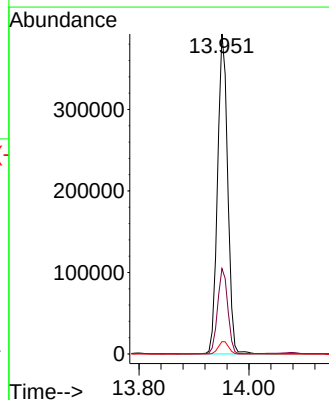
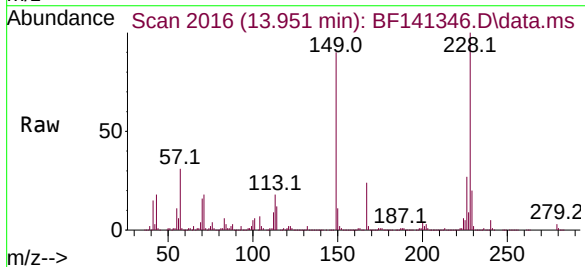
Tgt Ion:149 Resp: 505063

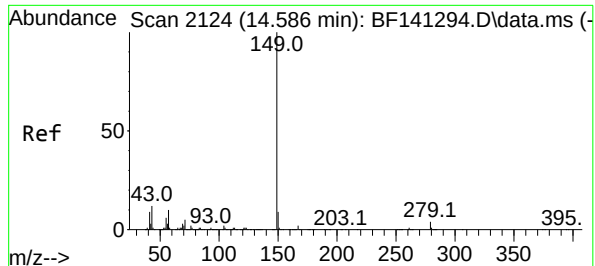
Ion Ratio Lower Upper

149 100

167 26.7 21.8 32.8

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 47.113 ng

RT: 14.568 min Scan# 2124

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:149 Resp: 898058

Ion Ratio Lower Upper

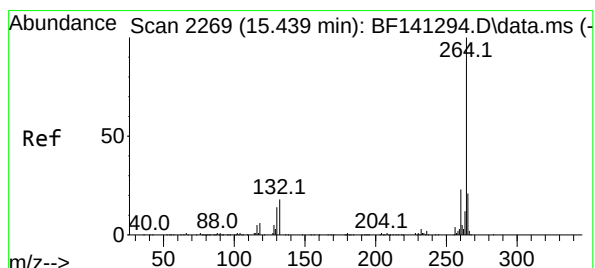
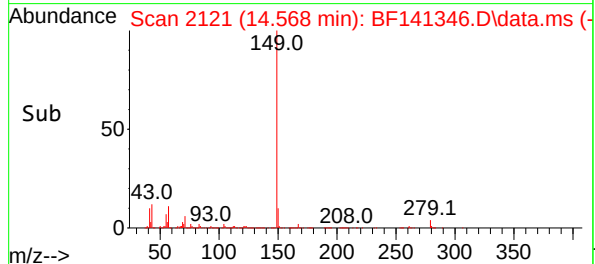
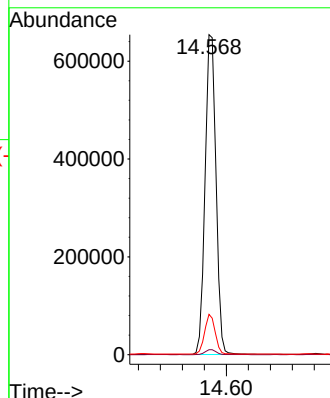
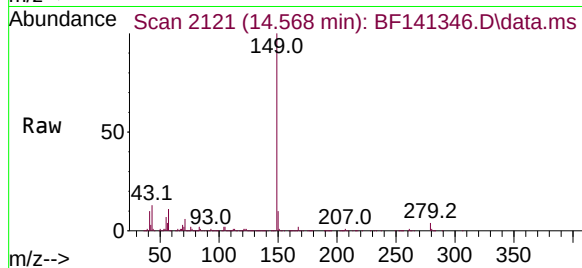
149 100

167 1.7 1.3 1.9

43 12.0 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

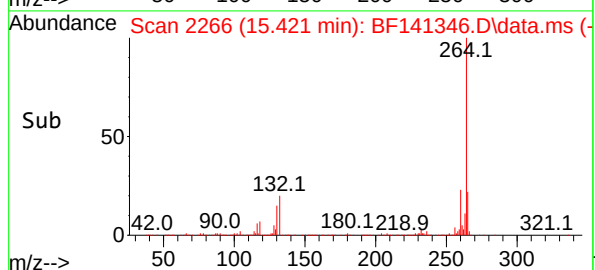
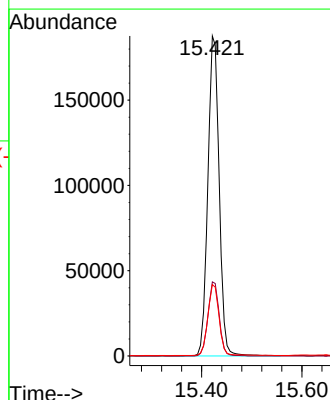
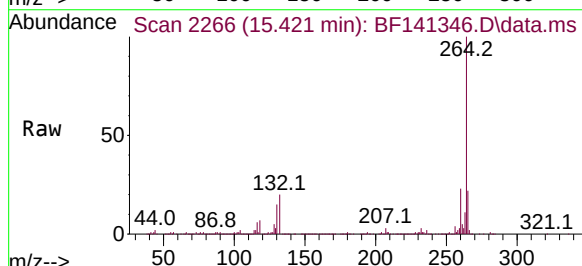
Tgt Ion:264 Resp: 294341

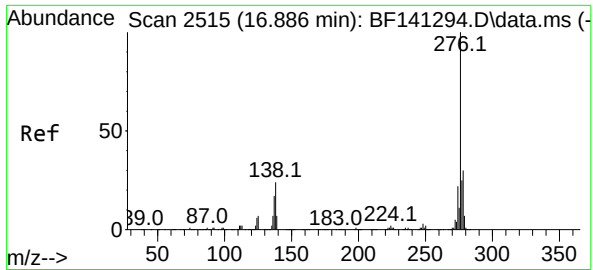
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 22.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.762 ng

RT: 16.874 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:276 Resp: 622389

Ion Ratio Lower Upper

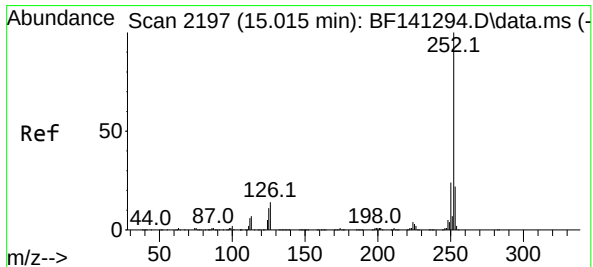
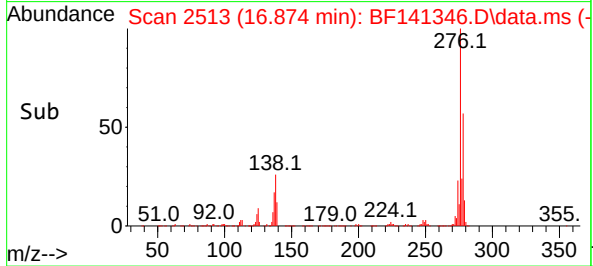
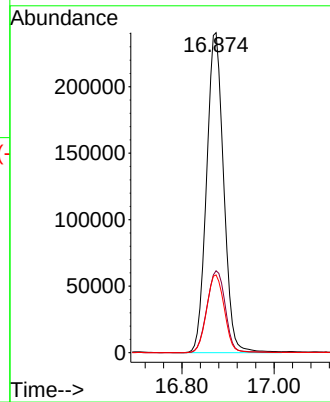
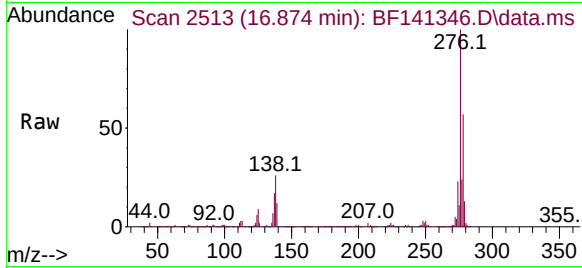
276 100

138 27.6 21.7 32.5

277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

#88

Benzo(b)fluoranthene

Concen: 41.877 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

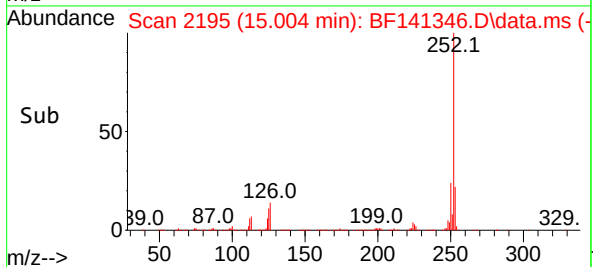
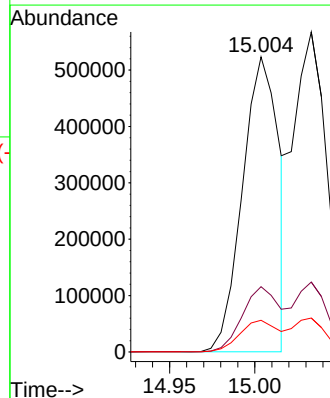
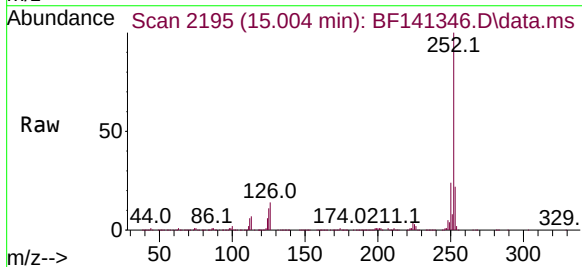
Tgt Ion:252 Resp: 775353

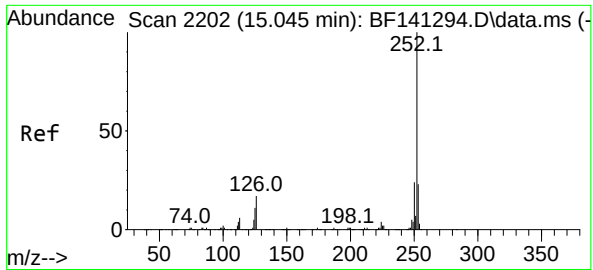
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 10.8 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 47.082 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

Instrument :

BNA_F

ClientSampleId :

357MSD

Tgt Ion:252 Resp: 77223

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

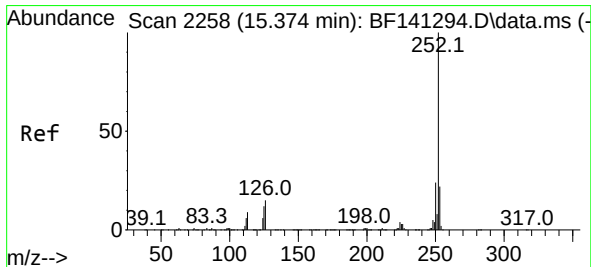
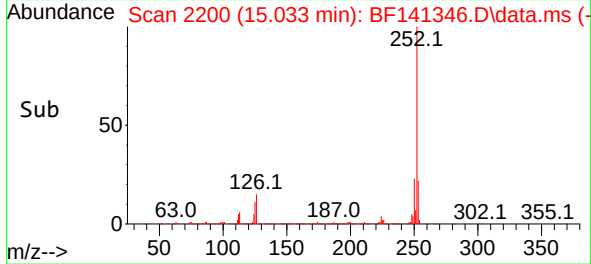
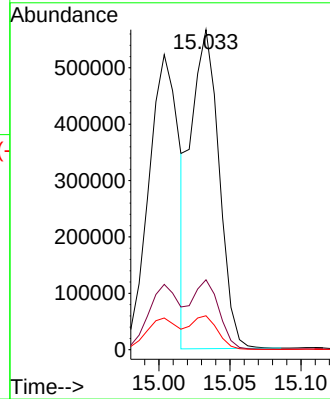
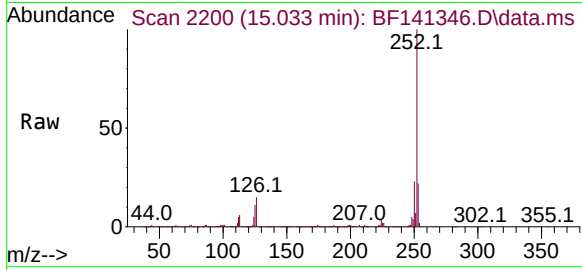
125 10.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025

Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 45.164 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141346.D

Acq: 31 Jan 2025 21:50

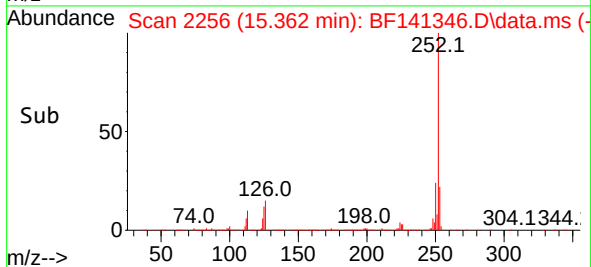
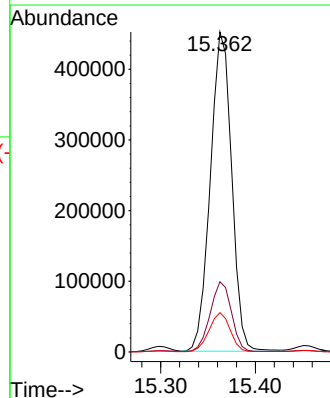
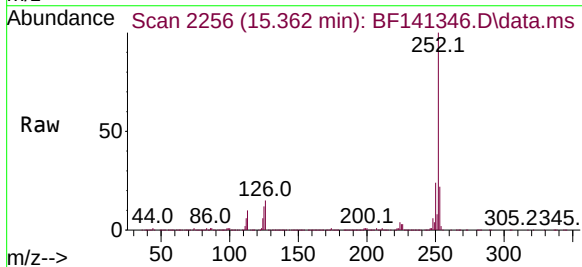
Tgt Ion:252 Resp: 706630

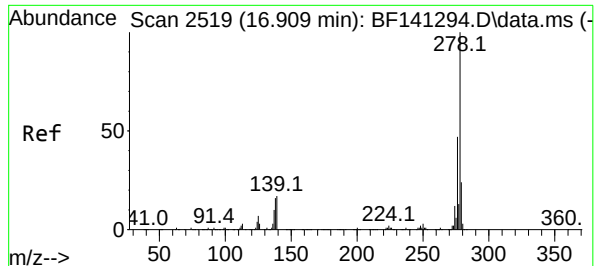
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

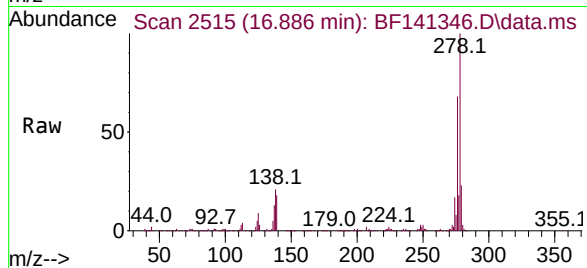
125 12.3 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 32.989 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

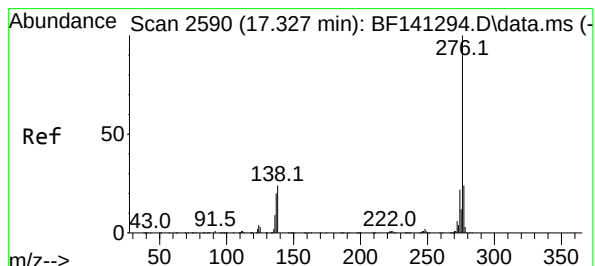
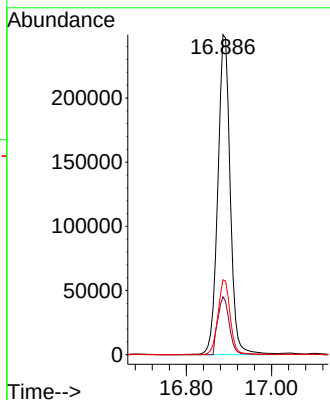
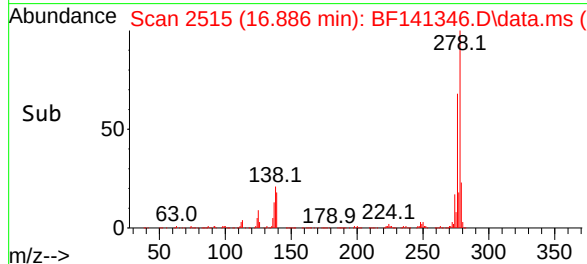
Instrument :
BNA_F
ClientSampleId :
357MSD



Tgt Ion:278 Resp: 504200
Ion Ratio Lower Upper
278 100
139 18.1 13.9 20.9
279 23.4 18.8 28.2

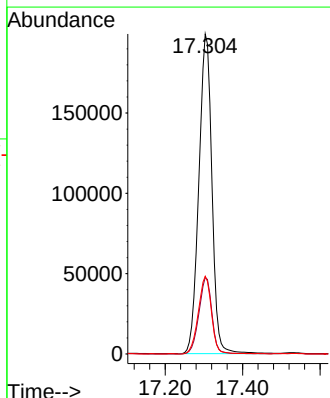
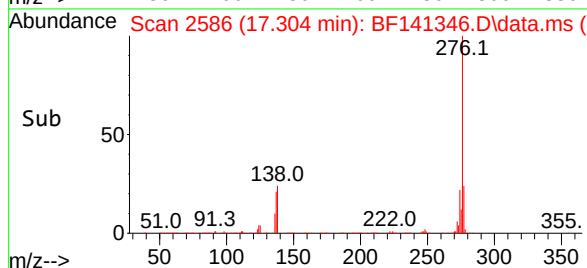
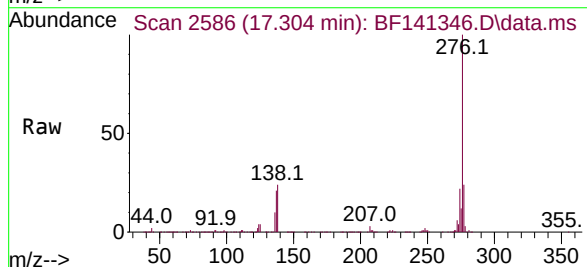
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 29.328 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141346.D
Acq: 31 Jan 2025 21:50

Tgt Ion:276 Resp: 466099
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 24.3 19.0 28.4



Manual Integration Report

Sequence:

BF012925

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MS	BF141345.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:10 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MS	BF141345.D	Caprolactam	Jagrut	2/3/2025 3:35:10 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	Acenaphthene	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1239-10MSD	BF141346.D	Caprolactam	Jagrut	2/3/2025 3:35:17 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF020525

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	Acenaphthene	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166418BS	BF141441.D	Caprolactam	yogesh	2/6/2025 7:44:03 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf020725

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141506.D	Acenaphthene	anahy	2/10/2025 12:38:30 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1235-07	BF141522.D	Benzo(b)fluoranthene	Rahul	2/10/2025 12:54:08 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1235-07	BF141522.D	Benzo(k)fluoranthene	Rahul	2/10/2025 12:54:08 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1235-03	BF141529.D	Benzo(b)fluoranthene	anahy	2/10/2025 12:42:58 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software
Q1235-03	BF141529.D	Benzo(k)fluoranthene	anahy	2/10/2025 12:42:58 PM	mohammad	2/12/2025 7:26:07 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673			
CCC		SP6676			
Internal Standard/PEM		S12649,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12649,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673		
CCC	SP6676		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM
SubDirectory	BF020625	HP Acquire Method	BNA_F
		HP Processing Method	bf020625
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM
SubDirectory	BF020625	HP Acquire Method	BNA_F
		HP Processing Method	bf020625
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	HP Acquire Method	BNA_F
		HP Processing Method	bf020625
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141495.D	07 Feb 2025 09:28	RC/JU	Ok
2	SSTDCCC040	BF141496.D	07 Feb 2025 09:55	RC/JU	Ok
3	PB166588BL	BF141497.D	07 Feb 2025 10:21	RC/JU	Ok
4	PB166588BS	BF141498.D	07 Feb 2025 10:47	RC/JU	Ok,M
5	PB166567BL	BF141499.D	07 Feb 2025 11:13	RC/JU	Ok
6	PB166563BS	BF141500.D	07 Feb 2025 11:40	RC/JU	Ok,M
7	PB166567BS	BF141501.D	07 Feb 2025 12:06	RC/JU	Ok,M
8	PB166567BSD	BF141502.D	07 Feb 2025 12:32	RC/JU	Ok,M
9	PB166580BL	BF141503.D	07 Feb 2025 12:58	RC/JU	Ok
10	PB166580BS	BF141504.D	07 Feb 2025 13:25	RC/JU	Ok,M
11	DFTPP	BF141505.D	07 Feb 2025 14:07	RC/JU	Ok
12	SSTDCCC040	BF141506.D	07 Feb 2025 14:33	RC/JU	Ok,M
13	PB166528TB	BF141507.D	07 Feb 2025 15:00	RC/JU	Ok
14	Q1285-02	BF141508.D	07 Feb 2025 15:31	RC/JU	Ok
15	Q1304-01	BF141509.D	07 Feb 2025 15:58	RC/JU	Ok
16	Q1299-01	BF141510.D	07 Feb 2025 16:24	RC/JU	Ok
17	Q1299-05	BF141511.D	07 Feb 2025 16:50	RC/JU	Ok,M
18	Q1288-01	BF141512.D	07 Feb 2025 17:16	RC/JU	Dilution
19	Q1288-01MS	BF141513.D	07 Feb 2025 17:43	RC/JU	Ok,M
20	Q1288-01MSD	BF141514.D	07 Feb 2025 18:09	RC/JU	Ok,M
21	Q1215-07	BF141515.D	07 Feb 2025 18:35	RC/JU	Dilution

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	HP Acquire Method	BNA_F
		HP Processing Method	bf020625
STD. NAME	STD REF.#		
Tune/Reschk	SP6717		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12650,10ul/1000ul sample		
ICV/I.BLK	SP6686		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1216-07	BF141516.D	07 Feb 2025 19:02	RC/JU	Ok,M
23	Q1216-03	BF141517.D	07 Feb 2025 19:28	RC/JU	Ok,M
24	Q1241-03	BF141518.D	07 Feb 2025 19:54	RC/JU	Dilution
25	Q1232-15	BF141519.D	07 Feb 2025 20:21	RC/JU	Dilution
26	Q1216-15	BF141520.D	07 Feb 2025 20:47	RC/JU	Dilution
27	Q1241-11	BF141521.D	07 Feb 2025 21:13	RC/JU	Ok,M
28	Q1235-07	BF141522.D	07 Feb 2025 21:40	RC/JU	Ok,M
29	Q1232-07	BF141523.D	07 Feb 2025 22:07	RC/JU	Ok,M
30	Q1241-19	BF141524.D	07 Feb 2025 22:33	RC/JU	Ok,M
31	Q1241-15	BF141525.D	07 Feb 2025 23:00	RC/JU	Dilution
32	Q1242-03	BF141526.D	07 Feb 2025 23:27	RC/JU	Ok,M
33	Q1232-11	BF141527.D	07 Feb 2025 23:53	RC/JU	Ok,M
34	Q1232-19	BF141528.D	08 Feb 2025 00:20	RC/JU	Ok,M
35	Q1235-03	BF141529.D	08 Feb 2025 00:47	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM
SubDirectory	BF012925	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM
SubDirectory	BF013125	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12649,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM
SubDirectory	BF020525	HP Acquire Method	BNA_F
		HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673				
CCC	SP6676				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM
SubDirectory	BF020625	HP Acquire Method	BNA_F
		HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625
STD. NAME	STD REF.#				
Tune/Reschk	SP6717				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12650,10ul/1000ul sample				
ICV/I.BLK	SP6686				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM
SubDirectory	BF020725	HP Acquire Method	BNA_F
		HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141495.D	07 Feb 2025 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141496.D	07 Feb 2025 09:55		RC/JU	Ok
3	PB166588BL	PB166588BL	BF141497.D	07 Feb 2025 10:21		RC/JU	Ok
4	PB166588BS	PB166588BS	BF141498.D	07 Feb 2025 10:47		RC/JU	Ok,M
5	PB166567BL	PB166567BL	BF141499.D	07 Feb 2025 11:13		RC/JU	Ok
6	PB166563BS	PB166563BS	BF141500.D	07 Feb 2025 11:40		RC/JU	Ok,M
7	PB166567BS	PB166567BS	BF141501.D	07 Feb 2025 12:06		RC/JU	Ok,M
8	PB166567BSD	PB166567BSD	BF141502.D	07 Feb 2025 12:32		RC/JU	Ok,M
9	PB166580BL	PB166580BL	BF141503.D	07 Feb 2025 12:58		RC/JU	Ok
10	PB166580BS	PB166580BS	BF141504.D	07 Feb 2025 13:25		RC/JU	Ok,M
11	DFTPP	DFTPP	BF141505.D	07 Feb 2025 14:07		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040	BF141506.D	07 Feb 2025 14:33		RC/JU	Ok,M
13	PB166528TB	PB166528TB	BF141507.D	07 Feb 2025 15:00		RC/JU	Ok
14	Q1285-02	72-11977	BF141508.D	07 Feb 2025 15:31		RC/JU	Ok
15	Q1304-01	RB21140	BF141509.D	07 Feb 2025 15:58	Internal Standard Fail	RC/JU	Ok
16	Q1299-01	WC-1	BF141510.D	07 Feb 2025 16:24		RC/JU	Ok
17	Q1299-05	WC-2	BF141511.D	07 Feb 2025 16:50		RC/JU	Ok,M
18	Q1288-01	HR-01-020425	BF141512.D	07 Feb 2025 17:16	Need 2X Dilution	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF020725

Review By	Rahul	Review On	2/11/2025 4:20:20 PM		
Supervise By	mohammad	Supervise On	2/12/2025 7:26:07 AM		
SubDirectory	BF020725	HP Acquire Method	BNA_F	HP Processing Method	bf020625
STD. NAME		STD REF.#			
Tune/Reschk		SP6717			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12650,10ul/1000ul sample			
ICV/I.BLK		SP6686			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1288-01MS	HR-01-020425MS	BF141513.D	07 Feb 2025 17:43		RC/JU	Ok,M
20	Q1288-01MSD	HR-01-020425MSD	BF141514.D	07 Feb 2025 18:09		RC/JU	Ok,M
21	Q1215-07	JPP-29.2-012825	BF141515.D	07 Feb 2025 18:35	Need 2X Dilution	RC/JU	Dilution
22	Q1216-07	JPP-21.1-012825	BF141516.D	07 Feb 2025 19:02		RC/JU	Ok,M
23	Q1216-03	JPP-18.1-012825	BF141517.D	07 Feb 2025 19:28		RC/JU	Ok,M
24	Q1241-03	JPP-3.5-013025	BF141518.D	07 Feb 2025 19:54	Need 5X Dilution	RC/JU	Dilution
25	Q1232-15	JPP-42.2-012925	BF141519.D	07 Feb 2025 20:21	Need 5X Dilution	RC/JU	Dilution
26	Q1216-15	JPP-26.1-012825	BF141520.D	07 Feb 2025 20:47	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
27	Q1241-11	JPP-5.2-013025	BF141521.D	07 Feb 2025 21:13	Surrogate Fail	RC/JU	Ok,M
28	Q1235-07	JPP-16.1-012925	BF141522.D	07 Feb 2025 21:40		RC/JU	Ok,M
29	Q1232-07	JPP-46.1-012925	BF141523.D	07 Feb 2025 22:07		RC/JU	Ok,M
30	Q1241-19	JPP-51.4-013025	BF141524.D	07 Feb 2025 22:33		RC/JU	Ok,M
31	Q1241-15	JPP-5.4-013025	BF141525.D	07 Feb 2025 23:00	Need further 5X Dilution	RC/JU	Dilution
32	Q1242-03	JPP-6.2-013025	BF141526.D	07 Feb 2025 23:27	Surrogate Fail	RC/JU	Ok,M
33	Q1232-11	JPP-42.1-012925	BF141527.D	07 Feb 2025 23:53		RC/JU	Ok,M
34	Q1232-19	JPP-51.1-012925	BF141528.D	08 Feb 2025 00:20		RC/JU	Ok,M
35	Q1235-03	JPP-51.2-012925	BF141529.D	08 Feb 2025 00:47	Surrogate Fail	RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134481

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
Q1215-01	JPP-29.1-012825	1	1.15	8.54	9.69	8.75	89.0	
Q1215-03	JPP-29.1-012825	2	1.16	8.48	9.64	8.69	88.8	
Q1215-05	JPP-29.2-012825	3	1.19	8.70	9.89	8.77	87.1	
Q1215-07	JPP-29.2-012825	4	1.15	8.63	9.78	8.81	88.8	
Q1216-01	JPP-18.1-012825	5	1.19	8.45	9.64	8.05	81.2	
Q1216-03	JPP-18.1-012825	6	1.16	8.82	9.98	8.51	83.3	
Q1216-05	JPP-21.1-012825	7	1.15	8.40	9.55	8.83	91.4	
Q1216-07	JPP-21.1-012825	8	1.15	8.75	9.9	9.06	90.4	
Q1216-09	JPP-21.2-012825	9	1.19	8.42	9.61	8.29	84.3	
Q1216-11	JPP-21.2-012825	10	1.15	8.36	9.51	8.2	84.3	
Q1216-13	JPP-26.1-012825	11	1.19	8.46	9.65	7.87	79.0	
Q1216-15	JPP-26.1-012825	12	1.17	8.76	9.93	8.42	82.8	
Q1216-17	JPP-26.2-012825	13	1.16	8.63	9.79	8.52	85.3	
Q1216-19	JPP-26.2-012825	14	1.17	8.51	9.68	8.47	85.8	
Q1232-01	JPP-46.2-012925	15	1.12	8.77	9.89	8.99	89.7	
Q1232-03	JPP-46.2-012925	16	1.15	8.37	9.52	8.62	89.2	
Q1232-05	JPP-46.1-012925	17	1.17	8.50	9.67	9.14	93.8	
Q1232-07	JPP-46.1-012925	18	1.15	8.72	9.87	9.35	94.0	
Q1232-09	JPP-42.1-012925	19	1.14	8.37	9.51	8.56	88.6	
Q1232-11	JPP-42.1-012925	20	1.19	8.43	9.62	8.62	88.1	
Q1232-13	JPP-42.2-012925	21	1.15	8.50	9.65	8.98	92.1	
Q1232-15	JPP-42.2-012925	22	1.15	8.37	9.52	8.95	93.2	
Q1232-17	JPP-51.1-012925	23	1.19	8.42	9.61	9.14	94.4	
Q1232-19	JPP-51.1-012925	24	1.12	8.75	9.87	9.44	95.1	
Q1233-01	WIPE-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1233-02	WIPE-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q1235-01	JPP-51.2-012925	27	1.15	8.60	9.75	8.99	91.2	
Q1235-03	JPP-51.2-012925	28	1.15	8.51	9.66	8.96	91.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 01/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134481

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
Q1235-05	JPP-16.1-012925	29	1.15	8.75	9.9	8.94	89.0	
Q1235-07	JPP-16.1-012925	30	1.12	8.77	9.89	8.94	89.2	
Q1237-01	HL6PX1	31	1.16	8.53	9.69	9.27	95.1	
Q1237-02	HL6PX2	32	1.16	8.70	9.86	9.28	93.3	
Q1237-03	HL6PX3	33	1.15	8.82	9.97	9.27	92.1	
Q1237-04	HL6PX4	34	1.15	8.78	9.93	9.43	94.3	
Q1237-05	HL6PX5	35	1.17	8.54	9.71	9.33	95.6	
Q1237-06	HL6PX6	36	1.17	8.57	9.74	9.07	92.2	
Q1239-01	286	37	1.14	8.49	9.63	8.68	88.8	
Q1239-04	348	38	1.14	8.83	9.97	9.00	89.0	
Q1239-07	RBR22266	39	1.17	8.74	9.91	9.00	89.6	
Q1239-10	357	40	1.16	8.80	9.96	8.62	84.8	
Q1240-01	MEG-OIL	41	1.00	1.00	2.00	2.00	100.0	oil sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

13448)

WorkList Name : %1-013025

WorkList ID : 187270

Department : Wet-Chemistry

Date : 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1215-01	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-03	JPP-29.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-05	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1215-07	JPP-29.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-01	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-03	JPP-18.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-05	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-07	JPP-21.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-09	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-11	JPP-21.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-13	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-15	JPP-26.1-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-17	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1216-19	JPP-26.2-012825	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-01	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/28/2025	Chemtech -SO
Q1232-03	JPP-46.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-05	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-07	JPP-46.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-09	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-11	JPP-42.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-13	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO

Date/Time 01/30/25 15:20

Raw Sample Received by: 50 WCI

Raw Sample Relinquished by: 45M

Date/Time 01/30/25

Raw Sample Received by: CF 282

Raw Sample Relinquished by: 20 WCI

WORKLIST(Hardcopy Internal Chain)

81481

WorkList Name : %1-013025

WorkList ID : 187270

Department : Wet-Chemistry

Date : 01-30-2025 07:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-15	JPP-42.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-17	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1232-19	JPP-51.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1233-01	WIPE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1233-02	WIPE-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO
Q1235-01	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-03	JPP-51.2-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-05	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1235-07	JPP-16.1-012925	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/29/2025	Chemtech -SO
Q1237-01	HL6PX1	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-02	HL6PX2	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-03	HL6PX3	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-04	HL6PX4	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-05	HL6PX5	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1237-06	HL6PX6	Solid	Percent Solids	Cool 4 deg C	GENV01	N31	01/30/2025	Chemtech -SO
Q1239-01	286	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-04	348	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-07	RBR22266	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1239-10	357	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/30/2025	Chemtech -SO
Q1240-01	MEG-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/30/2025	Chemtech -SO

Date/Time 01/30/25 15:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 01/30/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 01/31/2025

Extraction Start Time : 10:20

Extraction End Date : 01/31/2025

Extraction End Time : 13:20

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3874
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.,

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/31/25	RP (Est 12h)	RC/svac
13:25	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/31/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166418BL	SBLK418	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U4-1
PB166418BS	SLCS418	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1232-03	JPP-46.2-012925	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	C		3
Q1232-07	JPP-46.1-012925	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	C		4
Q1232-11	JPP-42.1-012925	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	C		5
Q1232-15	JPP-42.2-012925	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	C		6
Q1232-19	JPP-51.1-012925	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C		U2-1
Q1235-03	JPP-51.2-012925	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	C		2
Q1235-07	JPP-16.1-012925	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	C		3
Q1239-01	286	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		4
Q1239-04	348	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	C		5
Q1239-07	RBR22266	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		6
Q1239-10	357	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	C		U5-1
Q1239-10MS	357MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		2
Q1239-10MS D	357MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	C		3
Q1241-03	JPP-3.5-013025	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	C		4
Q1241-07	JPP-5.3-013025	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	C		5
Q1241-11	JPP-5.2-013025	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	C		6
Q1241-15	JPP-5.4-013025	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	C		U6-1
Q1241-19	JPP-51.4-013025	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	C		2
Q1242-03	JPP-6.2-013025	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	C		3
Q1243-01	CL-01-01302025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	C		4
Q1244-01	EO-02-01302025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	C		5

* Extracts relinquished on the same date as received.

P
1/31/25

16110101

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1244 WorkList ID : 187333 Department : Extraction Date : 01-31-2025 08:18:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1232-03	JPP-46.2-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-07	JPP-46.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-11	JPP-42.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-15	JPP-42.2-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1232-19	JPP-51.1-012925	Solid	SVOC-TCL BNA -20		RUTW01	E11	01/29/2025	8270E
Q1235-03	JPP-51.2-012925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/29/2025	8270E
Q1235-07	JPP-16.1-012925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/29/2025	8270E
Q1239-01	286	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-04	348	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-07	RBR22266	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1239-10	357	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/30/2025	8270E
Q1241-03	JPP-3.5-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-07	JPP-5.3-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-11	JPP-5.2-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-15	JPP-5.4-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1241-19	JPP-51.4-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1242-03	JPP-6.2-013025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/30/2025	8270E
Q1243-01	CL-01-01302025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N41	01/30/2025	8270E
Q1244-01	EO-02-01302025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N51	01/30/2025	8270E

Date/Time 01/31/25 10:15
Raw Sample Received by: RJ (Ext 104) NO Sm

Date/Time 01/31/25 10:35
Raw Sample Received by: CP Sm
Raw Sample Relinquished by: RJ (Ext 104)



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **Q1235**
QUOTE NO.
COC Number **2041689**

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **RU2 Engineering LLC**
ADDRESS: **2 Melinda Drive**
Monroe Twp, NJ 08831
CITY: _____ ZIP: _____
ATTENTION: **Rutu Manani**
PHONE: **609-409-4564** FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: **SANDTWOBR BMLR Project**
PROJECT NO.: _____ LOCATION: **Brooklyn, NYC**
PROJECT MANAGER: **Rutu Manani**
e-mail: **Rmanani@RU2eng.com**
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

BILL TO: **Same as company address** PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX (RUSH) **Standard 10 days** DAYS*
HARDCOPY (DATA PACKAGE): **Standard 10 days** DAYS*
EDD: **Standard 10 days** DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☒ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

7 **TCL VOL + TICS**
2 **TCLP VOCs**
3 **TPH**
4 **GRO-DRO**
5 **TCL SVOLs + TICS**
6 **TAL Metals**
7 **Pesticides, PCBs**
8 **ACRA Character**
9 **Paint filter**
full **TCLP**

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-IO C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	JPP-51.2-012925	Soil		G	1/29/25	14:50	3	X	X	X							
2.	JPP-51.2-012925	Soil	L		1/29/25	15:00	8			X	X	X	X	X	X	X	
3.	JPP-16.1-012925	Soil		G	1/29/25	15:59	3	X	X	X							
4.	JPP-16.1-012925	Soil	L		1/29/25	16:00	8			X	X	X	X	X	X	X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. RA	DATE/TIME: 1/30/2025	RECEIVED BY: [Signature] 1095 1-30-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY:	Comments: Preserve extra Sample Jar if additional analysis is Required.
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1/30/25	RECEIVED BY:	Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1235 RUTW01

Client Name : RU2 Engineering, LLC

Client Contact : Rutu Manani

Invoice Name : RU2 Engineering, LLC

Invoice Contact : Rutu Manani

Order Date : 1/30/2025 12:15:00 PM

YG

Project Mgr :

Project Name : ~~SANTWOB- BMCR Bro~~

02/04/25

Report Type : NYS ASP B

NYCDDC SANTWOB Brooklyn Bridge BBMCR

Receive Date Time : 1/30/2025 11:52:00 AM

EDD Type : Excel NY

Purchase Order :

Hard Copy Date :

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1235-01	JPP-51.2-012925	Solid	01/29/2025	14:50					
					VOCMS Group1		8260D	10 Bus. Days	
Q1235-05	JPP-16.1-012925	Solid	01/29/2025	15:54					
					VOCMS Group1		8260D	10 Bus. Days	

Relinquished By :

Date / Time :


1/30/25 1300

Received By :

Date / Time :


1-30-25 13:00

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1235	RUTW01	Order Date : 1/30/2025 12:15:00 PM	YG	Project Mgr :
Client Name : RU2 Engineering, LLC		Project Name : ~~SANTWOBR-BMCR Bro~~ 02/04/25		Report Type : NYS ASP B
Client Contact : Rutu Manani		Receive Date Time : 1/30/2025 11:52:00 AM	NYCDDC SANTWOBR Brooklyn Bridge	EDD Type : Excel NY
Invoice Name : RU2 Engineering, LLC		Purchase Order :		Hard Copy Date :
Invoice Contact : Rutu Manani				Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1235-01	JPP-51.2-012925	Solid	01/29/2025	14:50					
					Gasoline Range Organics		8015D	10 Bus. Days	
Q1235-05	JPP-16.1-012925	Solid	01/29/2025	15:54					
					Gasoline Range Organics		8015D	10 Bus. Days	

Relinquished By :

Date / Time : 1/30/25 1300

Received By :

Date / Time :

1-30-25 13:00

Storage Area : VOA Refridgerator Room